Annual Review 2016
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2016 in Numbers

- New corporate members: 80
- Attendees at our events and seminars: 1,010
- Companies supported: 47
- New roles created: 5
- Countries visited: 3
- Number of website visitors: 1.7 million
- Number of new microsites: 2
Member Benefits

For over 80 years the British Plastics Federation (BPF) has been the leading voice for the UK plastics industry. The BPF represents over 550 members from across the plastics industry supply chain including polymer producers and suppliers, additive manufacturers, plastics processors, recyclers, services providers, end users and machinery manufacturers.

10 Membership Benefits

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**Lobbying and representation**
As one of the largest sector-specific trade associations in the UK, with over 30 staff and more than 550 members, the BPF represents 80% of the UK plastics industry by turnover, and wields influence at all levels, from standards making to overall policy.

**Exclusive peer to peer networking opportunities**
Exclusive networking opportunities with decision makers across the supply chain.

**Sales leads direct to your inbox**
Around 1000 sales leads per year via our website, as well as 100s of leads from national and foreign shows.

**Comprehensive grant finding service**
A database of 8,000+ regional, national and European-wide grants, loans and other hard-to-find programmes, updated in real time by a research team.

**Legislative guidance, member updates and technical advice**
Group executives provide updates on issues, legislative changes and new reports. Fortnightly newsletter provides news, events and relevant initiatives. Access to industry specialists who answer questions and signpost to relevant information, as well as access to hundreds of presentations from BPF seminars.

**Access to plastics market intelligence, giving you a competitive advantage**
Database on the global plastics market including information on polymer consumption in the top 80 countries, downloadable lists of plastic trade magazines, exhibitions and associations and access to 100s of plastics agents and distributors around the world.

**Free legal advice**
A dedicated phone line to a team of lawyers giving free legal advice on issues such as Tax, VAT, PAYE, Payroll, Employment and Personnel, Health and Safety and Commercial Legislation.

**Raise your company’s profile**
A platform for your products and services, as well as a channel for your press releases, announcements and articles. Feature preferentially in the industry directory. With 1.7 million page views a year and nearly 10,000 followers on social media, the BPF commands a huge online audience.

**BPF Members’ Directory**
Feature in the Members’ Directory with over 4,000 copies distributed around the world every year, and viewed online over 3,500 times.

**Member discounts**
Savings on numerous products and services, including a 58% discount on fees for the Climate Change Agreement, 50% discount on BPF website banners, discounts on services offered by Business Support Network members, discounts on BPF seminars and third party exhibitions as well as world leading international shows.
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President’s Report

As my second year as president of the British Plastics Federation (BPF) draws to a close, it is hard to ignore a political backdrop that has created an unpredictable and uncertain business environment. However, by maintaining its focus, I am really pleased to see that the BPF has forged ahead and increased its influence through greater membership numbers, wider membership benefits and an investment in new staff and resources.

The year was dominated by the outcome of June’s referendum on EU membership. Whilst the outcome has polarised opinion, I firmly believe that we must all look for and embrace the opportunities. Indeed, as the positive mood of the industry expressed in our Business Conditions Survey of February 2017 indicates, this is an attitude shared by many firms in the sector. The role of a well-respected trade association is vital and the BPF was quick to act to the challenge and it rapidly formed a Brexit Committee, which has carried out invaluable work. I am grateful to Mike Boswell, a past president of the BPF, for agreeing to chair it.

The Brexit Committee helped define the industry’s priorities in the upcoming negotiations with the EU, leading to the publication of Securing the Future, which made the complex demands of our industry brief and palatable for journalists and, above all, MPs. Members were then asked to contact their local MPs to make them more aware of the importance of the plastics industry and its dominant concerns as we enter talks with the European Union. I congratulate all our member companies that have met this challenge and I urge those that have not yet had the opportunity to contact their local politicians. This will help ensure our industry’s interests are represented at the highest levels and it will help continue to establish the BPF itself as the focus of key information for our country’s decision makers.

BPF Council members were also given an opportunity to air their views on Brexit at an event that proved to be a highlight of my year: the annual meeting of the BPF Council with the Bank of England, which took place on 20 July 2016. We were joined by the bank’s leading experts, including the Bank of England’s Agent for Greater London Peter Andrews and Professor Martin Weale, a member of the bank’s Monetary Policy Committee. It was really important for the bank to hear first-hand from our business leaders about the performance of the sub-sectors of the plastics industry. It was a significant opportunity to influence senior members of the Bank of England and numerous Brexit-focused discussions ensued.

A week later, the BPF launched its strategy document The UK Plastics Industry: A Strategic Vision for Growth on 27 July at London’s Athenaeum Club. Prepared by the BPF itself, this invaluable document presents the views of the plastics industry on its own future and was produced following extensive consultation facilitated by Cambridge University’s Institute for Manufacturing. It identifies key areas of focus: addressing the reputation of the industry, improving its skills base, securing consistent supply of competitively priced feedstocks, improving sustainability within the industry, developing overseas markets, fostering innovation in energy-saving products and securing a greater level of cross collaboration within the diverse industry groups within the federation. The launch of this strategy chimed with the government’s desire to have an industrial strategy.
One important fact we have established from this work is the sheer size of our industry, further underlining the importance of plastics to the UK. The UK industry now has a combined turnover of £23bn and is a direct employer of 170,000 people, making plastics the second largest employer amongst UK manufacturing sectors.

Improving the reputation of the industry from the ground up and skills have been themes of my presidency. I am delighted to report on the full launch of the BPF’s Polymer Ambassador Programme and two initial training sessions have already been held for the benefit of our first round of volunteers. These volunteers will be visiting schoolchildren in various primary schools around the country, speaking to them and showing them specially designed polymer experiments from a custom kit that has been tried and tested at many schools throughout Europe. With the previous BPF Business Conditions Survey again highlighting the difficulties employers face recruiting technically skilled staff, instilling an interest in plastics for schoolchildren from a young age is a pressing need.

A key membership improvement during 2016 was the full incorporation of the Climate Change Agreement into the BPF structure. This has brought about significant cost savings for the membership and has allowed the BPF to exchange experience on best practice in energy efficiency to a much greater extent than before.

The primary opportunity to promote and celebrate our successes as an industry is, of course, the BPF Annual Dinner, which again enjoyed a record number of attendees. Journalist and broadcaster Julia Hartley-Brewer gave an entertaining speech featuring anecdotes involving many of her political associates. In addition, I had the opportunity of presenting the BPF Gold Medal for Outstanding Services to Jim Jeffries, a former BPF president and chairman of the BPF Additives Group, and Dr Chris Howick, chairman of the BPF’s Product Safety Committee. Both are thoroughly deserving winners and continue to be outstanding contributors to our industry.

Finally, I would like to thank the BPF’s honorary officers, the BPF Council, members and excellent staff collectively for supporting my term in office. Serving as BPF president has been a great honour and I do hope my successors find their time as president as rewarding as I have.
The British Plastics Federation (BPF) turned in a very strong 2016 with continuing membership growth, the further development of membership benefits, and a strong grip on key emerging issues.

The number of member firms grew by 80 and this included the former members of the Packaging and Films Association (PAFA), which joined the BPF in January 2016. The resulting Plastics and Flexible Packaging Group became firmly established over the course of the year under the guidance of Barry Turner, who joined us from PAFA at the beginning of the year.

This healthy increase in numbers is also partly due to our decision to apply a dedicated resource to membership development. Most sectors of the BPF have benefited from a growth in membership — but our expansion has been most noticeable in our Moulding Group, where we welcomed seven new members.

The second half of 2016 was dominated by the potential consequences of the referendum vote on EU membership. We responded immediately by creating the now well-established Brexit taskforce, chaired by Mike Boswell and made up of a representative selection of senior members, reflecting the whole breadth of the UK plastics industry, manufacturers as well as distributors. This allows us to rapidly consult an authoritative group of business leaders so that we can respond decisively to each turn of events whilst balancing the requirements of the industry as a whole.

As a first step, we polled the entire membership to identify the issues and opportunities. The resulting document, Securing the Future, highlighted the industry's desire to retain access to the single market, for continued access to skilled staff, for regulatory equivalence with the EU's legal framework, as well as for further government support for overseas business development and R&D. This enabled us to initiate dialogue with the Department for Business, Energy and Industrial Strategy (BEIS — formerly BIS); the Department for International Trade (DIT — formerly UKTI) and the Department for Exiting the European Union (DExEU).

Given the mounting media pressure on our industry, I carried out a review of our communications capability. As a result, we appointed to a new position — head of communications — Rob Mills, who is supported by our new marketing executive, Alex Harris. Rowena Schoo was appointed as industrial issues executive for the Plastics and Flexible Packaging Group, and we also welcomed Shirley Henry as a new part-time receptionist.

Key parts of our website, www.bpf.co.uk, have been updated and overall page views rose by almost 20%, exceeding 1.7m in 2016. We also saw an increase in coverage in national newspapers such as The Daily Mail and The Times. The BPF is increasingly recognised as the ‘go to’ place for the media on plastics-related issues.

Our recently created Sustainability Committee, chaired by Jason Leadbitter of Inovyn, secured a strong foothold in 2016 and is now grappling with fundamental issues such as the EU’s circular economy package, responses to the Ellen MacArthur Foundation report, The New Plastics Economy, and the growing issue of plastics in the ocean. I am pleased to say that Operation Clean Sweep, the BPF’s pellet loss prevention programme, has a greater proportion of the plastics industry signed up to it than any other equivalent national programme in Europe. It now covers 45% of materials processed in the UK.

We have met with great success in promoting the UK’s massive capabilities in plastics manufacturing to overseas markets and supported the export efforts...
of our individual member firms through our staging of BPF pavilions at Plastics and Rubber Vietnam 2016, Chinaplas 2016 and K 2016. This was supplemented by a strong presence in the UK at the Plastics Design and Moulding (PDM) event. A new endeavour was our participation in the international Plasticity event, held in London, which we sponsored. This brought us into significant contact with the UK’s design community on the issue of design for sustainability.

A further key achievement of 2016 was the full integration of the Climate Change Agreement (CCA) into our structure, reducing its costs — a benefit we were able to pass on to its BPF member participants. In its absorption, we also acquired two new members of staff and I was pleased to welcome its technical director, Peter Haslop, and Yolanda Starkie, CCA administration manager.

The BPF continued to play a leading role in EU-level trade associations for plastics. I continued as a board member of the European Plastics Converters Association and I thank its managing director, Alexandre Dangis, for the strong collaboration of his team on many issues. During the year we also benefitted from a very fruitful dialogue with Plastics Europe, which remains a strong partner of the BPF. We were very grateful for their generous donation of teaching kits for our Polymer Ambassador Scheme. Thanks go to the Executive Director of PlasticsEurope Karl-H. Foerster, North Regional Director Kim Christiansen, and Resource Efficiency Senior Manager Adrian Whyle.

We were able to publish The UK plastics industry: A strategic vision for growth after a long period of gestation — a document that will inform the BPF’s future development. We are grateful to BEIS for its support and to the Institute for Manufacturing (IfM) at the University of Cambridge for helping us professionally facilitate the major workshops. Building upon the recommendations made in the document, proposals were developed for a new Additive Manufacturing Group, which we will explore further in 2017.

Overall, both the substance and the image of the BPF has been upgraded. In 2017, we carried out a major refurbishment of the reception area of Bath House. Not only did this make one additional meeting room available to help us meet the growing demand for meeting space from our members and other stakeholders, it has introduced a truly contemporary ‘look’ to our ground floor that is consistent with a leading manufacturing industry of the 21st century. Staff expertise is a pre-requisite of the BPF’s success and in 2016 we began to formalise an executive development programme for our key executives, embracing more intensive training in polymer technology, handling the media and the economics of the plastics industry. We ask a lot of our staff, who are increasingly being called upon to respond at very short notice to rapidly changing situations. I am very grateful to each and every one of them for their dedication and support — and in particular Stephen Hunt and Darren Muir. I rely on both very heavily.

Finally, I would like to pay tribute to our retiring president, David Hall, CEO of the Polypipe Group. David has been a great pleasure to work with. He has brought his extremely wide business experience to bear with acutely intelligent observations on our key issues and he has been unfailingly available to advise, guide and stimulate our leadership groups, the Council and the Strategy and Finance Committee. Very many thanks to David.

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Over the course of the year, the BPF attracted 32 new members. In addition to this, 48 other companies became members due to the merger with PAFA, resulting in 80 new BPF members during the course of 2016 — certainly a record! The 32 new (non-PAFA) members came from all sectors of the plastic industry, which meant new members for 11 of our 19 different groups. Of the new members, the biggest increases were in the Moulding Group (with seven new members) and the Equipment Group (with six).

In 2016 the BPF also launched its ‘Lunch and Learn’ webinars. Over the year, it ran 14 webinars, with 175 attendees in total, with topics ranging from how to write a press release to navigating technical datasheets.

