



Rotherwick House
3 Thomas More Street
London E1W 1YZ

beama.org.uk



ACTIVITY UPDATE

2019

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Introduction

In my introduction to the 2018 review, I reported on the active political discussions on BREXIT, energy and climate change and building safety. Well there have been quite different levels of progress on each of these! Climate change is now a central political issue, leading BEAMA to publish an industry commitment to meet the 2050 target and our net zero report. It would be fair to say that on BREXIT, no progress has been made at all! However, BEAMA has continued to work with other Trade Bodies and the Government to highlight industry concerns and issues. This work will continue into 2020 and beyond. The Government's plans for building safety have developed, but firm plans have been delayed due to officials working on BREXIT. We fully expect plans to be published early in 2020.

The wide range of activities BEAMA have initiated on behalf of the membership, many linked to these 'Big Themes' are outlined in this review. I am personally very proud of all the BEAMA staff and the progress they have made across a number of very important themes.

BEAMA is providing leadership within Government on a ever wider range of issues: the future building standards under building regulations, electric vehicle infrastructure, demand side response, energy smart appliances, energy storage, roll out of smart metering, the future of heat roadmap and on the introduction of the EPBD into both Commercial and Residential buildings. All key policy areas for Government and industry. Compliance with

product standards remains high on our agenda, with plans for an expansion of activity in 2020 in line with expected Government announcements.

Networks members have been working with BEAMA to highlight the necessity for infrastructure improvements to deliver zero carbon energy production, and the opportunities to use BEAMA members' solutions. Network flexibility and smart systems key to these futures.

BEAMA has seen increased collaboration from different parts of the membership and the sectors we cover, linking heat pumps, smart metering, storage, local networks and building electrical systems. We see BEAMA facilitating more of these interactions into 2020.

I look forward to working with you all into 2020.



Dr Howard Porter
BEAMA CEO



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Policy

Ensuring our members have a strong voice across Government

BEAMA's central policy team works with all BEAMA portfolios to feed in member views on a range of policy agendas critical to the industry. Policy areas include Energy, Transport, Environment, Waste, Cybersecurity, Building and Wiring Regulations and Trade.



BEAMA participate in a range of All Party Parliamentary Groups

- Healthy Homes and Air Pollution
- Home Electrical Safety
- Energy Costs
- Energy Studies
- Electric and Automated Vehicles
- Environment

BEAMA's influence and involvement in Government departments in the development of new policy and regulation has grown considerably in the past few years, and we hold a number of key advisory roles within Government that ensure our members are well represented on current areas of development.

Most notably this year we hold representation on:

- BEIS Future of Heat Advisory Group
- BEIS OLEV Smart Appliance Advisory Group
- Electric Vehicle Energy Task Force Steering Group
- SAP 10 and 11 working groups
- Building Regulations Advisory Committee working groups
- Welsh Building Regulations working groups
- REACH cross sector group
- Mayor of London's EV Infrastructure Taskforce
- Energy Storage Health & Safety Governance Group

In addition to advisory roles we hold within Government departments this year BEAMA has responded to over 50 consultations. Our online presence has also grown to ensure we can continue to deliver effective campaigns on behalf of our members.

Key consultations this year have included:

- MHCLG Future Homes Standard – Parts L and F
- MHCLG Building a Safer Future
- EU Cyber Security Act
- DCMS Secure by Design Code of practice
- Ofgem RII02
- BEIS Ofgem flexible responsive retail markets
- Ofgem Targeted Charging Review
- DEFRA Extended Producer responsibility for plastic packaging
- DEFRA plastic packaging tax
- Environmental Audit Committee Inquiry – E Waste and Circular Economy
- Automated and Electric Vehicles Act, smart charging and EV Building Regulation
- Fuel Poverty Strategy
- ECO3
- Scottish and Welsh Heat and Energy Strategies

Our voice is strengthened by our work with other key organisations



Standards Development

BEAMA remains one of the leading nominating organisations to BSI with BEAMA members serving on upwards of 200 standards committees (National, European and International).



We hold membership of many key EU Trade Associations

Our membership of these organisation will remain post Brexit and ensure an important link for UK industry into the development of EU policy and regulation.



Brexit

BEAMA continue to lobby Government to avoid a no-deal Brexit and maintain a business-friendly trade partnership with the European Union, working individually for our members and in concert with EURIS and Orgalim.

