

# IN-SIGHT

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## What's inside



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### The EV Revolution

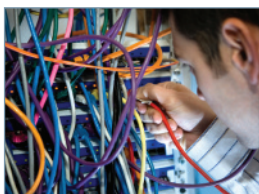
In December 2017 BEAMA published a report, *Electrification by Design*, exploring simple policy and market mechanisms to promote deployment of low-carbon electric systems. In June we published the third of these, *Electrifying Road Transport*, to identify how to maximise the benefits of electric vehicles and support electricity system flexibility.



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### Cyber security

BEAMA's work on cyber security has grown considerably over recent years due to the transformative change this is likely to have on many, if not all BEAMA product sectors.



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### The 18th Edition Wiring Regulations

Requirements for Electrical Installations BS7671:2018 (IET Wiring Regulations 18th Edition). Published in July by the BSI & IET, this is the national standard to which all electrical installations should conform.

## BREXIT

Securing a competitive UK manufacturing industry post Brexit, emphasising the risk of no-deal and reporting on the most detailed supply chain survey ever undertaken, visit page 8 to find out more and further updates on BEAMA's activity relating to Brexit.

## UPCOMING EXHIBITIONS:

**Low Carbon Networks & Innovation Conference**  
16th-17th October

**Middle East Electricity**  
5th-7th March 2019

For more information visit  
[www.beama.org.uk/events.html](http://www.beama.org.uk/events.html)



# THE PRESIDENT'S OVERVIEW



Patrick Caiger-Smith,  
BEAMA President.

It is now 9 months since I took over as president – and what an interesting 9 months it has been in the political world! The future of our industry is certainly a relevant and exciting theme. The move towards a low carbon and digital electrical world is gathering pace, and I am pleased to report that BEAMA is at the forefront of advanced discussions with Government, and other stakeholders. The Government policy direction is encouraging, but implementation is very uncertain, in particular the role of BEAMA members. I, together with the immediate past president Rodney Turtle, have established a senior group of company CEOs developing plans with the Government and other stakeholders.

The other big political theme, BREXIT, is for most BEAMA members not so interesting or exciting! However, BEAMA still leads the ever more important EURIS Task Force, now expanded to some 13 Trade bodies, with a market turnover of £148bn, and employing 1.1 million in the UK. On the 11/12th of September Howard Porter led a session in the House of Lords with speeches from 2 members of this House and the Chief Executives of Schneider, Lucy and Rockwell. In addition, I was delighted to add my name to a list of 150 companies signing a letter from Dr Porter to Theresa May outlining the dangers of a 'No deal' in March next year.

**I certainly look forward to leading BEAMA in these 2 vital areas for the future of our industry.**

## CEO UPDATE



Howard Porter,  
Chief Executive

As I look back over the 20 years I have been at BEAMA – yes 20 years! – the organisation has changed out of all recognition. The themes we are now dealing with, as commented on by Patrick, are a world away from the high carbon analogue work of 1998. Although I went to a speech on climate change by the then Prime Minister Tony Blair that year, there was no real political will behind the rhetoric. Energy efficiency was the theme for some BEAMA members – heating controls – but it was not the major agenda it has become for much of our membership today. The long and drawn out ECO regulations were not even on the drawing board, and the WEEE directive was still to be written!

Our relationship with the EU was getting to grips with the business opportunities through the Single Market agreed some 5 years earlier, and the UK attitudes and liberal market policies were very much influencing our European partners. It would be interesting to know what a business leader in 1998 would think of BREXIT as we look towards the 2019 exit.

The digital work was just getting started: the Nokia 5110 had just been launched, and it was 9 years before the unveiling of the Iphone. Connected homes, smart grids, renewables were all themes for Research PhDs.

**Who knows what the next 20 years will bring, but it unlikely that I will be writing the CEO piece in 2038!**



# EYE ON WESTMINSTER

Looking back over the 6 months since the last In-sight I was reminded that, with members' help, BEAMA comprehensively responds to at least one major UK consultation every month. Coupled with just as many Government responses to consultations and new strategy documents, it is evident that Brexit (though a great influence on all Government work) is not the only issue keeping Westminster (and devolved administrations) busy. To some extent this is due to Government tying itself to meeting its own objectives, and much of its activity has been adding some flesh to the bones of its overarching strategies such as the Industrial Strategy and Clean Growth Plan – as well as responding to political 'events'.