Polymer Ambassador Campaign

In December, the BPF, in conjunction with PlasticsEurope and STEM Learning, organised the first two training days for Polymer Ambassadors. Over the course of two days, 30 Polymer Ambassadors were trained and given tips and advice about how to engage with children. These Polymer Ambassadors were all given ‘Olly’s Cool Box of Plastics’ — a kit containing five experiments that show how different types of polymers have important features that are used in our everyday lives. These ambassadors will visit local schools to deliver the experiments and talk to young children about the crucial role plastics plays in society.

www.polymerambassadors.co.uk

Every Polymer Ambassador receives a kit, which contains five repeatable experiments

Future Polymer Ambassadors learning how to present the simple experiments to children
Plastics Industrial Strategy

In July 2016, after 18 months of work and a series of workshops and meetings with more than 40 BPF members and other stakeholders, the BPF launched The UK plastics industry: A strategic vision for growth. This ambitious document, produced in conjunction with the Department for Business, Energy & Industrial Strategy and with the support of Cambridge Institute for Manufacturing, identified seven key areas to promote growth within the plastics industry as well as highlighting key opportunities and challenges.

The seven areas highlighted were:

- Promoting the reputation of plastics and the plastics industry.
- Improving the industry’s skills base and its educational support.
- Securing consistent and competitive supplies of feedstock.
- Accelerating the sustainability of the plastics industry and its alignment with the circular economy.
- Spotlighting future markets for plastics products.
- Focus on overseas market development and encouragement of reshoring.
- Enhanced industry collaboration.

The document clearly lays out an action plan with 41 individual, clearly defined, actions highlighted. As of 31 December, 13 actions were completed, 16 were in progress and 12 had yet to be actioned.

The BPF will clearly monitor these actions over the course of 2017, with the aim of progressing as many of them as possible.

www.bpf.co.uk/strategy

Website Investment

The BPF’s website, believed to be the most visited website for plastics information in Europe, is a crucial shop window for BPF members and the UK plastics industry as a whole. The BPF continue to invest in the website with a series of new ‘microsites’ launched and updated, including Operation Clean Sweep and the BPF Plastics and Flexible Packaging Group. This investment has resulted in a 20% increase in page views over the course of 2016.

The BPF ANNUAL REVIEW 2016
The BPF continued to perform well in 2016 showing growth across most revenue streams building upon its solid foundations as well as decisions made in 2015. The BPF’s total income for 2016 grew to £2,421,096 as significant changes to the organisation’s revenue came into play. The management of the UK’s plastics sector Climate Change Agreement was brought ‘in-house’, enabling improvements in cost efficiency and an overall better service. We also welcomed the members of PAFA to the BPF and undertook the management of their Climate Change Agreement. These factors, as well as steady core growth, enabled the BPF to reach a new milestone, with 2016 being the first year that membership income has exceeded £1million. Events income was down by £209,274 as it did not benefit from the ‘one off’ ARMO conference of 2015 and the controlled withdrawal from EU-funded projects also continued throughout the year. Administrative expenses, at £2,387,410, rose by £102,532 over 2015, with investments in staff and infrastructure contributing to this rise, although all in all, a stable and controlled operating cost base was again the order of the day.

The financial outcome of 2016 reflects yet another satisfying result for the BPF, generating a surplus after tax of £20,398 (2015: £3,447) and a continued strengthening of the organisation’s balance sheet and reserves.

In summary, an exceptional year for the BPF, with increased revenues facilitating investment in both our core activities as well as infrastructure necessary to ensure we are well positioned for the future to continue to deliver additional value to the membership.

Financial security through the effective management of resources
The BPF continued to ensure the organisation remains financially secure in all areas through regular management reporting, monitoring of key financial metrics, and robust budgetary systems (setting, monitoring and control actions).

BPF House
The long-term programme of investment in BPF House continued with the refurbishment of the reception area. A contemporary look, as well as up-to-date security and entry systems, enhance our ‘shop window’ for both tenants and guests. Dead space at the side of the old reception area was converted to state-of-the-art meeting space available for either hire or internal use generating future funds for the Federation. We again enjoyed another year of fully tenanted occupation of BPF House and our much-valued long-term tenants, the Guild of Architectural Ironmongers (GAI), signed a new lease. The onward march of development in this most vibrant of London areas makes this a much sought after location and should ensure this healthy income stream is maintained.

Catering and meeting room hire income rose by an impressive 26.2% and our meeting room and catering facilities continued to yield high satisfaction ratings. Significant discounts are available to members, offering phenomenal value for a central London venue.

Finally, I am delighted to once again report that we maintained our 5-star rating after Hackney Council food inspectors assessed our catering and kitchen facilities.

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Finance Director
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The newly refurbished reception at BPF House
Informing and engaging with politicians

Continuing its lobbying work, the BPF met with several MPs, MEPs and civil servants throughout 2016. In particular, the BPF explained the benefits of plastics and the needs of the industry to influential individuals, including the former Environment Minister Rory Stewart MP, Mark Pawsey MP, John McNally MP and Clare Moody MEP, to name a few.

In the aftermath of Brexit, the BPF launched a political engagement campaign, providing information, guidance and assistance to enable members to engage with their local parliamentarians.

Regional presence

In order to increase its regional presence, the BPF pledged its commitment to the Northern Powerhouse, highlighting plastics as a key industry to help develop infrastructure and boost economic growth in the north of England.

Supported by the Welsh Government, the BPF also hosted its annual recycling event in Cardiff — learning that Wales is leading the recycling debate in the UK, with the plastics industry at the forefront of innovation in this area.

Similarly, the BPF started discussions with the Scottish Parliament, securing a date in early 2017 to host a Parliamentary Reception in Holyrood, with a focus on the positive contribution of plastics in a circular economy.

International engagement

To further develop our ties with other economies, the BPF not only organised British pavilions in international trade shows but also actively engaged with foreign regulators and governmental institutions. This included a meeting with the Governor of West Virginia, who visited BPF House in London to explore opportunities of working with our industry.

Waste, recycling and the circular economy

Along with PlasticsEurope, the BPF continued developing the Plastics Industry Recycling Action Plan (PIRAP), with the support of all 60 companies that have signed up to the initiative from across the supply chain. Working groups are being developed to explore potential improvements in areas such as bottle recycling, design for recyclability and end markets.

Land and marine litter

The BPF and other stakeholders have engaged with the national strategy on litter, which aims to tackle littering behaviour at a national level under central government’s leadership.

Marine litter continues to have significant visibility in the media, which has resulted in an increasing appetite for national and global initiatives dedicated to addressing the issue. Working in partnership with PlasticsEurope, the BPF has continued to engage with national campaign groups as part of the Marine Litter Action Network (MLAN), working together to find ways to reduce marine litter.

The BPF also gave oral evidence to the Government’s Environmental Audit Committee on microplastics and their effect on the environment, with the clear message that the industry does not want microbeads being used in cosmetic products.

EU proposal on the circular economy

The European Commission’s Circular Economy Package has been the focus of discussion at European and national level. The BPF has worked with Defra to support the spirit of the proposals and find solutions to the negative implications of the policies put forward. With this in mind, the BPF coordinated efforts with the European Forum for Manufacturing to host a circular economy workshop in London, where MEPs and participants from the European Commission had the opportunity to hear our concerns.

Chemicals in plastics

REACH continues to gather the attention of many of the BPF’s member firms and, for some, is now of critical business importance as the focus moves towards the evaluation and authorisation of chemicals identified as ‘Substances of Very High Concern’.

Some of the substances under scrutiny during 2016 have been TiO2, phthalates, Bisphenol A and DEHP. The BPF will continue its monitoring and lobbying work throughout 2017 and beyond to make sure the best outcome possible is reached in the discussions.
Brexit Taskforce

CHAIR
Mike Boswell
Plastirbution

Shortly after the result of the EU referendum, the BPF established a ‘Brexit Taskforce’, which is chaired by Mike Boswell, former BPF president and managing director of Plastirbution. Alongside Mike, the group consists of eight senior staff members from companies across the plastics industry. The group has been established to help steer the BPF through Brexit and influence the way the BPF is engaging with government officials. During 2016, the BPF met with various government departments including the Department for Business, Energy & Industrial Strategy (BEIS); the Department for Exiting the European Union (DExEU); the Department for Environment Food & Rural Affairs (DEFRA); the Department for International Trade (DIT) and the Government Communication Service.

In addition, it was agreed that at the start of 2017 representatives of DIT, DExEU and BEIS would attend a BPF Council meeting in order to hear first-hand from members their thoughts and concerns about future UK/EU negotiations. Over the course of 2017, it was also agreed that Brexit Taskforce meetings would be attended by various government officials with specific specialities to drill down further into the requirements of the industry.

In-person meetings were arranged with BPF members and representatives of BEIS to conduct in-depth interviews and site visits to gain further insight into the industry’s needs. A number of other surveys were also conducted, with information being fed back to government officials. These included economic performance, potential post-Brexit framework options for REACH and what the industry’s key priorities for Brexit negotiations were.

The priorities survey resulted in the publication of a document entitled Securing the Future: Priorities for the UK Plastics Industry in a New UK-EU Relationship.

This survey revealed that the top four industry requirements were:

- Free access to the single market.
- Access to skills (with an emphasis on apprentices, engineers and technicians).
- EU compatible legislation is retained and continues to be developed.
- Support for innovation and overseas business development.

Download
To download this document please visit www.bpf.co.uk/eu
In 2016, the BPF increased capacity within its communications team, partly in response to the growing attention plastics have been getting in the national press. This has enabled the organisation to be even more agile and responsive to media enquiries, which are received on a weekly basis.

In June, PRW published a list of the ‘70 Most Influential People in The UK Plastics Industry’. Reassuringly, the list not only featured three BPF staff members (Philip Law, Stephen Hunt and Barry Turner) but also included 25 members of the BPF (including eight members of the BPF Council). Shortly afterwards, the BPF released The UK Plastics Industry: A Strategic Vision for Growth. This document was released at a special event in London, which was attended by key players within trade press and the release of the document received good coverage.

Over the course of the year, the BPF released 41 press releases, covering topics too varied to mention. This activity resulted in over 370 items of coverage mentioning the BPF spread across online, print and broadcast outlets. The organisation also improved its ability to track both the coverage it receives and trends in the media related to key topics, such as marine litter or deposit return schemes, for example, by investing in media monitoring software.

This tool is invaluable and allows the BPF to easily monitor the news, so that it remains ‘on the pulse’ and in a position to respond to issues quicker and more easily than before.

In the final three months of 2016, for example, there were over 120 stories mentioning ‘marine litter’ (which inevitably cast plastics in a troubling light) across online news, printed news and broadcast outlets. Over the same period, the BPF was in communication with over 20 journalists from national news outlets alone, such as the BBC or the Times, either from direct enquiries or due to proactively contacting them on the back of a particular news story. Successes from these activities include having the BPF’s response to a negative Daily Mail story published in the hard copy of the newspaper on 7 October, as well as having its riposte to stories like ‘A Plastic Plague’ (again from the Daily Mail) added to the story.

The BPF will continue to develop relationships with key journalists and editors in an effort to ensure that the plastic industry’s voice is present in news items that, either directly or indirectly, impact the image of plastics. Awareness is high amongst journalists and editors that the BPF is available to represent the plastics industry on key topics and to provide legitimate facts and figures wherever possible.

With extra capacity in the communications team and an improved ability to monitor the media, the BPF is now in a better position than ever to confidently represent the industry and respond to the varied flurry of enquiries it receives every week.
In 2016, website traffic and social media followers went from strength to strength.

We have gained an extra 1,000 Twitter followers, as well as 400 LinkedIn followers, and doubled the likes on our Facebook page.

Our website, meanwhile, is one of the most popular websites for plastics in the world. In 2016, it received over 1.7 million page views — an astonishing number — thanks, in part, to our popular plastipedia.co.uk — our online plastics encyclopaedia.

Our messages, shared across social media, help us provide a much-needed voice of factual information in a climate clouded by misrepresentation.

We’ve spread #plasticsaves facts, directed teachers to PolymerZone to teach children about polymers, communicated live from trade fairs and seminars, promoted awards, updated members about our work with the government and upcoming regulatory changes, as well as shared news and events. Our online directory, with almost 400,000 page views alone throughout the year, grew in its popularity for people searching for plastics companies. We launched a new packaging site, new Operation Clean Sweep site, as well as an updated BPF Energy site and PolymerZone.co.uk.

Our top tweet of the year earned 3,500 impressions: “Our new #OperationCleanSweep website is up and running - helping to prevent pellet loss.”