This involved periods of intensive engagement as two no-deal Brexit deadlines approached and were passed with extensions to the Article 50 period. We have had success (so far) in the avoidance of no-deal. Regrettably the approaches of a 'common rulebook' for product regulation and a partnership for customs facilitation that had been part of the Withdrawal Agreement, due to the lobbying of business organisations including BEAMA and EURIS, have been watered down or moved into the non-binding political declaration. This means that our work to avoid regulatory divergence and customs costs & delays will continue past any ratification of the Withdrawal Agreement and on to future trade negotiations with the EU.

In addition to multiple meetings with BEIS and DExEU on Brexit we have had further lengthy engagement with the DIT on potential future trade agreements with other countries and markets meaning that our efforts to show current issues of non-tariff barriers and defend the position of genuine international standardisation continue and intensify.

During the year we had multiple meetings and correspondence at Ministerial and Secretary of State level. BEAMA staff hosted or attended well over 50 meetings with civil servants to present our members' concerns and seek information as to the consequences of Government decisions. We have also maintained a unified approach with our trade association colleagues within Orgalim and other European organisations to reflect the integrated nature of our industry.

BREXIT WATCH

BEAMA has been producing 'Brexit Watch' for EURIS since the referendum result in 2016 and this provides a useful record of the impact Brexit has had on UK manufacturing, currency, employment and UK investment.

The Brexit Watch report monitors the short-term UK macroeconomic indicators to assess the impact of the UK decisions to leave the EU on the UK economy. The emphasis of this report is to monitor what has happened as opposed to what will happen. All the data with exception to exchange rates and OECD Composite indicator come from the Office for National Statistics (ONS).



BEAMA members can download the full report by logging into the members area of the BEAMA website.

For more information contact:
Emmanuel Amoakohene – emmanuel.amoakohene@beama.org.uk

BEAMA Industry Campaigns

Net-Zero by Design

25 BEAMA members signed the first sector commitment to the UK Net-Zero by 2050 target in September 2019. This launched a significant report and ongoing campaign to establish a robust and clear long term regulatory framework in the market to help drive investment into key sectors known to be critical for the transition to net-zero – low carbon heat, energy systems, storage, electric vehicle infrastructure.



www.beama.org.uk/resource-library/net-zero-by-design.html

‘A long-term target – even one in legislation – is not sufficient to provide the confidence needed in the market. It is essential to have clear, strong, effective policies’.

Committee on Climate Change, 2019

My Health my Home

This year the Ventilation Group continued to drive indoor air quality up the political agenda. The group, which sponsors the Healthy Homes and Buildings All-Party Parliamentary Group (APPG), took part in a milestone meeting with the then Housing Minister Kit Malthouse. Chair of the Ventilation Group, Keith Ritchie, was one of the three panellists to question the Minister about indoor air quality related matters. The meeting followed a successful Parliamentary debate on ‘unhealthy homes’ in which BEAMA provided political briefings to MPs and the Government recognised the importance of ventilation in ensuring healthy home air quality. For the first time, the group is also sponsoring the Air Pollution APPG, which is chaired by Geraint Davies MP, one of the strongest advocates for better air quality in Parliament.

In June, BEAMA hosted academics and industry representatives at the UK Indoor Environments Group conference, welcoming a record number of delegates. The conference saw keynote speeches from the Ministry of Housing, Communities and Local Government and one of the UK’s leading

authorities on indoor air quality, Professor Stephen Holgate. Professor Holgate is soon to publish landmark research into the impact of indoor air quality on child health which BEAMA has part-funded. As a major stakeholder in the indoor air quality field, the group has also contributed to a number of key policy consultations, including the development of new guidelines for indoor air quality at home by the National Institute of Health and Care Excellence and the ongoing review of Part F of the Building Regulations.



Creating a fit for purpose supply chain for critical national infrastructure

THE CHALLENGE

The UK has ambitious plans to de-carbonise the energy system by 2050 with specific focus on transforming our ageing electricity transmission and distribution infrastructure into a smart, low carbon electricity system. These plans will facilitate the delivery of a smart grid, enable the UK to meet carbon targets and allow the decarbonisation of energy, transport (electric vehicles) and in the longer-term heat. With the switch to low carbon generation underway, increasing uptake of electric vehicles and longer-term shifts to electric heating, it is essential that we have a fit for purpose electricity system to ensure reliability of supply, high levels of customer experience, the economic benefits this will bring and an environment where low carbon technologies can connect and reach the levels required to decarbonise energy and transport use. Our electricity system is critical national infrastructure and it plays a fundamental role in every day life. It is vital that these new challenges are acknowledged and addressed in a way that is best for the consumer and the UK as a whole.