Building and product safety continues to be a prominent theme with an impact on all BEAMA members. The Independent Hackitt Review into Fire Safety and Building Regulations was published as a scathing overview of the lack of control and process in ensuring building safety. The full Government response is due in November, but we

understand from senior staff at the Ministry that while lots of departmental resource is going into reviewing safety concerns, plans for increased market surveillance and oversight may well focus on construction materials rather than all building services. However, the Office for Product Safety and Standards' newly released strategy does pledge an increase in market surveillance more generally – the thrust of the strategy is basically to 'do more' on safety. It also confirmed EU product safety directives will move into UK law.

We have also seen a pledge from MHCLG to introduce mandatory five-yearly inspections of electrical installations in the private rented sector, something BEAMA has argued for many years. We hope this will create awareness and action in other building sectors too, including in off-site manufacturing which the Government is very keen on.

On energy policy we have pushed the case for an improved energy system that allows consumers to access the benefits of BEAMA-type products, including through changes to market design and incentives and looking to

the future of a more integrated and efficient grid. We have promoted this vision and product-specific considerations in our responses to consultations on ECO, Heat in Buildings, Smart Appliances and Clean Air.

We now expect a Building Regulations consultation early next year, so over the next few months I will gather members' views and produce a consolidated BEAMA position so we can maximise our influence.



Yselkla Farmer Head of Policy and Marketing and Simon Harpin Policy Manager



## EYE ON BRUSSELS

After the summer break Brussels is open for business again, and we are picking up where we left off. With Brexit negotiations hotting up in the Autumn BEAMA are making all efforts to ensure close engagement with our EU Trade Associations and ongoing work. So, I am back on the Eurostar! From a policy perspective there are some big items coming through, notably the Cyber Security Act which is now entering trialogue. The agreed EU Parliament amendments for the Act were not in favor of our position, and the risk of 3rd party certification coming through for lower risk products is very prevalent. BEAMA and Gambica have made our positions clear on this to UK MP Margot James, and will continue to engage at an EU and UK level on this agenda.

In other news, the compliance deadline for WEEE Open Scope and the Energy Labelling Database is fast approaching in January 2019,

and we continue to engage with the development work for the database which is criticised for being delayed. The approval of the Energy Efficiency Directive and with it a revised primary energy factor of 2.1, and the publication of the Energy Performance of Buildings Directive, has now turned our attention to UK implementation. These are important areas of EU regulation for BEAMA member products, and now published in the official Journal prior to our exit date from the EU we expect full UK transposition.

The work on creating a methodology for a Smart Readiness Indicator for buildings, as outlined in the EPBD, is not complete and the final report is available on the BEAMA Issues Forum. We understand the Commission is continuing the second phase of this work in view of adoption. There is a lot to be said for this indicator and its role in facilitating storage and flexibility markets, but will such a complex

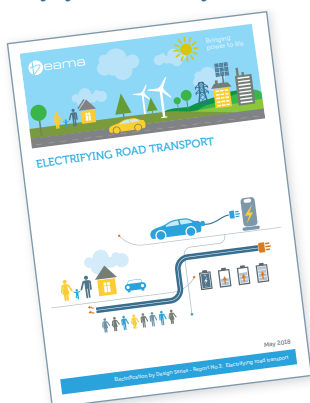
methodology be adopted by my members states under a voluntary measure? I am not sure it will without some significant changes.

BEAMA are working closely with our EU colleagues to find a sensible resolution to the U.S steel and aluminum tariff issue, discovering the impact is far wider than previously understood. And we are continuing our work on the ePrivacy Regulation, the European Commission GHG emission Reduction Strategy, Eco Design lot reviews, Drinking Water Directive, and oversight of substance and materials regulation including REACH and RoHS.

Yselkla Farmer, Head of Policy and Marketing

# ELECTRIFYING ROAD TRANSPORT: MARKET DESIGN AND THE EV REVOLUTION

In December 2017 BEAMA published a report, *Electrification by Design*, exploring simple policy and market mechanisms to promote deployment of low-carbon electric systems. Since then we have embarked on a series of publications to consider elements of the system in more detail. In June we published the third of these, *Electrifying Road Transport*, to identify how to maximise the benefits of electric vehicles and support electricity system flexibility.