Many tweets like it earned thousands of views, promoting important facts and projects to the public, as well as our members. If you haven’t already, please make sure you add us on Twitter (@TheBPF), and join us on our Facebook page and our LinkedIn groups.
BPF Groups

Central Expert Committees

- Sustainability
- Fire Safety
- Health & Safety
- Project Safety
- Skills & Education
UK one of the best in Europe. In addition, after many years of calling on government to implement a more consistent collection of household waste, it is pleasing to see good results achieved in Wales, where a consistent collection approach has been implemented. The Welsh approach of clear targets and targeted funding has resulted in Wales becoming the best in the UK. The recycling of plastic bottles in Wales is already reaching 75%, compared to just below 60% across the UK as a whole. We also passed another landmark in 2016 with plastic pots, tubs and trays now becoming widely recyclable.

During the year, two packaging seminars were held to brief members on a range of topics including the new circular economy package, food contact issues, the Climate Change Agreement (CCA), litter, new packaging strategies by major retailers, deposits and much more. Speakers included representatives from member companies, retailers, brands, other trade bodies, charities working on litter, compliance organisations and local councils.

Work was also undertaken to understand the impact of extended producer responsibility, deposit schemes in operation, and the application and use of biodegradable materials. Meetings held during the year included those with retailers, government officials in Westminster and in the devolved assemblies, the London Assembly, MPs, NGOs, other trade bodies representing other parts of the logistics chain and member companies.

2016 witnessed the first year of the new BPF Plastics and Flexible Packaging Group, comprising former Packaging and Film Association (PAFA) members and former rigid packaging members of the BPF. Now, for the first time, the BPF is able to count all forms of plastic and flexible packaging in our membership.

During the year, staff were strengthened by the addition of a new industrial issues executive, Rowena Schoo. Rowena, who joined in August 2016, is already proving to be a valuable addition to the team.

During 2016, we updated and improved our website content, adopted a new, more effective media monitoring service, and the BPF employed a new head of communications, Rob Mills. This should place the group in a better position to ensure its voice is heard in mainstream media and press when required.

Packaging continues to attract a lot of attention because of the presence of plastics in litter on our streets and in our oceans. This quite often leads to people calling for a reduction of plastic packaging, although this does not tackle the real issues that led to the plastic being incorrectly discarded in the first place. For this reason, the group has engaged with the government to ensure that a comprehensive strategy to tackle littering is developed for England. In addition, the group is also engaged with Hubbub, a charitable organisation that undertakes innovative new ways to tackle littering. We have supported interventions in one of the busiest streets in London and in 2017 we will be supporting similar projects focused around the river Thames to cut littering that arises from major events held in London, including the London Marathon and The Boat Race.

The recyclability and recycling of plastics is another area that is often criticised. However, good progress was made in 2016, with the recycling rate for all plastic packaging climbing to 45%, making the UK one of the best in Europe. In addition, after many years of calling on government to implement a more consistent collection of household waste, it is pleasing to see good results achieved in Wales, where a consistent collection approach has been implemented. The Welsh approach of clear targets and targeted funding has resulted in Wales becoming the best in the UK. The recycling of plastic bottles in Wales is already reaching 75%, compared to just below 60% across the UK as a whole. We also passed another landmark in 2016 with plastic pots, tubs and trays now becoming widely recyclable.

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The Recycling Group is made up of key members of the plastic recycling industry who are successfully recycling a wide range of plastics, from plastic packaging to electrical, automotive and construction items. The group continues to represent its members and engage with a wide range of stakeholders including DEFRA, Ellen MacArthur Foundation and Plastics Recycling Europe.

The Circular Economy Package was released at the end of 2015 and member state negotiations on this are continuing. The group has been represented at a number of circular economy events including an event organised by the Forum of Manufacturing, which was sponsored by the BPF and took place at the Design Council. This was attended by the European Commission and a member of the European Parliament.

The group joined with the Moulders Group to hold the first ‘Meet the Recycler’ event. This was a great success with nearly 40 attendees. This gave the recyclers the opportunity to showcase their material to moulders and promote the benefits of using recycled content. The event was held at member firm Clean Tech’s recycling facility, allowing members of the moulding group to see first-hand the plastic recycling process.

This year’s recycling seminar, ‘Plastics Recycling – Pioneering Ideas and Regional Views’, took place in Wales and was well attended. The event focused on presenting projects from Wales as well as providing an opportunity to engage with the Welsh Government. During the seminar there were also presentations from all the regions in the UK and the attendees could explore their different approaches to recycling.

The group’s rigid (non-packaging) working group has focused on how to engage with designers and create a ‘pull’ for recycled content. They have produced an article called Recycled plastics: the eco-savvy product designer’s choice, which includes a range of case studies providing examples of products containing recycled material. Similarly, the films working group has continued to focus on the potential detrimental effects that oxodegradable and biodegradable materials could have if they find their way into the recycling stream and provided detailed information for a European Commission report on oxodegradables.

The former resource minister, Rory Stewart, commissioned work to examine how to move England towards a more consistent recycling service. The Recycling Group has been engaged in working groups as part of this, looking at design alterations needed to improve the recyclability of packaging as well as the infrastructure needed. The group also fed into WRAP’s ‘Recycling Guidelines’, which provide clear information to the public about how to present their material for recycling.

The group has been preparing its latest strategy document, which presents proposals it feels will have a positive impact on recycling in the UK. This will be released in 2017 and the group will be using it to help create positive change and to lobby government on the key areas identified. As part of the new strategy, the Recycling Group will be taking greater responsibility for the Plastics Industry Recycling Action Plan (PIRAP). PIRAP works with the whole value chain to help increase plastic packaging recycling. With the support of the Recycling Group, PIRAP is developing working groups to examine barriers to plastic recycling and how this can be overcome. Through PIRAP, the Recycling Group will be able to engage more widely with the value chain.

Shredded PVC windows ready to be recycled

Recycled plastic decking being used for a roof terrace in Leeds – photo Courtesy of JB Landscapes
At the core of its activities, the BPF Pipes Group is dedicated to promoting the development, acceptance and usage of manufactured plastic piping systems at all levels in the building, construction, civil and utilities industries.

Plastic piping systems cover a wide range of sizes, applications and materials and are widely used within the building services as well as the civil and utilities industries. Improvements in manufacturing and installation technology, expertise and costs, flexibility, longevity, noise and heat insulation properties, good safety record and adherence to published standards have resulted in an increased market share within these areas.

The group is managed by a council comprising senior representatives from member companies. A president and vice president are elected from the group council for a period of two years. The group employs a director to undertake day-to-day management. Three ‘application’ groups cover all areas of interest: Civils/Utilities, Building Services and Regulatory Affairs, and Sustainability. Chairmen of the application groups are appointed from among the members by the council.

Derek Muckle of Radius Systems was appointed Group President at the end of 2016, taking over from retiring President Chris King of Wavin. Derek is keen to get started in his new role, commenting: “The BPF Pipes Group has a tremendous record in developing and raising standards in the utilities and construction industries, and I want to see more recognition for the work done highlighting and sharing best practice knowledge on plastic pipes in all of these areas, from large and small diameter utility applications to above and below ground heating, plumbing and stormwater alleviation. Sharing knowledge with a broad range of end users and those at the cutting edge will help speed up the adoption of new innovations.”

Work continued in 2016 for the group to expand its activities from those of largely technical and regulatory issues to promoting the group and the benefits of plastics piping systems. A PR agency was appointed to assist in producing press articles and supporting promotional material.

2016 has been another busy year for the group. In addition to its ongoing work and increased promotional work, two sub-groups have been set up to look at test procedures for pipes for use in recirculating systems and to produce guidance on district heating systems. During 2016, guidance notes were issued to the industry covering specifications for PVC pipe and fittings for water supply, drainage and sewerage under pressure and quality assurance with electrofusion; and specifications for polyethylene pipe and fittings for water supply, drainage and sewerage under pressure.

The group hosted two joint workshops in 2016. The first, in June, was a joint workshop with BSI to look at current activity in the standards arena for non-pressure plastic piping systems and their impact on UK industry. The second workshop in November, regarding polyethylene pipe fusion jointing, was organised jointly by the BPF and Water UK. It was a great success, with attendees from all areas of the water industry supply chain.

In 2017, the BPF Pipes Group will continue to work closely with industry regulators, testing bodies and related trade bodies and associations, to ensure our voices are heard and to be a voice for plastic piping systems in the wider industry.
Vinyls Group

**CHAIR**
Roger Mottram
INOVYN ChlorVinyls

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**Key achievements**
- Record number of RecoMed hospitals.
- Sponsoring and speaking at Plasticity design event.
- RecoMed video launched, promoting the scheme.

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The BPF Vinyls Group includes representatives from various PVC producers, converters, additives suppliers and recyclers who work together to promote the positive contribution PVC makes to everyday life.

In 2016, the group continued to build its communication platform. With the close of the VinylPlus funded procurement project, addressing de-selection and negative views of PVC products, the group continued to contact local authorities and housing associations, resulting in a change to the de-selection of PVC material by Islington Council. Furthermore, the group increased contact with other industries, particularly those involved in product design, through sponsorship of the plastics design event, Plasticity 2016.

At this event, the group increased the vinyl industry’s awareness amongst design communities with chairman Roger Mottram delivering a presentation.

These efforts were bolstered through meetings with both the Design Council and the British Industrial Design Council.

The group’s flagship VinylPlus technical project, RecoMed (a PVC medical waste recycling scheme), grew in strength during 2016. Continuing the partnership with Axion Consulting, a record number of hospitals implemented the scheme, including university hospital training facilities. 1.4 tonnes of medical PVC waste were collected in 2016. The aims for 2017 are to establish backhaul and bulking points at major hospitals, open RecoMed up to other avenues (e.g. veterinary clinics) and look at the feasibility of transferring the project to other European countries. This project supports the VinylPlus voluntary commitment to recycle 800,000 tonnes of PVC per year by 2020 (in Europe), and serves to highlight possible avenues for increased recycling and best practice. Currently the recyclate is used for tree ties and the project coordinators will continue to look for other viable, high value recycling outputs for the material. A video describing and promoting the scheme was launched in 2016 and is available at www.bpf.co.uk/recomed.

Regulatory issues continued to play a large part in 2016. Following on from the authorisation for recycling of DEHP-containing PVC material, the European Commission revised its initial length of authorisation, with implications for the industry sector. Restrictions on the use of lead stabilisers and phthalates also impacted the industry, but positives were drawn from the EU-wide phase out of lead in products made from virgin PVC resin by European converters for 2016. Moreover, the RecoVinyl recycling figures will be due out later this year and should again serve to show the industry sector’s continued commitment to the responsible recycling and reuse of material.

2017 will see the group continue its communication campaigns, with a new project ‘Designing in a Circular Economy Using PVC’ (partly funded by VinylPlus) being scheduled for the year. RecoMed will continue and the group will keep raising awareness of the benefits of PVC products, their environmental improvements and the VinylPlus voluntary target for PVC recycling. Regulatory issues will also continue to remain an important topic for 2017, including the REACH 2018 registration deadline and the implications for the industry sector.

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The RecoMed project provided a key vision of the circular economy opportunities with vinyl.
BPF Groups

Polymer Distributors & Compounders Group

CHAIR
Mike Boswell
Plastribution

Key achievements

- Continued sponsorship of Polymer Study Tours.
- Increasing support for Operation Clean Sweep.

The Polymer Distributors & Compounders Group provides an authoritative platform for the raw materials sector of the industry, helping address key issues and also analysing important market data.

Following on from the oil price and feedstock issues of 2015, 2016 saw the group hit with further uncertainty surrounding the vote to leave the European Union. Looking at the industry’s trade with the EU, Brexit might present challenges around polymer supply and raw material prices. However, with the group’s chairman also heading up the Brexit Taskforce Committee, they continued to address issues around our exit, helping the BPF to formulate key opinions from a regulatory and economic perspective, including the issue of transposing certain regulatory legislation to ensure continued protection for the environment. During 2017, the group will also look at ensuring continued trade with the EU is made both possible and feasible, ideally through tariff-free transactions.

The group also continued its support for the Polymer Study Tours, which were well attended for 2016. These tours, amongst other BPF educational initiatives, serve to help attract future talent to the industry through the education of teachers about the industry. Operation Clean Sweep, a voluntary commitment aimed at tackling raw material loss into the ocean was also largely supported by the group, showing its sustainability commitments.

Finally, the group continued focusing on analytics on raw materials and fraud. Through participation in an Experian credit circle, the group increased their vigilance within the distributor market, whilst the annual group survey helped the sector to better understand trends within the market.

Polymer Suppliers Group

The Polymer Suppliers Group consists of an alliance of companies with a substantial interest in all issues affecting the plastics supply chain. Members participate in various elements of BPF activity, including the Federation’s central committees and business groups.

Constant monitoring of legislative developments is a key priority of the group, namely REACH regulatory issues regarding chemical additives. Furthermore, the REACH 2018 registration deadline and the UK apprenticeship levy both had implications for the group in 2016. Brexit was also a key focus and the group is represented within the BPF’s Brexit Taskforce, who continue to highlight priorities for the BPF at government level on issues regarding Brexit.