In order to achieve this, it is vital Government works with industry to deliver a fit for purpose supply chain and that appropriate mechanisms are put in place to ensure this. There is an important enabling role that an improved electricity network can play in facilitating faster decarbonisation, technology adoption and enhanced customer experiences and savings. BEAMA Networks is ready to work with Government to deliver this. We have the solutions and the expertise to ensure the future delivery of green clean electricity.

CALL TO ACTION

BEAMA Networks is calling for:

- **Government and Ofgem to work with industry to develop clear supply chain.**
- **Government and Ofgem to provide certainty for investment, industry and supply chain.**
- **An open call for solutions for the highest priority issues for network development, with a neutral body announcing the winning bids.**
- **Government and Ofgem to create an environment where successful innovation is promoted, scaled and appropriately rewarded.**

Water Softeners

BEAMA created five guides to encourage installers to fit water softeners, to become a ‘homeowners’ hero’ and to encourage customers to ask for them. This campaign involved:

- Working with members to create the guides – accurate, relevant copy was written which was crafted with installers in mind
- Designing the guides while carefully following BEAMA’s brand guidelines
- Drafting content for the web page and uploading the guides
- Securing three features in key heating and plumbing trade titles (PHPI, Installer, HPM) to promote awareness of the guides
- Promoting the guides via social media in order to encourage traffic to the web page/encourage downloads
- Issuing a press release to key media announcing the launch of the guides, including a link back to the web page – making it easy for users to view the page and content



- Working with industry influencers to supply water softener samples for the influencers to install and share images/videos of the installation via social media – the installers are yet to upload their posts, and we anticipate more traffic to the site when they do

The campaign has driven an increasing amount of traffic to the BEAMA website, with particular interest in water softeners and the issues created by hard water. The campaign aims to continue to raise awareness of the need for water softeners.

Business Development

Digitalisation

2019 has seen a significant evolution of BEAMA's digitalisation workstream. In 2014 BEAMA set up the BIM4BEAMA group which has engaged successfully with other stakeholders, such as CIBSE DSE, the CPA, UK BIM Alliance and BSI, and been active in the development of Product Data Templates (PDTs).

Product digitalisation is now moving ahead with CEN and ISO taking the lead in standardisation, much of their work based on UK developments. The Government has established the Centre for the Digital Built Environment (CDBE) which is pushing ahead to promote the development of Digital Twins and take BIM beyond buildings to wider areas such as infrastructure. To reflect this development, BEAMA has re-launched BIM4BEAMA as the Digital Transformation Strategy Forum (DTSF), mirroring our Energy Systems Strategy Forum, which is also addressing fundamental horizontal transformations affecting member products and services. The DTSF will press ahead with the work developing PDTs

and will engage at all levels of standardisation. The DTSF will be ready to address further developments including the digitalisation of product information, such as LVD documentation, the golden thread of data and the widening scope of BIM to include operational and end of life data.

Alongside all of this work, BEAMA has also been active developing our position on cyber security. BEAMA has established a Cyber Security Interest Group for members and has formed links with DCMS, NCSC, BSI BEIS and OLEV. Additionally, we are actively involved with T&D Europe, Orgalim and Applia.

New Members join the Association

We have been delighted to welcome the following new members into BEAMA during the year.