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Fraud and feedstock prices kept the Group busy during 2016
Masterbatch & Technical Compounds Group

CHAIR
Russell Livesey
Colloids

Key achievements
- Increased focus on regulatory issues surrounding Brexit.
- Increased awareness of the REACH 2018 registration deadline.

The Masterbatch & Technical Compounds Group continues to provide a strong platform for UK colour and additives masterbatch manufacturers and suppliers to promote the role of colour in plastic products.

2016 proved an important year for the group, which saw an increase in focus on regulatory issues, both current and future. The REACH 2018 deadline for registration of chemicals continues to be a pressing issue, owing particularly to the backlog at testing facilities of chemicals, thereby narrowing the window in which work can begin. 2017 will continue to see focus on this issue to highlight it to the wider masterbatch and compounding industry.

Furthermore, the decision to leave the European Union has provided further uncertainty around the future regulatory landscape for the UK. The Masterbatch & Technical Compounds Group, aiding the BPF position, has focused on this issue of trade and regulation post-Brexit, as well as keeping abreast of various developments on the issue. Due to its position as a manufacturer, the apprentice levy being implemented by the government also had implications for the sector, which again saw focus on the issue. Furthermore, support for Operation Clean Sweep and its efforts to reduce raw material loss increased in 2016, as sustainability issues continue to be a consideration for the plastics industry.

Finally, the group continued its relationship with the Additives Suppliers Group, holding a joint meeting during the PDM trade show in the summer of 2016. Here, coherent focus in regards to chemical issues were recognised and addressed, helping to shape the focus of the group for 2017.

Additive Suppliers Group

CHAIR
Steve Quinn
West & Senior

Key achievements
- Key input to the BPF vision of a post-Brexit regulatory landscape.
- Increased representation at National and European level for regulatory issues.
- Important input into specific chemical issues and consultations.

The BPF Additive Suppliers Group continues to provide a unique platform to promote the essential function and importance of additives in plastics products.

2016 saw Steve Quinn of West & Senior take over as chairman of the group from Jim Jeffries, who stepped down preceding his retirement later in the year. With Steve at the helm, the group continued in its capacity to address key regulatory issues. Following the Brexit vote, increased uncertainty about EU regulation called for input and focus from the group that, as a chemicals supplying sector, had a large vested interest in the matter. Issues including the transposition of REACH, future of UK chemicals regulation and existing regulations and directives led the group to provide key assistance to aid the BPF in its discussions with government departments on considerations for a post-Brexit landscape.

The group also continued to focus on current regulatory issues, including changes in the status of certain additives and tightened regulations in regards to certain chemicals and their supply. This includes the ongoing issue of legacy additives in certain plastics, as well as the uncertainty around the proposed reclassification of TiO2, a proposal that would have far-reaching consequences for both the additives sector and other industries.

2016 also saw the group continue its interaction with other BPF groups, namely the Masterbatch & Technical Compounds Group. Together they have worked on strategies for increasing the skilled worker force within the industry sector and looked at key topics for their industry sectors to tackle over 2016 and in 2017.
Moulders and Specialist Processors Group

Key achievements
- Hosted first edition of Meet the Recyclers event.
- Organised first factory tour at Amaray’s site in Corby.
- Seven new members.

The BPF Moulding and Specialist Processors Group represents the interests of companies involved in injection moulding, specialist processing and technical blow moulding. The group works to provide a springboard for collaborative initiatives that support the evolution of the UK moulding industry and steer new business to member companies.

Rotational Moulding Group

CHAIR
Philip Maddox
Leafield Environmental

Key achievements
- Hosted a fully booked H&S seminar.
- Rotational Moulding H&S guidance finalised and now awaiting HSE approval.

The BPF Rotational Moulding Group represents and promotes the interests of all those involved in the rotational moulding process — moulders, material suppliers, machinery and ancillary equipment manufacturers and service providers.

In May 2016, the group organised its fourth annual Rotational Moulding seminar in Northampton. The topic of the seminar was health and safety and it was the culmination of a concerted, two-year effort to raise awareness of health and safety issues facing the sector.

The event was a roaring success, with over 90 attendees from 40 companies, representing half the rotational moulding industry in the UK.

During 2016, the group continued to play a leading role worldwide by producing a H&S guidance document, written in collaboration with the HSE. The guidance is the very first document to tackle health and safety issues in the rotational moulding industry and to provide a list of what to assess and what to look for when a rotational moulder is carrying out risk assessment. The text is currently under examination by the HSE and will then enter the final stage of approval. It should be ready for publication in the first half of 2017.

As a member of ARMO, the group also started working on a marketing campaign that should help the whole industry to raise its profile.

As part of this strategy, seven new case studies showing excellence in the sector were produced over the course of 2016 and shared on all BPF channels, including LinkedIn, where the BPF Rotational Moulding Group has over 800 followers.

2017 will be another challenging year for the group, with lots of opportunities for members. A few projects are already on the way including a BPF Rotational Moulding Group H&S Award and the production of a guide to promote the advantages of using rotational moulding technology to the design world.
Brightwell's Expanded Polystyrene Group

CHAIR

David Emes

BASF

Key achievements

- Development of a strategy to tackle key industry issues and engage with government.
- Collection of data for developing a sustainable fishbox waste collection scheme.
- Delivery of new NBBA website.

The BPF Expanded Polystyrene (EPS) Group represents the UK industry leaders in EPS since its establishment in 2009. The group now consists of the EPS manufacturers of shape moulded products and the National Blown Bead Association (NBBA) sub-group. NBBA represents the approved system holders and suppliers of EPS blown bead for cavity wall insulation and provides authoritative and reliable information about the performance of the material.

In 2016, the EPS Group continued to play the leading role in the UK by running various communication projects to support the industry under its new ‘Airpop’ brand. The aim of such projects is to promote a better public understanding about the advantages of EPS (Airpop) by providing factual information to local authorities and environmental professionals.

NBBA members successfully developed a strategy to tackle industry issues and work with third-party accreditation agencies and government officials within BEIS. NBBA has now become a member of the National Home Improvement Council (NHIC) and looks forward to continuing working with it throughout 2017.

At a European level, the EPS Group had another successful year running a Fishbox Competency Centre in partnership with EUMEPS (European Manufacturers of EPS). As part of this project, the group collected reliable data from various sectors of the fish industry (e.g. fish farmers, distribution depots, recyclers, etc.) to develop a sustainable fishbox waste collection scheme. This information was presented to the interested parties in the EUMEPS meeting, held in Windsor in May 2016.

Composites Group

CHAIR

Lee Forbes

Forbes Group

Key achievement

- Thermoplastic Composites Seminar focused on transport applications.

The BPF Composites Group safeguards and boosts the image of composites and the composites industry by participating, through the BPF, in trade shows such as PDM, K, Engineering Design and Advanced Engineering Show.

A seminar on Thermoplastic Composites was held in October 2016 arguing the case for using thermoplastics in different modes of transport – from cars to underground trains – as well as providing industry case studies on topics including the use of a honeycomb sandwich preform and the development of a closed-loop recycling method for highly aligned short carbon fibre thermoplastic composites.

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The new-look NBBA website
BPF Groups

Windows Group

CHAIR
Martin Althorpe
Epwin Group

Key achievements
- Positive progress developing a standard Product Data Template.
- Promotion of PVC as a sustainable material in conjunction with the European PVC Window Profile and Related Building Products Association.
- Webinar held promoting the sustainability of PVC.

The BPF Windows Group (BPFWG) represents the interests of the entire UK PVC-U windows supply chain, including window system companies, raw material suppliers, additive suppliers, fabricators and installers. The group’s mission is to position itself as the leading body in the windows market.

In 2016, the group continued to coordinate its members’ response to the issues facing the sector whilst promoting the advantages of using PVC-U as the preferred sustainable material for windows. The group participated in various workshops to work on Building Information Modelling (BIM) for windows. The ultimate aim was to generate a standard Product Data Template (PDT) that the sector can use as a basis for individual Product Data Sheets. The group is liaising with other trade associations to provide input into draft PDTs, which will be submitted to the wider group for comment and/or approval in 2017.

At a European level, 2016 was another successful year for BPFWG and EPPA (European PVC Window Profile and Related Building Products Association), which worked together on a communication project to promote PVC as the sustainable material of choice for windows to architects, specifiers and installers. The project, funded by VinylPlus, included a number of activities such as participation at the Advanced Engineering Show and the UK Construction Week in Birmingham. Furthermore, the group organised and performed a webinar in November 2016 for specifiers and installers to promote PVC’s sustainability credentials and provided attendees with effective marketing tools to inform their customers’ views. 2017 will be another challenging year for BPFWG, with lots of opportunities to work even more closely with EPPA and the Construction Division of the European Plastics Converters (EuPC) to support the industry when it comes to challenges involving legislation, the environment, consumer and ethical demands.

Cellular PVC-U Group

CHAIR
Dave Osborne
Swish Building Products

The Cellular PVC Group is a dedicated body to address the technical issues linked to the production of PVC-U roofline and cladding products by influencing both British and European standards. It has close links with the likes of BSI and BBA, as well as the equivalent European Trade Associations.

In 2016, the group welcomed a new member, General All Purpose Plastics (G.A.P), a well-established manufacturer and distributor of high quality PVC-U building products, with a network of over 40 depots in the UK.

In 2017, the group will continue to maintain the high quality industry standards by updating its existing Code of Practice.

Sheet and Coated Fabrics Group

The Sheet and Coated Fabrics Group represents the interests of manufacturers of plastic products ranging from resilient flooring and furniture to building components. Members of this group cooperate to maintain the high standards of the sector.

The group had a successful year in 2016 by positively responding to the environmental issues of the industry alongside its fellow members of the BPF Vinlys Group. Under the European ‘Recofloor’ scheme, group members collected more than 500 tonnes of PVC flooring in 2016 and now has over 650 registered users, including 64 drop-off sites. This equates to a total of 2,800 tonnes collected since 2008, with the scheme winning the 2016 Let’s Recycle Award for Excellence in Recycling and Waste Management.
Equipment Group

Key achievement
- Welcoming six new members — the second-largest growing BPF group in 2016.

The BPF’s Plastics and Rubber Equipment Group members are manufacturers and suppliers of processing machinery, ancillary equipment, components & instrumentation, post processing machinery, software supporting the manufacturing process, testing equipment and more.

The group is growing year on year. By the end of 2016, the group was formed of 35 members, with a few new applications received towards the end of the year, so we expect further growth in 2017.

The majority of group members participate in UK and foreign exhibitions, which provide one of the best platforms to meet new and existing customers and industry peers. In 2016, the BPF supported UK exhibitors at Plastics and Rubber Vietnam, Chinaplas and at the K 2016 show in Germany.

All Equipment Group companies are listed in the BPF Members Directory, distributed by the BPF from our stand at the events, so those who are not participating are still represented abroad.

Farrel Pomini compounding CP Series II™ Compact Processor

Industrial Plastics Welding and Fabrication Group (IPWAF)

The Industrial Plastics Welding and Fabrication (IPWAF) Group includes (but is not exclusive to) manufacturers, distributors, fabricators, stockists, equipment suppliers, contractors and laboratories.

The group’s mission statement is ‘to be recognised as the leading membership body representing industrial plastics welding and fabrication’.

The aim of the group is to foster a high level of professionalism in the area of the design, product development, manufacturing, marketing and sales activities of its member firms and the wider industrial plastics fabrication and welding industry in the UK.
Expert Committees

Industrial Health and Safety Committee and Safety in Manufacturing Plastics (SIMPL)

CHAIR
Alan Brown
RPC

Key achievements
- Reduced number of accidents for fifth consecutive year.
- More than 100 members signed up to SIMPL.
- Creation of H&S for injection moulding machines video.

The BPF is committed to helping its members achieve the highest standards in health and safety. The BPF’s Industrial Health and Safety Committee (IHSC) is home to expertise and information on health and safety issues related to the plastics industry and it is the driving force behind many of the BPF initiatives in the area. The committee provides several benefits to the wider membership including a support service offered within the section ‘What’s your Question?’ on the BPF Health & Safety Guidance webpage.

In 2016, the BPF held its annual Health and Safety seminar at the Squire Patton Boggs offices in Birmingham. The seminar provided insights to a record number of attendees on the Health and Safety Executive – HSE – programme for 2016, as well as a comprehensive examination of the health and safety issues that are facing our industry in the near future. The BPF presented the results of its annual accident survey, now in its 20th year, showing that BPF members reduced the number of accidents in the workplace for the fifth consecutive year.

In 2016, the committee also coordinated the production of a training video, sponsored by Billion UK, showing how to safely operate an injection moulding machine. The video will be available to all members in 2017.

The BPF IHSC is also one of the driving forces behind SIMPL, which includes over 100 company members from within the BPF. SIMPL partners are currently working to define the new SIMPL strategy that will run until 2020. Following the presentation of the new manufacturing sector strategy, the SIMPL action plan will for the first time include the requirement to target at least two of the following areas: stress, musculoskeletal disorders (MSDs), dermatitis and plastic and/or resin fumes.

Product Safety Committee

CHAIR
Chris Howick
INOVYN ChlorVinyls

Key achievements
- Authoritative industry voice on regulatory updates and issues.
- Raising awareness of the REACH 2018 registration deadline.

The Product Safety Committee provides a forum for members to access advice and guidance in relation to developments within legislation affecting the use of plastics in articles. Its main areas of concern for 2016 were:

- REACH — including legislative changes and individual chemical issues such as BPA, ADCA, DEHP and TiO2.
- Plastics in Toys — including PAH testing.
- EU CLP Regulation.
- Plastics in contact with food — including changes to exposure assumptions and NIAss.
- Water contact plastics — including member states legislative and test method developments.
- REACH 2018 registration deadline.

2016 saw a large focus on REACH regulation, including the importance and awareness of the upcoming REACH 2018 registration deadline and its implications for the plastics industry. Furthermore, the committee addressed and discussed some of the specific REACH proposals, which includes the proposed reclassification of titanium dioxide. This widely used opacifier is also used in many other industries and the proposed restrictions would have far reaching implications across Europe.

The authorisation granted for DEHP was also addressed, as well as the status of other plasticisers within the industry and also legacy additives. Similarly, changes in exposure limits for plastics in contact with food was a key issue for the committee. The proposed disposable plastic tableware ban in France was also a key focus for the group, with potential implications for UK suppliers and also future UK legislation, post-Brexit.

Guidance from the committee is provided to the wider BPF membership through the BPF newsletter as well as via the BPF’s website.

Product Safety Committee meetings are open to representatives of all BPF member companies who are interested.
The Fire Safety Committee continues to act as a key advisor to the BPF in responding to enquiries relating to the safety of plastics in fires and the fire performance of plastics and their additives.

2016 saw the committee continue to provide a forum where BPF members can voice and address issues around the safety of plastics, particularly concerning fire safety. Specific fire safety issues were addressed in 2016, including the restriction and phasing out of the flame retardant HBCD in certain plastic foams. This included liaising with the Environment Agency and providing them with authoritative information.

Furthermore, the committee continued to represent BPF members through participation in various British Standards Institute (BSI) committees on fire safety. BSI helps to develop national standards and test methods for areas that include fire safety, as well as feeding into international standards on fire safety issues, amongst others.

Fire and smoke toxicity continued to be another major focus for the committee, as well as a focus at European level. In addition to this, REACH developments around the proposal of further restrictions of flame retardants (surplus to HBCD) were addressed, with the committee also remaining abreast of US fire regulation developments and international updates.

Meetings of the Fire Safety Committee are open to representatives of all BPF member companies with an interest in this area.

The BPF Education & Skills Committee is the authoritative reference point for assessing the UK plastics industry’s future skills requirements, whilst promoting the flow into the industry of personnel through polymer education.

In 2016, the committee focused its efforts on the launch of the Polymer Ambassador Scheme, designed at educating and promoting the industry to future generations. This scheme involves industry employees trained through the STEM ambassador programme going out and performing experiments in schools, with the aim of securing future skilled workers. This is supported by ‘Olly’s Cool Box of Plastics’—educational kits, many of which were kindly donated by PlasticsEurope. The kit is aimed at teaching children various properties/applications of plastics and it will accompany our Polymer Ambassadors as they embark on school visits. This initiative came following the committee’s 2016 report into skills and education within the industry, showing concerns amongst members for the continued provision of skilled workers and the awareness of the industry. The report did, however, also showcase the importance of apprentices (over half of respondents had a board member who was previously an apprentice).

A new Polymer Apprentice of the Year Award (in conjunction with the Worshipful Company of Horners) was also launched, celebrating the achievements of apprentices within the industry. Furthermore, the committee also turned its attention towards the 2017 Apprenticeship Levy implemented by the government. The committee represented the BPF at government consultations on the matter, voiced the industry’s concerns about it and also kept members up to date with briefs about the workings of the Levy.

Finally, a new series of infographics was launched on PolymerZone, designed to educate the public about the benefits of plastics in an easy and informative way. The hashtag #PlasticSaves was used and saw six infographics communicating savings in energy, carbon, water, fuel, lives and food due to the use of plastics.

Meetings of the Education & Skills Committee are open to representatives of all BPF member companies with an interest in this area.
The Sustainability Committee was set up at the end of 2015. The committee explores sustainability issues affecting the industry and also promotes the benefits plastics bring to the environment. The committee includes members from a range of BPF groups.

The committee initially focused on developing its vision and remit as well as identifying the key sustainability topics it would cover:

- **Waste visible in society** — particularly marine litter.
- **End-of-life plastics** — ensuring plastic waste is used to its maximum value in accordance with the waste hierarchy.
- **Regulation** — examining the impact of regulation on the sustainability of plastics and contributing to mitigating any negative effects.
- **Communication** — promoting the positive benefits plastics bring to society.
- **Sustainability frameworks** — using the natural step framework as a tool for understanding the sustainability of the industry.

In the second part of the year, the committee concentrated on exploring these issues. One topic they concentrated on was waste visible in society — and in particular Operation Clean Sweep. Operation Clean Sweep is an industry-led programme aiming to ensure plastic pellets, flakes and powders are contained on site. Degradable and biodegradable material has also been investigated, including an understanding of the terms, the impact on recycling and what happens to them in the marine environment. A further issue explored has been the reasons for the use of different polymers.

The committee will be finalising their first documents on these issues and will be setting up a website page to help promote the work they are doing.

**Operation Clean Sweep**

Operation Clean Sweep (OCS) is an industry-led initiative, run in the UK by the BPF, aiming to ensure plastic pellets, flakes and powder are contained within facilities. OCS is a key focus for the BPF and it has been actively encouraging members to take part in this initiative. In 2016, 21 companies became OCS supporters.

The communication surrounding OCS has been updated during 2016. This has included a new website and leaflets. Resources have also been provided to help members implement OCS, such as presentation slides, checklists and case studies.

A members survey took place at the end of 2016, which showed that the industry has put in place a range of measures to contain plastic pellets within its facilities.

Microplastics, which include industrial plastic pellets, have seen increasing attention from NGOs, the government, press and the general public. It is therefore key for the industry to show its commitment to preventing plastic pellets ending up in the marine environment. The BPF encourages all members to sign up to Operation Clean Sweep.
HAVE YOU SIGNED UP YET?

OPERATION CLEANSWEEP

The international programme to prevent pellet loss and keep pellets out of the marine environment.

EVERYONE HAS A ROLE TO PLAY:
Resin producers, transporters, bulk terminal operators, plastic processors and recyclers.

By signing up to Operation Clean Sweep you join over 180 sites across the UK that show their commitment to a clean environment.

To find out more or to sign up
www.operationcleansweep.co.uk
Overseas Business Development

Plastics and Rubber Vietnam 2016

The BPF is involved in a number of initiatives to help British plastics companies develop overseas business. One of the ways we help them explore opportunities in foreign markets is by supporting exhibitors at foreign trade shows.

The BPF organised a British Pavilion of seven companies at the key plastics exhibition in Vietnam, which took place between 1st and 3rd of March 2016 in Ho Chi Minh City.

Plastics and Rubber Vietnam attracts over 7,100 visitors from 15 countries and over 150 exhibitors from 19 countries. It takes place every two years and 2016 was its sixth edition. The event was co-located with Propak Vietnam – the international processing and packaging show for food, drink and pharmaceutical industries.

The British Pavilion

It was the second time the BPF led a group of exhibitors from UK to this event. Many British exhibitors received a UK Trade & Investment (now known as DIT) grant, which helped cover the cost of exhibiting. There were seven participating companies under the GREAT Britain banner:

- Akcros Chemicals Ltd
- British Plastics Federation
- EPI (Europe) Ltd
- Fraser Anti-Static Techniques Ltd
- J & A Young Ltd (t/a Jayplas)
- Meech International
- Wells Plastics

On the second night of the show, the British exhibitors met with the executive director of the British Business Group Vietnam (BBGV), Mr Wai-Kit Ho, and his colleague, An Lieu Doan, who represent the equivalent of the British Chamber of Commerce in Vietnam. The British exhibitors were able to learn more about the opportunities and ways to access the market whilst having a dinner at the roof terrace of the group hotel — Hotel Majestic Saigon.

The next edition of Plastics and Rubber Vietnam will take place in Ho Chi Minh between 20th and 22nd March 2018.

“...It was the first time we have visited Vietnam but we realised that there is shortage of material in the market and we wanted to explore the opportunities first hand. [...] Over the three days of the show, we have received a good number of business enquiries, making the trip very successful”.

Jason Young, Director, J & A Young (Leicester) t/a Jayplas

Chinaplas 2016

At Chinaplas 2016 (25-28 April, Shanghai, China), the BPF once again organised a successful British Pavilion. The pavilion was supported by UK Trade & Investment, with many companies receiving small grants.

The companies in the pavilion were:

- The Aerogen Company
- Applied Market Information (AMI)
- Atlas Converting
- Boston Matthews
- British Plastics Federation
- Ceramicx
- J & A Young Ltd (t/a Jayplas)
- Meech
- MSA Engineering Systems
- Nextool
- PREA
- Zotofoams

The demand for exhibition space at the show is huge and it typically sells out about six months prior to the event. In 2016, it once again broke records — both in terms of visitor numbers and exhibitors. The show featured over 3,300 exhibitors and attracted nearly 150,000 visitors over the four days.
We would like to take this opportunity to thank you for your work organising and administering the British Pavilion and ensuring its smooth day-to-day operations.

Margo Stepnicka, First Pride / Ridat Company

The K 2016 British Plastics Industry Directory

The whole experience has been extremely positive and the BPF has been very supportive in assisting with the organisation prior to and during the show.

Chris Wright, MD, Astropol Ltd

The BPF collated a list of BPF members, including all UK exhibitors at K 2016, in a dedicated guide promoting UK plastics manufacturers and suppliers. 1,500 copies were printed and handed out at the show — plus an electronic version was available to download.

Some of the British exhibitors and visitors stayed at the Hotelboat docked at the bank of the river Rheine, near Dusseldorf’s Altstadt (old town). The BPF worked with a travel agent to reserve over 70 cabins of MS Switzerland II. Staying in a group hotel provided the British delegates with plenty of opportunities to network and relax in the evening after a long day on the stand.

We are looking forward to the next edition of the K show, which will be held in Dusseldorf once more, between 16 and 23 October 2019.

The show, which takes place every three years, attracted over 230,000 visitors from 160 countries and around 3,200 exhibitors. According to the Messe Dusseldorf report over 70% of visitors came from abroad, which makes the show truly international. Some of the visitors travelled from countries as far as Bangladesh, Costa Rica, Ethiopia, the Ivory Coast, Jamaica, Oman, Madagascar or Mauritius. Out of the foreign visitors, the largest proportion came from Asia — nearly 30,000 came from South, East and Central Asia.

As part of the British Pavilion, the BPF hosted a UK Village in Hall 5 with stands around a shared networking area. Each day UK exhibitors could enjoy refreshments and use the small private meeting room, located at the back of the networking area. BPF members that did not exhibit at the show could also use the meeting room if pre-booked.

British Pavilion exhibitors:
- The Aerogen Company
- Almo Addmix
- Astropol
- British Plastics Federation
- CCS Technology Ltd
- CL Rye
- Colourpol
- ELG Carbon Fibre
- Euro Exim
- Hubron
- Impact Solutions
- Intouch Monitoring
- IQMS
- Listgrove
- Longfield Chemicals
- Michael Balance Plastics
- MSA Engineering Systems
- Nextool UK
- Plastics Consultancy Network
- Plastics in Packaging Sayers Publishing
- Plastics Machinery Group
- PREA
- Ridat / First Pride
- Sevenseas International
- Silberline
- Wells Plastics

Many British exhibitors were supported by Department for International Trade (DIT — formerly UKTI) grants, which were administered by the BPF. These grants helped offset some of the cost of hosting stands and freight charges.

Arguably the most important event for the plastics industry and the world’s largest plastics exhibition, K 2016, took place between 19 and 26 October in Dusseldorf, Germany. The eight-day exhibition brings together leading raw material producers, processing companies and machinery manufacturers and offers a platform for viewing the latest developments and future trends within the industry.

The BPF organised the British Pavilion at the show, made up of 25 companies located in one of the two halls: Hall 5 (materials) and Hall 12 (machinery). There were nearly one hundred British exhibitors in total at the event; some having individual stands and others exhibiting with their parent companies.

“I’d like to thank the British Plastics Federation for supporting us through the K Trade Fair 2016. Getting the stand construction organised by yourselves made it very easy for us and we found on the day that everything was done as to our order. During the show, it was very useful to have a shared meeting space and the ability to ask for assistance.”