Verplas

Slaters Electricals

CMP Products

QuartzElec

ChargePoint Networks

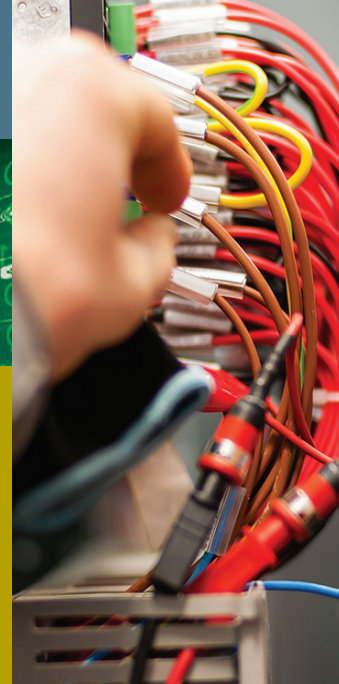
S&C Electric

Tepeo



Compliance Services and Anti-Counterfeit Working Group

- Seized over 250,000 IP-infringing and potentially dangerous counterfeit electrical products in China, the Middle East and Africa
- Continued to foster close links with other organisations committed to the eradication of counterfeit products, such as the IP Crime Group, The Anti-Counterfeit Group, UKIPO, CTSI
- Developed and delivered a Communications Programme warning of the dangers of importing non-compliant and counterfeit products through seminars, workshops and publications in the UK and Middle East
- Initiated a partnership agreement with an International Total Quality Assurance Provider, and a Primary Authority coordinated partnership with an award-winning Trading Standards Office in preparation for a National Launch of the BEAMA Compliance Services benefits package in Spring 2020



BEAMA Issues forum

The BEAMA Issues Forum serves as a one stop shop, accessible by all members, for updates on the latest developments across the range of directives, regulations, policies and strategic standards that BEAMA engages with. This includes UK, EU and international issues. The Issues Forum, as a central means of communication, allows members to engage with a wide range of issues including but not limited to Circular Economy, RoHS, REACH, WEEE, Ecodesign, Trade, Electrical Safety, BIM, Building Regulations and SmartCE. As information is retained in chronological order, the Issues Forum serves as a valuable repository for members to consult as and when necessary.

If you or a colleague would like to gain access to the issues forum please contact:

Charlie May, Marketing Manager
charlie.may@beama.org.uk

Member Webinars

Throughout 2019 BEAMA has started to run regular webinars to help keep BEAMA members informed of cross industry research, policy and market changes. These have proven to be a great way to engage member companies in the work we do.

If you would like to find out more information about our webinars or access past content and recordings, log into the members area of the BEAMA website or contact:

BEAMA Director of Policy and Marketing
yselkla.farmer@beama.org.uk



The Heating & Ventilation Portfolio

The Heating and Ventilation Portfolio within BEAMA represents manufacturers and suppliers of equipment for environmental systems within buildings; delivering effective, efficient and low carbon technologies to provide a safe, healthy and comfortable environment for occupants.

The groups within this portfolio are Domestic Heat Pumps, Electric Heating & Hot Water, Heating Controls, Underfloor Heating, Ventilation, Water Safety & Hygiene, Water Softeners, and Water Treatment. This year we added a new group covering Building Automation and Control Systems for non-residential buildings and were delighted to welcome a number of new members to the portfolio groups; Eaton, Green Energy Options, Legrand, Steibel Eltron, Trend and Verplas,

A key strategic challenge for these groups is the decarbonisation of heat as a major element of the UK's move towards net zero emissions. We continue to ensure that members are fully up to speed on the timeline and implications of this, and that BEAMA is fully engaged with Government to represent the views and needs of the H&V sector. Our H&V plenary event in June allowed members to debate direction and policy with representatives from BEIS, the Committee on Climate Change, and BRE, and we have recently held detailed briefings on the Future Homes Standard consultation which represents a first concrete step on the journey to decarbonisation.

Avoiding increased problems of poor indoor air quality as a result of higher building efficiency standards remains a focus for the Ventilation group and is part of a wider BEAMA drive towards health and safety for building occupants. Increasing work with members on product compliance, following the outcomes of the Hackitt report, will ensure that our members continue to demonstrate the highest standards for their products, and is consistent with

Strong links and membership of related European associations ensures that the H & V portfolio members have a strong voice in the development of EU policy and regulations. This year BEAMA has had meetings with the European Commission and their consultants on a number of areas including the development of Ecodesign Lot 38 (Building Automation and Control Systems) and the review of Lot 1 (Space Heaters.) With the UK due to leave the European Union these links will continue to be essential for UK industry as EU regulations will apply to any products exported to the EU and are likely to be adopted or mirrored by the UK Government.

our ongoing push for a level playing field through better compliance and enforcement of regulations. At the same time, we are helping members be at the forefront of the future development of products, with H&V portfolio members attending a workshop with BSI on the development of standards for interoperability of smart appliances.



Positive outcomes achieved from the portfolio over the past year.

- **The Water Treatment group** led the revision of BS 7593, the code of practice for the preparation, commissioning and maintenance of domestic central heating and cooling water systems. The group is now working to include the updated standard as part of the Building Regulations guidance on heating systems.
- After several years of work by the **Heat Pump group** on the recognition of European product certification schemes as part of MCS and the Renewable Heat Incentive, MCS finally introduced the Heat Pump Keymark and Eurovent Certita schemes as routes for product certification, avoiding duplication and reducing costs of heat pump installations.
- **The Underfloor Heating group** has long held the belief that an industry recognised registration of competent underfloor heating installers would provide a trusted base for consumers to select an installer. Giving consumers this confidence in their installer will enhance the industry reputation and result in greater end user satisfaction. The group has been working with the government Trustmark scheme to select an appropriate scheme provider.
- **The Heating Controls group** commissioned independent research on the energy savings from thermostatic radiator valves (TRVs) which will lead to a changed savings value in the SAP calculation methodology and, in conjunction with European Associations, lead to the new Energy Performance of Buildings Requirement for individual room temperature controls to be installed with new and replacement boilers.
- **The Water Softeners group** embarked on a marketing campaign to raise awareness of the positive benefits of using water softeners and dispelling some of the myths that surround them. The campaign included producing guides to installing, selling and using softeners, editorial releases and working with industry social media bloggers to spread the messages. The campaign is set to continue through next year.
- **Guidelines have been published** by the National Institute for Health and Care Excellence, a body whose guidelines are widely recognised as the gold standard in clinical advice, on 'indoor air quality at home.' The Ventilation group contributed to the development of this and will be distributing a guide to around 20,000 GPs.
- **The WaSH group** has updated and re-released the guide to thermostatic mixing valves. The guide examines the need for fitting TMVs with statistics on scalding and legionella cases and gives application advice on fitting and servicing valves.
- **The Ventilation group** was deeply involved in the development of PAS 2035, the standard for energy efficiency retrofit in dwellings, which was published in June this year. The group ensured ventilation is a central part of domestic retrofit and that the proposed ventilation solutions are practical and deliverable.
- **The Electric Heating and Hot Water group** has revised DOM 8, the guide for the design of electric space heating systems. This is a key guidance document which is widely used in industry, including as a means to prove design compliance in the Energy Company Obligation scheme.
- **The WaSH group** has led a cooperation with other industry associations and test facilities to discuss and address some of the issues holding back and affecting manufacturers of drinking water products. The issues addressed include stifling innovation and barriers to trade involving interpretation and changing of test procedures.
- **BEAMA is providing chairmanship** on behalf of BEIS for working groups looking at the next version of the SAP energy performance methodology (SAP 11) and, in particular, the inclusion of smart controls, DSR technologies, and indoor air quality. Members are involved in these groups as well as others on hot water technologies and energy storage.
- **With the consultation** on Part L and Part F of the Building Regulations commencing in 2019, BEAMA has been invited onto Building Regulations Advisory Committee (BRAC) working groups for new dwellings, existing dwellings and non-residential buildings for England and a part L and Part F working group for Wales.
- **BEIS invited BEAMA** to join a new "Heat Policy Roadmap Advisory Group" they are setting up to provide 'advice, insight and challenge' to help BEIS develop their future thinking on heat decarbonisation.

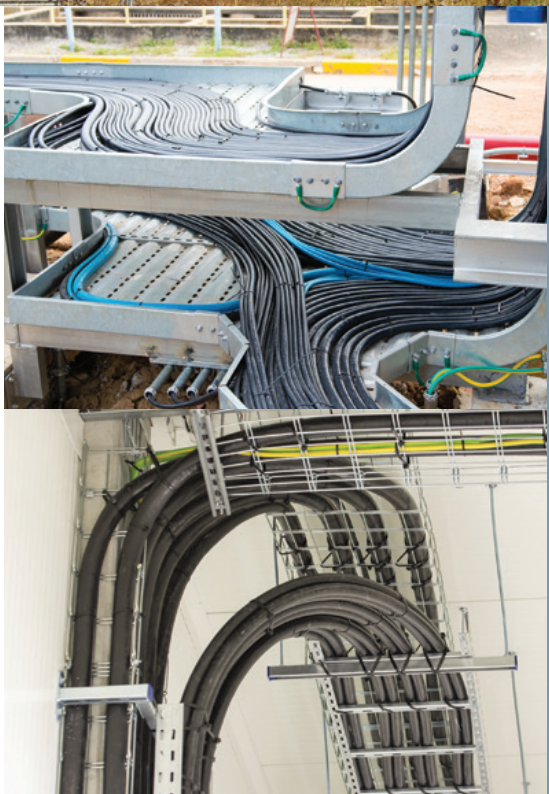
The Building Electrical Systems Portfolio