Rafael Kilim, Director, Almo / ADDmix

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“The whole experience has been extremely positive and the BPF has been very supportive in assisting with the organisation prior to and during the show.”

Chris Wright, MD, Astropol Ltd

The networking area for BPF members was well used at K 2016

We would like to take this opportunity to thank you for your work organising and administering the British Pavilion and ensuring its smooth day-to-day operations.

Margo Stepnicka, First Pride / Ridat Company

The whole experience has been extremely positive and the BPF has been very supportive in assisting with the organisation prior to and during the show.

Chris Wright, MD, Astropol Ltd

The BPF ANNUAL REVIEW 2016

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Events

In 2016 the British Plastics Federation hosted eight varied and highly successful seminars. These covered a wide range of topics, each of importance to the plastics industry.

The first event of 2016 for the BPF explored the important subject of 3D Printing and its future role for the plastics industry. The seminar included case studies, an examination of tooling and a look at future trends in the industry.

2 BPF Health and Safety Seminar 2016 16 March 2016
The 2016 BPF Health and Safety Seminar proved to be the most popular edition of this annual event in the history of the BPF, with over 60 people attending. The seminar returned to the Midlands, taking place at the offices of Squire Patton Boggs in Birmingham. The conference included presentations on slips and trips, behavioural change and risk assessments.

3 BPF REACH Masterclass 2016 27 April 2016
Chemicals legislation is a key topic for the BPF and the BPF REACH Masterclass tackled this complicated subject. The event provided an update on REACH, an examination of industry perceptions on REACH and a look at the implications for 2018 and how to prepare for the new REACH deadline.

4 BPF Rotational Moulding Group: Health and Safety Seminar 19 May 2016
Once again the BPF Rotational Moulding seminar proved to be the largest event for the BPF, attracting over 100 guests to Northampton for this ever popular subject. The theme of the event for 2016 was health and safety and the event covered topics including the HSE campaign for 2016, risk assessments for rotational moulding ovens and health and safety on rotational moulding machines.

5 BPF Plastics in Automotive Seminar 27 September 2016
The BPF automotive seminar for 2017 travelled to Worcester and brought together key industry figures to discuss the role of plastics in the automotive industry. The event included speakers from organisations including Ernst and Young and Jaguar Land Rover to discuss topics including the circular economy, weight reduction and the effect of the Brexit vote.

6 Thermoplastic Composites 2016 6 October 2016
Run in conjunction with Composites UK, the 2016 Thermoplastic Composites seminar focussed on the role of thermoplastics composites in the transport sector. The event explored topics including how to industrialise the creation of thermoplastic composites as well as their potential to use thermoplastics in public transport applications such as rail.

7 Plastics Recycling – Pioneering Ideas and Regional Views 23 November 2016
The 2016 BPF recycling seminar was run in conjunction with PlasticsEurope and for the first time it travelled to Wales. Hosted at Cardiff City football stadium, the event explored regional approaches to recycling as well as key innovative ideas. It began with presentations from each of the four regions in the UK and also included presentations on the circular economy and future challenges for recycling.

8 Plastics Packaging in the UK: A Roadmap for the Future 2016 1 December 2016
The final event of the year provided a ‘roadmap to the future’ for the packaging industry and included an exploration of the likely direction of environmental legislation, presentations from Marks and Spencer and the Co-operative as well as a presentation on standardising recycling collection.
BPF Seminars 2017

Health and Safety
Rotational Moulding
In the Dark About Energy Costs
Industry 4.0
Circular Economy
Integrated Energy Management
Brexit and the Plastics Industry
Energy Management
Thermoplastic Composites
Automotive
Recycling the Unrecyclable
Packaging

Seminars

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<td>Rotational Moulding</td>
<td>Worcester</td>
<td>9 May</td>
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<td>In the Dark About Energy Costs</td>
<td>Warwick</td>
<td>9 May</td>
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<td>Industry 4.0</td>
<td>London</td>
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<td>Thermoplastic Composites</td>
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<td>Packaging</td>
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Trade Shows 2017

Plastivision 19 - 23 Jan (Mumbai, India)
Chinaplas 16 – 19 May (Guangzhou, China)
Plastimagen 7 – 10 Nov (Mexico City, Mexico)
The British Plastics Federation hosted its annual celebration of the plastics industry at the Lancaster London hotel on 13 October 2016. Over 500 attendees joined the British Plastics Federation in the Westbourne Suite of the glamorous venue for an evening of awards, fine dining and entertainment.

The 2016 dinner was kindly sponsored by Inenco, Wavin, Punter Southall Health & Protection, Chemson, Plastribution, How 2, Gabriel Chemie, Listgrove and BPF Energy. Guests at the event were welcomed by the light piano music of Bella and after the four-course meal guests enjoyed the relaxing music of the Moonlight Jazz Band late into the evening.

The after dinner speaker was political commentator Julia Hartley-Brewer, who entertained the assembled guests with her anecdotes from the Westminster village. Moving seamlessly from her run in with John Prescott to her student days with George Osborne, Julia gave the guests her opinions on what has been a tumultuous year in politics.

BPF Director General Philip Law welcomed guests to the event before announcing the runners up of the Horners Award for Plastics Innovation and Design, which went to Gary Hudson of GH Innovation. Philip ended his speech by announcing the winner and runner up of the BPF Energy Award, which was Talis and Nampak Plastics Europe respectively.

BPF President David Hall started his speech by thanking the sponsors before broaching the subject of Brexit. He described the work that the BPF has done in response to the Brexit vote before moving on to describe the launch of the BPF’s strategy document, which demonstrates that plastics is now one of the largest manufacturing sectors in the UK, with a combined turnover of £23.5 billion and it is a direct employer of 170,000 people. David Hall also described the key actions outlined in the document.

The BPF president then moved on to welcome new BPF members of staff and finished his speech by announcing the BPF Gold Medal winners for 2016: Jim Jeffries and Chris Howick. David Hall praised Jim Jeffries for his selfless tour of duty as chairman of the Additives Group and his contribution to the BPF. Moving on to Chris Howick, the BPF president described him as the last word on REACH legislation and a tremendous supporter of the BPF for many years.

The Annual Dinner in 2016 proved to be a great success. The BPF looks forward to welcoming the industry back to the Lancaster London for the 2017 BPF Annual Dinner, taking place on 12 October 2017.

Paul Baxter
Senior Commercial
Events and Projects
Executive
020 7457 5047
pbaxter@bpf.co.uk
84th Annual Dinner
Thursday 12 October 2017 – The Lancaster London Hotel
Start time – 7.15 for 7.45pm

www.bpfannualdinner.co.uk
The premier plastics networking event
Full evening of themed entertainment

Thank you to all our sponsors
This was a truly exciting year of great change and progress for BPF Energy as the operation and administration of the Climate Change Agreement was brought in-house in its entirety. With this development, we were delighted to welcome two new members to the BPF team. Peter Haslop joined us as Technical Director and Yolanda Starkie as CCA Administration Manager. Both have many years' experience running climate change agreements and are welcome additions to the BPF Climate Change team.

Following the integration of the new team, the priority of BPF Energy was the support, provision of information, education and communication to CCA partners. As well as regular written communication, a series of seminars and workshops were undertaken throughout the country to achieve this aim.

A BPF Energy presentation to the packaging sector members in June paved the way for a smooth transition of the administration of their CCAs from the current incumbent Consultancy to in-house administration with 72 facility agreements. This now gives the BPF total in-house control of all Plastics Climate Change Agreements.

We have also undertaken several government Consultations about the future of Climate Change Agreements. BPF Energy submitted responses to all consultations and continue to work closely and develop relationships with governing bodies including the Department for Energy & Climate Change, Environment Agency, Ricardo-AEA and HMRC.

BPF Energy is now actively involved and participates in regular meetings with two major legislative working groups: the Manufactures’ Climate Change Group (MCCG) and The Emissions Trading Group (ETG). The MCCG represents the key manufacturing sectors affected by climate change instruments. The ETG provides an important forum for discussion between business and the UK government and provides input to the development and operation of related UK climate change measures such as Climate Change Agreements and the CRC Energy Efficiency Scheme.

Finally, congratulations to BPF Energy award winner Talis-UK and to Nampak Plastics Europe as runner-up.
Business Support Network

The Business Support Network (BSN) is a group of associate members to the BPF. Formed of service providers, testing houses, training and course providers, the BSN members are there to support the BPF members, who can benefit from discounts and consultation.

Training providers such as Edinburgh Napier University, Impact Solutions, Polymer Training and Innovation Centre, RJG Technologies, Smithers Pira, Solutions 4 Polymers, UL International and WMG (University of Warwick) can help with skills development.

Testing Houses offer their facilities to serve the industry needs and others help with product and process development. BPF members can get some legal advice by Squire Patton Boggs and access a free legal helpline by Croner.

They can learn about the National Grid and the revenue streams it offers from Endeco Technologies and access advice on pensions and auto-enrolment from Beaufort Consulting. Willis Towers Watson Networks offers their help in picking the right insurance and Punter Southall Health & Protection offers advice on health and wellbeing in the workplace.

Siemens Financial Services specialise in equipment finance, leasing, vendor finance solutions and invoice financing. Interplas Events organise the UK’s largest plastics exhibition of the same name.

BPF members can also benefit from tax relief on their R&D cost and patents via services offered by GGTC and Patent Box, which could on average save £43,000 for SMEs and £300,000 for large companies.

Other services offered by BSN members include HR and recruitment by the leading plastics recruitment specialist, Listgrove, and certification, testing and safety consultation from UL International.
During 2016, a number of projects have been brought to a successful conclusion, with approval from the European Union project and technical officers.

These projects continue to give the BPF good exposure with our EU counterparts, while ensuring we keep up to date with the latest innovations in the plastics industry. In addition, these projects also help the BPF to maintain and grow our network and contacts abroad, which assists us in being able to support members when looking for foreign opportunities or partners.

Going forward, the BPF’s involvement in projects is going to be driven by the networks we have built up throughout the other European associations that wish to work with us in gaining project exposure or expertise in the UK.

**Completed projects**

### EuroPHA

This project completed its testing and analysis phase in 2016. It involved developing a 100% natural and biodegradable bioplastic formulation to be used for food packaging applications.

The ultimate aims were:
- For consumers to be able to dispose of products together with food residues without the need of separation.
- Products to be >95% bio-based and 100% compostable by EU Standards.
- To increase European PHA market share by reducing the final product cost by up to 40%.
- To develop novel formulations of PHA for food packaging.

**Project website**

- [www.europha.eu](http://www.europha.eu)

This project is part-funded under the European Commission’s 7th Framework Programme (FP7/2007-2013) under Grant Agreement Number 604770.

### Next1Koat (N1K)

This project was completed in 2016 and developed some interesting polymers, which are believed to have implications for industries beyond the initial target market of the woodworking and furniture manufacturer. Using seaweed polymers as a base, N1K developed a triple-finish system that is of high quality and long lasting. The new coating, based on seaweed, has further advantages:
- Environmentally friendly: no VOCs.
- High renewable content.
- Low carbon footprint.

The website has the latest information, including a highly informative and engaging video explaining the process.

**Project website**

- [www.next1koat.eu](http://www.next1koat.eu)

This project was part-funded under the European Commission’s 7th Framework Programme (FP7/2007-2013) under Grant Agreement Number 304998.

### Next1Koat

**Novel High Performance Bio-based Wood Coating**

**Europe’s leading high performance coatings manufacturer**

**Next1Koat**

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- Low carbon footprint.

The website has the latest information, including a highly informative and engaging video explaining the process.

**Project website**

- [www.next1koat.eu](http://www.next1koat.eu)

This project was part-funded under the European Commission’s 7th Framework Programme (FP7/2007-2013) under Grant Agreement Number 304998.
GreenPack

This project continues to work towards establishing a fully recyclable 100% PET package for food contact with an O2 barrier, thus enabling improved transparency and a low CO2 footprint.

Beyond the main goal, there is a secondary potential output from this project. This is to design and distribute a dedicated recycling model that is based on the recycling model of the 100% PET soft drinks bottles, however, with the additional ability to be adjusted based on specific food package features.

Project website
www.greenpack-project.eu

SlipSafe

This project sets out to reduce the level of slip-accidents in commercial and private dwellings. The project is complex in its nature, as not only is it seeking to provide a solution to slip accidents but at the same time to enable easy cleaning of floors. Additionally, the project aims to produce a new testing method for allowing the monitoring of slipperiness as a function of the wear of installed flooring material.

Results and updates will be published in due course on the project website.

Project website
www.slipsafe.org

HiPerDry

This project is developing a prototype MW-SHSD (microwave enhanced superheated steam drying) system, which aims to achieve the following:

- A 30–50% reduction in process energy costs and run time.
- The ability to dry heat sensitive hygroscopic polymers (especially biopolymers) without the risk of material degradation.
- To build up know-how about the drying and processing of heat-sensitive bioplastics.
- For 90% of energy input to be recoverable from the excess steam.

Europe is currently leading the development and processing of bio-based polymers. This project aims to promote this position further by providing a solution that avoids partial degradation of the polymer and enables significant time and energy savings.

Results and updates will be published in due course on the project website.

Project website
www.hiperdry.eu

SlipSafe is part-funded under the European Commission’s 7th Framework Programme (FP7/2007-2013) under Grant Agreement Number 606691.

HiPerDry

This project is part-funded under the European Commission’s 7th Framework Programme (FP7/2007-2013) under Grant Agreement Number 605698.
Horners Awards

Horners Awards for Plastic Design and Innovation

WINNER AND RUNNER UP

The pTrumpet — the world’s first all-plastic trumpet — won the Horners Award for Plastics Innovation and Design 2016. Designed by musicians in England and produced by Warwick Music Group, the pTrumpet was praised by the judges for the fact that it made the trumpet an affordable instrument for many — especially school children.

The pTrumpet is made up of a fully plastic valve system — the first of its kind — with self-lubricating plastic properties. The polymer lead pipe technology is unique, as is the ability to manufacture the lead pipe in one unit.

The Thermochromic Cable Collar by GH Innovation Ltd was the runner-up in 2016. It is a brand new electrical fire safety product that highlights high temperature or loose electrical connections by changing colour. It was commended for its potentially lifesaving properties, as one of the main causes of electrical fires in homes and businesses are overheated electrical connections.

Horners Bottlemakers Award

WINNER

The 2016 Horners Bottlemakers Award went to the ICE bottle by R&D Tool and Engineering Ltd.

Initially created for the cosmetics market, the glass-like bottle is produced using injection stretch blow moulding. The result is a stackable bottle with a sleek, high-end, architectural look. Made from a copolyester supplied by Eastman, the square shoulders of the bottle also allow for a simple engraving process that can be easily read. It has sparked interest from many parts of the PET industry.
Polymer Apprentice of the Year Award

WINNER AND RUNNER UP

The winner this year was **Reece Connolly**. He completed classroom and on-the-job training to a very high standard, and was awarded the Salters City and Guilds prize for his performance in the Process Technology Level 3 course. He has demonstrated considerable personal initiative in extending his learning and in his work, including the training of colleagues; he was a key member of a team that developed a new plant performance display system, which won a BASF global prize. Outside work, he has helped a disabled group with swimming and worked in support of a hospice.

The runner-up this year was **Robert Cummings**. During his apprenticeship he demonstrated an outstanding level of commitment and aptitude, both as team member and team leader. He now mentors current apprentices. He was a member of the winning team at the 2016 Cranfield National Apprentice Competition and was Yarmouth College Student of the Year in 2012/13. He has also participated in two Outward Bound Expeditions.

Horners Award

A History


In the 1940s: “the Worshipful Company of Horners’ approached the Federation with proposals for a link between their ancient craft and the modern plastics industry and on their initiative an exhibition of plastics applications staged at Guildhall. In the following year the Horners’ Company generously presented a sum of 50 guineas to the Federation to be expended at the discretion of the Council on awards to craftsmen in the plastics industry. These awards were offered for design and emphasis was placed upon encouraging younger craftsmen.

“In 1947 there were two classes, one for the design of a mould in which the first prize was won by W. Westwood of the Tool Makers, Fox & Offord Ltd. and a drawing for the arrangement of a moulding tool in which the first prize was won by F. Seed of United Ebonite and Lorival.

“A few years later the regulations for the award were modified to cover the design of a product made from plastics materials. This relationship between the Federation and the Worshipful Company grew stronger over the years and now flourishes root and branch. At this time the subject of industrial design in the UK was coming into prominence and the Board of Trade created a National Council of Industrial Design. This Council was amongst other things responsible for mounting the 'Britain can make it' Exhibition in September 1946 and the Federation co-operated actively with it in this endeavour.”
Inspire and deepen young people’s understanding of plastics

Classroom activities, 50+ videos, downloadable posters and other materials
Members of the BPF

Additives Suppliers
AddMaster UK Ltd
Americhem Ltd
Aquapurge
Astropol Ltd
Baerlocher UK Ltd
BASF
Chemson Ltd
Colloids Ltd
ColorMatrix
Corcoran Chemicals UK Ltd
Covestro
DOW Plastics Additives Ltd
Eastman Company UK Ltd
eChem Ltd
EPI Europe Ltd
ExxonMobil Chemical Ltd
Gabriel-Chemie UK Ltd
Grolman Ltd
IKA UK Ltd
IMCD UK
Kronos Ltd
LKAB Minerals Ltd
Lysis Technologies
Mitsui & Co UK plc
Omya UK Ltd
Reagens Ltd
Wells Plastics Ltd
West & Senior Ltd

Business Support Network
Beaufort Corporate Consulting Ltd
Croner
Edinburgh Napier University
Endeco Technologies
GGTC – Government Grant & Tax Consultants
Impact Solutions
Inenco
Interplas Events
Listgrove Recruitment Consultants
Patent Box
Polymer Training & Innovation Centre
PSHP - Funter Southall Health & Protection
RIG Technologies Ltd
Simeren Financial Services
Smithers Pira
Solutions 4 Polymers
Squire Patton Boggs
UL International (UK)
WMG University of Warwick
Willis Towers Watson Networks

Cellular PVC
Eurocell Profiles
General All Purpose Plastics (GAP)
Kestrel Building Products
Swish Building Products

Composites
Forbes Group
Gurit (UK) Ltd
Hygrade Industrial Plastics Ltd
Llewellyn Ryland Ltd
Plasticon UK Ltd
Solent Composite Systems Ltd

Equipment
ABB Ltd
ASHE Converting Equipment
Billion UK Ltd
Boston Munchy Ltd
Buhler Sortex Ltd
CCS Technology Ltd
Ceramicx Ltd
C R Clarke & Co (UK) Ltd
Engel UK Ltd
EPICOR Software (UK) Ltd
Farrel Ltd
Formech International Ltd
FPE Global Ltd
Hi-Tech Automation Ltd
Ingersoll Rand European
Instron Ltd
Intouch Monitoring Ltd
Isocool Limited
Lloyd Instruments Ltd
Mann & Hummel (UK) Ltd
Meech Static Eliminators Ltd
MSA Engineering Systems Ltd
NDC Infrared Engineering
Negri Bossi Ltd
Plasticity Ltd
Romi Machines UK Ltd
Rud Chains Ltd
Staubli UK
The Aerogen Company Ltd
Tinus Olsen Ltd
T R Fastenings Ltd
Vepclan Limited
Verus Precision UK Ltd
Xrutech Ltd
Zeppelins Systems Ltd

Expanded Polystyrene (EPS)
BASF plc
Bewi Styrochem
Chemtura
Dart Products Europe
DS Smith Foam Products Ltd
Energystore
Ineos Styrenics
Kingspan Insulation
Moulded Foams Ltd
Peterhead Box
Polimeri Europa UK Ltd
Springvale Insulation Ltd
Sunpor
Synthos Breda BV
Thermabead Ltd
Thukraft Ltd
Total
Vita Cellular Foam Ltd (Kay-Metzeler)

Flexible Foam Converters
Beasley Pillows
Comfortex
Duflex
Platt & Hill

Industrial Plastics Welding and Fabrication (IPWAF)
Advanced Plastic Technology
Plastipack Ltd

Masterbatch & Technical Compounds
A. Schulman Polymers
Abbey Masterbatch
AddMaster (UK) Ltd
AEI Compounds
Americhem Ltd
Broadway Colours Ltd
Colloids Ltd
ColorMatrix
ColourTone Masterbatch Ltd
Gabriel-Chemie UK Ltd
Hubron (International) Ltd
Performance Masterbatches Ltd
Plasticcolour Ltd
Prisma Colour Ltd
Silvergate Plastics Ltd
Wells Plastics Ltd

Moulders and Specialist Processors
Aeroplas (UK) Ltd
Agentdraw Ltd
A K Industries Ltd
Algram Group Ltd
Amtek Plastics
Antolin Interiors UK Limited
Avalon Plastics Ltd
Bemis Ltd
Bespak Europe Ltd
Big Bear Plastic Products Ltd
BNL (UK) Ltd
Bolton Plastic Components Ltd
Brooman Main Ltd
Champion Mouldings Ltd
Cj Tool & Mouldings Ltd
Cramer UK Ltd
Curver UK Ltd
Daniels Healthcare Ltd
Data Plastics Ltd
Denroy Plastics Limited
Desch Plantpak Ltd
Dubois Ltd
Eaton Automotive
Emtelle UK Limited
Essentra Components Ltd
Euro Extrusion Limited
Fern Plastic Products Ltd
Flamebeau Europlast Ltd
F. L. Plastics Ltd
Forbes Technologies Ltd
Forteq (UK) Ltd
Frontier Plastics Ltd
Goodfish Ltd
Gruppo Antolin Leamington Ltd
Hallam Plastics Ltd
Hellermann Tyton
HM Prison Service
Hozelock Ltd
Husqvarna UK Ltd
Ideal Standard Manufacturing UK Ltd
Members of the BPF

Inpress Plastics Ltd
J F McKenna Ltd
John McGavigan Ltd
Johnstone Safety Products Ltd
Labone Castleside
Lettergold Plastics Ltd
Loadhog Ltd
Mainetti Euri (UK) Ltd
McLaren Plastics Ltd
Measom Freer Ltd
Mecaplast
Melba Products Ltd
Mold Systems
Mollertech UK Ltd
Northern Ireland Plastics Ltd
Northpoint Limited
Novar ED&S
Numatic International Ltd
One51 ES Plastics (UK) Ltd
Owen Mumford Ltd
Oxford Plastic Systems Ltd
Peak Plastics Ltd
Peerless Plastics & Coatings
Pentagon Plastics Ltd
Piolax Manufacturing
Plastic Engineering Solutions Ltd
Plastocom Ltd
Plastic Omnium Automotive Ltd
Polymermedics Ltd
Really Useful Products Ltd
RGE Engineering Ltd
Rich (UK) Products Ltd
R-Tek Ltd
Rutland Plastics Ltd
Sherwood Plastic Products Ltd
SMR Automotive Mirrors UK Ltd.
SPM Plastics Ltd (T/a UPSG)
SPS (EU) Ltd
St. Davids Assemblies Ltd
Straight Plc
Strata Products Ltd
Taylor Engineering and Plastics Ltd
Tex Plastic Products Ltd
Thermo Fisher Scientific Ltd
The Stewart Group
Thumbs Up (Bury) Ltd
TS UK Ltd
VIP Polymers Ltd
Warden Plastics
Weltonhurst Ltd
West Pharmaceutical Services
Whistle Stop Plastics Ltd
WHS Plastics Ltd
Zotefoams Plc

Plastics and Flexible Packaging

Aintree Plastics Ltd
Alfaplas Ltd
Alpla UK Ltd
Amcor Flexibles UK Ltd
Anson Packaging Ltd
Bermis Healthcare Packaging
Bericap (UK) Ltd
Blowplast Ltd
Bostik Ltd
Brayford Plastics Ltd
British Polythene Industries Ltd
Broadway Colours Ltd
BYK Gardener
Canyon Europe Ltd
Carmel Olefins (UK) Ltd
Cedo Ltd
Coveris Rigida UK Ltd
Cromwell Polythene Ltd
Dart Products Europe Ltd
Dow Chemical Company Ltd
Esterform Packaging Ltd
Eurofilm Extrusion Ltd
European Packaging Distributors Ltd
Excelsior Technologies Ltd
Faerch Plast Ltd
FFP Packing Solutions Ltd
Flint Ink (UK) Ltd
Frank Mercer & Sons Ltd
Global Closure Systems
Graham Packaging Plastics Ltd
Henkel Ltd
Highland Spring Ltd
I G Industries Plc
Innovia Films Ltd
Intelpac Ltd
Interflex
Intertek MSG
Jubb UK Ltd
KM Packaging
LB Europe Ltd
LINPAC Packaging Ltd
Logoplaste UK Ltd
Marpak Extrusions Ltd
Mauser UK
McBride Ltd
Measom Freer Ltd
Mitsui & Co Europe Plc
Mondi Scunthorpe Ltd
Mono Ltd
Nampak Plastics Europe Ltd
Nolato Jaycare Ltd
Optimation Ltd
Parkside Flexible Packaging Ltd
Par-Pak Europe Ltd
Philips Avent Ltd
Plastiflex
Plastek UK Ltd
Plastic Bottle Supplies Ltd
Plastic Products Ltd
Plastipak UK Ltd
PPS Recovery System
Promens Packaging Ltd
Pulse Flexible Packaging Ltd
Pure-Flex Packaging Adhesives Ltd
Roberts Mart & Co Ltd
Robinson Plastic Packaging
RPC Containers Ltd
RPC M & H Plastics Ltd
Sappi Europe SA
Schoeller Allibert
Sealed Air Ltd
Seevent Plastics Ltd
Sharpak Bridgewater Ltd
Sligan Closures (Portola Packaging)
Skymark Packaging Solutions
Spectra Packaging Solutions Ltd
Sudpak UK
Sun Chemical Ltd
Supreme Plastics Ltd