The Building Electrical Systems portfolio (BES) comprises Cable Management Systems, House Service Cut-outs, Circuit Protection Devices, Enclosure Systems, including domestic consumer units, distribution boards and panel boards, LV Distribution Switchboards, Feeder Pillars, Busbar Trunking and Switch and Fuse-gear.



The portfolio is focused on supporting the development and maintenance of product standards at UK, EU and International level via our active and experienced technical committees. BEAMA is also represented at JPEL/64, Electrical Installations of Buildings, which is the joint IET/BSI technical committee responsible for the maintenance and development of the UK wiring regulations. The groups provide regular responses to government requests for support and consultations on subjects such as improving electrical safety.

Member companies are also working together across industry to support the implementation of digitalisation projects in the UK such as Building Information Modelling (BIM).



Positive outcomes achieved from the portfolio over the past year:

- **Standards Activity**

- Ongoing development at IEC level of the IEC 61439 series
- Revision to the IEC 60947 series
- New project on general technical requirements for Intelligent Assemblies
- Development of a new international standard for passive infra-red detectors for presence and motion detection
- Development of a new international standard for particular requirements for socket-outlets incorporating USB power supply

- **Wiring Regulations**

- BEAMA via JPEL/64 has influenced changes contained in amendment 1 BS7671 Wiring Regulations which will be released in 2020 and will include updates to Electric Vehicle Charging Installations. The group is currently working on amendment 2 which will be a fuller amendment taking into consideration latest developments at IEC and CENELEC.

- **Building Regulations**

- BES members are actively involved in the current round of consultations relating to Building Regulations including Part L.

- **Building a Safer Future Government Consultation**

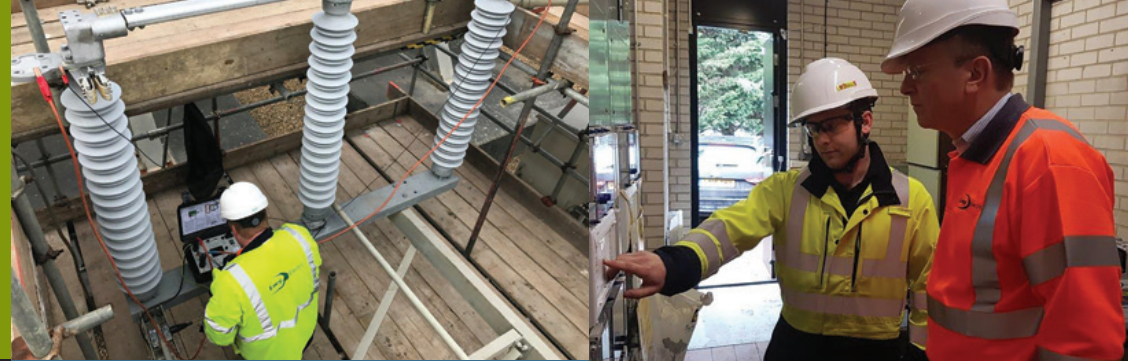
- Each BES group submitted its plans in early 2019 as part of a Government request for industry engagement. BEAMA has participated in the consultation and is actively engaging with Government.

- **BEAMA Publications**

- Why Low-Voltage Switchgear and Controlgear Assemblies must comply with BS EN 61439 Series produced
- Safe Selection of Devices for Installation in Assemblies
- RCD Handbook updated
- AFDD Guide updated
- Consumer Unit Product Safety checklist

The Networks Portfolio

The Networks portfolio covers BEAMA manufacturers and providers of products for the Transmission & Distribution sector, including transformers, switchgear and network protection as well as storage, smart grids and cybersecurity. Networks also covers related products and technology used in the commercial, industrial and oil and gas sectors.



In 2019/20 the ESSF will lead on a number of new reports in the *Electrification by Design Series*, focussing on the following key topics:

- Cyber Security
- Digitalisation
- Grid Edge Flexibility
- Localised Energy and Microgrids
- Energy System Transformation

These papers will be sponsored and supported by membership of the ESSF. If you'd like to know more or get involved, please contact BEAMA Head of Networks.

The Networks Portfolio provides both proactive and reactive activities as agreed with members in the annual work programme. This includes technical services, publication of Industry White Papers, representation with other stakeholders and full engagement with all relevant BSI Standardisation Committees.

Networks is well connected with BEIS, Ofgem, ENA, National Grid and Distribution Network Operators. Recently it has been working with members on the BEAMA Networks Campaign on Supply Chain and is also representing our members on the development of RII02.

The BEAMA Energy Systems Strategy Forum (ESSF) is included within the Networks membership and has been established to provide thought leadership for other BEAMA groups on the role of technology in the transformation of the UK energy systems.



BEAMA Networks Campaign – Enabling a Supply Chain for Critical National Infrastructure

For Government and industry ambitions to be realised, and to ensure a fit for purpose supply chain is created that is ready to meet the needs of UK consumers, it is essential that both the right relationship with the supply chain is created as well as an environment where technology manufacturers can flourish, creating jobs and investment into the UK economy.

BEAMA Networks is calling for:

- **Government and Ofgem to work with industry to develop clear supply chain strategies** and recognise the importance of the UK supply chain. The UK energy system is at a high transition period, there is a need for enhanced supply chain engagement and supply chain planning.

- **Government and Ofgem to provide certainty for investment, industry and supply chain.** A level of certainty is required to allow network product providers to invest in people and places for the benefit of the UK economy.
- **An open call for solutions for the highest priority issues for network development, with a neutral body announcing the winning bids.** There is a need to stimulate competition and drive collaboration as reliance on third party innovation and skills increases.
- **Government and Ofgem to create an environment where successful innovation is promoted, scaled and appropriately rewarded.** This will drive greater penetration of innovation and associated cost savings into network operator businesses and the UK electricity system.

The Flexible Energy Systems Portfolio

The FES portfolio focus has been on how buildings and other infrastructure can deliver a flexible energy system that provides the services such as heat and transport that people need at the times they need them, while managing the growing intermittency of supply that comes with the increasing levels of renewable generation.



Together with Networks product groups, the Flexible Energy Systems sector has led work to build on BEAMA's Electrification by Design series by applying our thought leadership in the areas of smart homes, energy storage, and the electrification of transport to wider strategic concerns of Net-Zero carbon, safety, cyber security, consumer engagement and the design of the energy system.

Over the last year we have expanded the work of the Metering Solutions and Consumer Energy Data groups to take account of the growing importance of energy data. The twin challenges for the future will be to agree cyber security arrangements that protect consumer privacy and system security and to maximise the consumer and system benefits of smart energy data. This year has seen the first SMDA device approvals, and BEAMA has continued to give manufacturers a strong voice in the final technical and testing hurdles to the rollout of SMETS2 at volume.

Our close involvement with the EV Energy Taskforce and the Mayor of London's EV Infrastructure Taskforce demonstrates our increasing focus on the electrification of road transport.

We are now taking a leading role in the development of the UK Demand Side Response and Smart Appliance Specification which will form the basis for forthcoming UK legislation outlining the commercial and technical requirements for smart appliances in the UK market. BEAMA sit on the Government advisory group for this work as well as the BSI technical committees ensuring our members have input into this crucial piece of work.



Positive outcomes achieved in the sector this year:

- Continued our support for the IHD mandate by publishing independent qualitative research into consumer use and experience of real-time energy displays.
- Broadened the activities of the Metering Solutions Group to represent the supply chain and services in relation to non-SMETS smart metering;
- Built on the thought leadership in our *Electrification by Design* series with conference presentations, consultation responses and liaison with industry colleagues such as the ES Catapult and fellow associations;
- Overseen the commencement of SMDA testing and assurance and given meter manufacturers a strong voice in the final technical and testing hurdles to volume rollout;
- Hosted a symposium on future proofing EV infrastructure and provided strategic direction to the London's EV Infrastructure Delivery Plan, published in June 2019;
- Led work by the EV Energy Taskforce, due to publish shortly, especially Work Package 3;
- Contributed to BEIS/OLEV consultations on smart charging
- Launched plans for a national register of installed energy storage assets
- Joined the new Orgalim Sustainable Mobility policy group