Plastics and packaging affiliate member

Bostik Ltd
BYK Gardener
Carmel Olefins (UK) Ltd
Dow Chemical Company Ltd
European Packaging Distributors Ltd
Flint Ink (UK) Ltd
Henkel Ltd
Interflex
Intertek MSG
Mitsui & Co Europe Plc
Optimation Ltd
Plasfilms
PlasRecycle Ltd
PPS Recovery System
Pure-Flex Packaging Adhesives Ltd
Sappi Europe SA
Sun Chemical Ltd
Vow Packaging

Pipes Group

Aco Technologies
Alaxis UK
Asset International
Borealis UK
Durapipe UK
Geberit Sales
George Fischer Sales
Glynwed Pipe Systems PE
GPS PE Pipe Systems
Hydro International
INEOS Vinlys UK
John Guest
Marley Plumbing & Drainage
McAlpine and Co
Polypipe Building Products
Polypipe Civils
Polypipe Terrain
Radius Systems
Rehau
Sustainable Drainage Systems
Uponor
Wavin

Polymer Distributors & Compounders

4Plas
Albis UK Ltd
Biederfeld Petroplas
Distropol Ltd
Elasto
Gazechim Plastics UK Ltd
Hardie Polymers Ltd
Hellyar Plastics Ltd
HEXPOL TPE Ltd
Longfield Chemicals Ltd
Nexeo Solutions
Performance Plastics Ltd
Perrite - A Division of A. Schulman
Petlon Polymers Ltd
Plastribution Ltd
Polydist UK Ltd
Resinex UK Ltd
Sumika Compounds (UK) Ltd
Ultrapolymers Ltd

Polymer Suppliers
Axion Polymers
Basell Polyolefins UK Ltd
Berwin Polymer Processing Group
Covestro
Dugdale Ltd
Floreon-Transforming Packaging Ltd
INOVYN ChlorVinyls Ltd
JSP International
Luxus Ltd
Mexichem Specialty Compounds
Plastic Technology Services
SABIC UK Ltd
Solvay Polymers Ltd
Vinnolit Ltd
Vinyl Compounds Ltd

Recycling Group
Axion Polymers
Biffa Polymers
Boomerang plastics
Centriforce
Chase Plastics
Clean Tech
CL Rye Trading Ltd
DS Smith Recycling
Ecodek
ELG Carbon Fibre Ltd
Jayplas
JFC Plastics
Kam Plastics Ltd
Luxus
MBA Polymers
Oxford Plastic Systems
Philip Tyler Polymers
Plasgran
Plasrecycle
Polymer Extrusion Technologies UK (LTD)
Polypipe
PPR Wipag
PVCR Ltd
Regain Polymers
Repro Plastics
Roydon Group PLC
RPC: BPI Recycled Products
Sortology
TDG
Trafford Services
Vanden Recycling Ltd
VEKA Recycling
Veolia UK Ltd
Viridor
Wellman International
YS Reclamation

Rotational Moulding
493K Limited
ACO Technologies Plc
A. Schulman Gainsborough Ltd
Balmoral Tanks Ltd
Bioquell UK Ltd
Broadway Colours Ltd
Corilla Plastics
Crompton Moulding Ltd
Etills Ltd
Europalite
Excelsior Roto Moulding Ltd
Gordon Ellis & Co
JFC Plastics Ltd
Jonesco (Preston) Ltd
JSC Rotational Ltd
Kingspan Environmental
Leafield Environmental Ltd
Lysis Technologies
Mailbox-Stamford Products Ltd
Matrix Polymers
Numatic
Palm Equipment International Ltd
Persico SpA
Prisma Colour Ltd
Queen's University of Belfast
Romold Ltd
Rotational Mouldings Ltd
Rotomotive Ltd
Rototek Ltd
The Stewart Company
Trent Bank House Cons Ltd

Windows
Baerlocher UK
Deceuninck Ltd
Duraflex Ltd
Epwin Group Plc
Eurocell Profiles Ltd
Halo
INOVYN ChlorVinyls Ltd
Lister Trade Frames Ltd
Mitsui & Co UK plc
PatioMaster
Profile 22 Systems Ltd
REHAU
Renolit
Rohm and Haas
Snowdonia (Windows & Doors) Ltd
Spectus Window Systems
Swish Windows and Doors
Synseal
Veka Plc
Zenith Staybrite Ltd

Sheet & Coated Fabrics
Altro Floors
Fenner PLC
Palram UK
Polyflor
Tarkett

Vinyls
Altro Floors
Baerlocher UK
Berwin Polymer Processing Group
BPEA
Chemson
DOW Plastic Additives
Dugdale Ltd
Eastman Company UK Ltd
ExxonMobil Chemical Ltd
GPS PE Pipe Systems
INOVYN ChlorVinyls Ltd
Polyflor Ltd
Polypipe Group
Renolit Cramlington Ltd
Solvay Polymers Ltd
Tarkett
UKRFA
Vinnolit Ltd
Wavin Plastics Ltd
Flexible Foam Research Limited (FFR Ltd)
Dr David Waite
administrator@dwaite.demon.co.uk
Flexible Foam Research Limited, established in 1984, carries out research and/or development on behalf of the UK manufacturers of polyurethane flexible foam, which if successful would be beneficial to the whole of the industry. It is also represents the UK polyurethane flexible foam industry in discussions with UK Government departments, standards agencies in the UK and Europe and other trade associations/representation bodies associated with flexible foam products both in the UK and Europe.

Gauge and Tool Makers Association (GTMA)
www.gtma.co.uk
GTMA represents the individual expertise of our members and the collective engineering resource we represent in precision engineering within the Tool Making, Jigs and Fixtures, Additive Manufacturing, Metrology and other critical manufacturing related products and services in the engineering supply chain. Our work with OEMs and Tier 1s is to provide a valuable resource for manufacturing companies within the Aerospace, Automotive, Rail, Marine, Medical and Energy markets. GTMA management is operating under the standards of ISO 9001: 2008 accreditation to provide supply chain solutions, business services, technology transfer and industry networks for companies throughout the engineering supply chain.

Insulating Concrete Formwork Association (ICFA)
www.icfa.org.uk
The ICFA was formed over 15 years ago under the umbrella of the British Plastics Federation and the Ready Mixed group of Companies by ICF manufacturers to develop a clear and concise direction and generic standards by which we all adhere. The ICFA has full Authority over the 10 Full members of the association who pledge to follow some simple rules and install wall systems to the best of their ability.

Northern Ireland Polymers Association (NIPa)
www.polymersni.com
NIPa is an organisation which represents and promotes the Polymer Sector in Northern Ireland, including converters, fabricators, recyclers, suppliers and HE/FE institutions.
The association has recently expanded its activities and now also provides excellent networking facilitation, both locally and internationally and influencing policies.
NIPa also provides a full range of bespoke, Advanced Technical Training Programmes on materials, processing and applications for individual companies. The association now also facilitates and assists with the development of company growth strategies as well as individual or collaborative R&D and innovation programmes for NIPa members.
Plastics Consultancy Network (PCN)
www.pcn.org

The Plastics Consultancy Network is the leading international independent consultancy network for plastics products. Made up of a network of independent consultants covering all areas of the plastics industry – from raw materials through to mergers and acquisitions.

Yacht Brokers, Designers and Surveyors Association (YBDSA Holding Limited)
www.ybdsa.co.uk

YBDSA is the overall company for the Association of Brokers and Yacht Agents (ABYA) and The Yacht Designers and Surveyors Association (YDSA). Both are professional associations providing membership services including training opportunities through in-house expertise and external professionals within the marine field. Our members cover a broad range of boat types from small RIBS to superyachts – power and sail – inland, coastal and sea-going. We also offer services for Registration of vessels in the UK and other overseas registries and British (MCA) certification of under 24m vessels for commercial use, such as charter, angling and offshore services incl. windfarms. We are authorised by HMRC to operate a Customs Warehouse scheme for non-VAT paid vessels to be offered for sale in the UK.
Group & Committee Chairmen

BPF Business Groups
as of 31 December 2016

Additives Suppliers Group

CHAIR Steve Quinn
West & Senior

Cellular PVC Group

CHAIR Dave Osborne
Swish Building Products

Composites Group

CHAIR Lee Forbes
Forbes Group

Equipment Group

Expanded Polystyrene Group (EPS/NBBA)

CHAIR David Emes

Flexible Foam Converters Group

Industrial Plastics Welding and Fabrication Group (IPWAF)

Masterbatch & Technical Compounds Group

CHAIR Russell Livesey
Colloids

Moulders and Specialist Processors Group

Packaging Group

CHAIR Bruce Margetts
Bericap UK

Plastic Pipes Group (PPG)

PRESIDENT Derek Muckle
Radius systems Ltd

Polymer Distributors and Compounders Group

CHAIR Mike Boswell
Plastribution

Polymer Suppliers Group

Recycling Group

CHAIR Roger Baynham
Philip Tyler Polymers

Rotational Moulding Group

CHAIR Philip Maddox
Leafield Environmental

Sheet and Coated Fabrics Group

Vinyls Group

CHAIR Roger Mottram
INOVYN

Windows Group

CHAIR Martin Althorpe
Epwin Group

BPF Central Expert Committees
as of 31 December 2016

Education and Skills Committee

CHAIR Gillian Doughty
RPC Superfos

Fire Safety Committee

CHAIR Christine Lukas
DOW Chemicals

Industrial Health & Safety Committee

CHAIR Alan Brown
RPC

Product Safety Committee: REACH & Regulatory Issues

CHAIR Chris Howick
INOVYN

Sustainability Committee

CHAIR Jason Leadbitter
INOVYN
The Council of the British Plastics Federation
as of 31 December 2016

**PRESIDENT**
David Hall
Polypipe Group

**POLYMER SUPPLIERS**
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Solvay Specialty Polymers UK

Kevin Jackson
Covestro UK

Mike Boswell
Plastribution

Steve Bright
Nexeo Solutions Plastics UK

**ADDITIVES SUPPLIERS & SPECIALIST COMPOUNDERS**
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Baerlocher UK

John Steadman
Aquapurge

Karen O’Dwyer
Gabriel-Chemie UK

**PROCESSORS**
Brent Nicholls
Wavin

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Vice-President, BPF Bericap UK

Carl Reeve
Data Plastics

Martin Hitchin
Rehau

Colin Sarson
WHS Plastics

Danilo Olynik
Schoeller Allibert

David Hall
Polypipe Group

Huw Radley
Solent Composite Systems

Jason Crump
Tarkett

Karen Drinkwater
JSC Rotational Moulding

Martin Althorpe
Epwin Group

Peter Law
Peak Plastics

Phil Maddox
Leafield Environmental

Stephen Mancey
Logoplaste

David Duffield
M&H Group (RPC)

**EQUIPMENT**
Chris Francis
Meech International

Mike Jordan
Summit Systems

**RECYCLING**
Roger Baynham
Philip Tyler Polymers

**REPRESENTATIVES**
Terry McCormack
PlasticsEurope (Basell UK)

**HON. TREASURER**
Paul F. Jukes

**EX OFFICIO MEMBERS**
Philip K. Law
Director-General

Darren Muir
Finance & Administration Director / Federation Secretary

Stephen Hunt
Membership Services Director
In Europe, ONLY 3% OF ALL PRODUCTS delivered to customers are spoilt during transport thanks to packaging – compared to 50% in developing countries.

The shelf-life of beef can be EXTENDED BY 5–10 DAYS when using the most advanced plastics packaging solution.

Wrapping a cucumber in plastic film extends its shelf-life to up to 14 DAYS.

Wrapping bananas in a modified atmosphere bag extends shelf-life by 2–3 DAYS.

To replace all the plastic bags being used in the EU with paper ones in one year, you would need to cut down an additional 2.2 MILLION TREES which would prevent 2,188 metric tonnes of carbon being absorbed by the trees.

Compared to traditional building bricks, plastic building blocks emit 95% LESS CO₂.

The production of 1kg cheese results in a CO₂ impact equivalent of 11kg, which is almost 6 TIMES BIGGER than the CO₂ impact equivalent of 1kg PVC.

The production of 1kg cheese results in a CO₂ impact equivalent of 11kg, which is almost 6 TIMES BIGGER than the CO₂ impact equivalent of 1kg PVC.

Recycling just one plastic bottle saves enough energy to power a 60W light bulb for 6 HOURS.

Officials in Los Angeles recently released 96 million plastic balls into the 75-acre Los Angeles Reservoir in hopes of preventing 300 MILLION GALLONS of water from evaporating each year.

Plastic pipes have the lowest overall failure rate when compared to other materials and are designed to last more than 100 YEARS.