The Government's target is that by 2050 almost all vehicles on Britain's roads will be Ultra Low Emission Vehicles (ULEVs). A 2040 moratorium on sales of new petrol or diesel vehicles will help to achieve this, but we expect the market to be a more important agent for change than Government, with the ambition of vehicle manufacturers and consumer interest in EVs to play an even greater role than regulation. This revolution in road transport will have significant implications for our electricity supply. Flexible approaches to network management, charging and consumer offerings, along with new solutions and technologies such as smart charging infrastructure, will be essential to efficient, low-carbon transport, security of electricity supply, and customer satisfaction.

The BEAMA Electric Vehicle Infrastructure Group exists to give the supply chain a voice in the strategic, policy and technical decisions that will underpin the development and mass rollout of electric vehicle charge points and associated infrastructure in the coming decades. It also provides a forum for networking, sharing ideas and meeting with other stakeholders involved in the transition to an electrified transport system. We are concerned with market development, finance and the paths to market, the role of the consumer, and the scalability and management of smart data to enable a flexible, decarbonised energy system.

It is therefore timely that BEAMA has recently been invited to join two important policy initiatives, one a national taskforce and the other at city level. The Electric Vehicle Energy Taskforce (EVET), sponsored by BEIS and DfT, will help design secondary legislation to the Automated & Electric Vehicles Act to ensure that Great Britain is ready for and able to exploit the mass take up of EVs.



June also saw the launch of the Mayor of London's Electric Vehicle Infrastructure Taskforce. Accelerating the take up of electric vehicles is critical to improving London's air quality and transitioning to a zero-emission future, and the taskforce will build on the Mayor's transport and environment strategies for London by developing an action plan for a major expansion in charging infrastructure by 2025.

The coming year will be a busy time for policy development. BEAMA is the only organisation representing the infrastructure supply chain to have been invited to join both these important groups. Our members will have an unprecedented opportunity to influence the policy and market development around charging infrastructure.

Some of the most important considerations for the coming year will be:

1. **Links to the advances in data management, consumer services and product development that are enabled by the revolution in smart buildings and networks, to build and support markets in the wider energy services sector and help the supply chain understand and realise the potential for real time data.**
2. **Policy considerations both in the UK and abroad. In a dynamic policy and financial environment, a balance will need to be struck between infrastructure planning and investment at centralised, regional and local levels.**
3. **Understanding the relevant technical standards, protocols and codes of practice. This will be essential for infrastructure companies looking to give their customers confidence in safety, cyber security and interoperability and to reap the full rewards of the connections with energy storage, smart infrastructure, communications and more. BEAMA is providing UK Industry with a direct line into this work so that businesses can understand and influence these developments to build local and export markets. The EU's Energy**

**Performance of Buildings Directive (EPBD) is being Recast and will likely become UK law in early 2020, and it is critical that the supply chain's voice be heard loudly and clearly during this process.**

Most recently BEAMA's CEO attended the World's first zero emission vehicle summit in Birmingham. This highlighted the seriousness of the UK Government as a leader of the zero emission vehicle revolution.

This is an exciting but challenging time for the industry. The availability of smart energy data and other developments will disrupt established and emerging markets and enable new ones, many of them featuring new models for providing energy services to consumers. The environmental and climate change justifications for electrification are clear, but there is also a level of consumer interest, excitement and enthusiasm for electric vehicles that I have never seen before for any similar innovation. Put simply, electric vehicles are an idea whose time has come. Given advice from National Grid and UKPN that they expect to be able to support ambitious plans for road transport electrification, it is up to us to work together to ensure that the physical and services supply chain is similarly ready to enable the electric vehicle revolution.



**Jeremy Yapp**  
Manager, Flexible Energy Systems, BEAMA

# CYBER SECURITY – THE IMPACT ON OUR SECTOR



BEAMA's work on cyber security has grown considerably over recent years due to the transformative change this is likely to have on many, if not all BEAMA product sectors. Some BEAMA groups are providing dedicated resource to get to grips with this, notably the BEAMA Networks Communications and Cyber security Committee and in Flexible Energy Systems the Connected Homes Committee.

So, what does the landscape for policy and regulation in our industry look like today? Of most notable importance is the draft European Cyber security Act which aims to create a common cyber security certification framework. The Act will upgrade the authority of the European Union Agency for Network and Information Security (ENISA) into a permanent EU agency for cyber security. The framework will create a mechanism for harmonized certification schemes for specific product categories, focusing on ICT process, products and services. Any certificates issued under the scheme would be valid across the EU, and it is our understanding that any member state looking to implement their own certification measures would be required to go through ENISA as a means to establish better EU alignment. Smart metering was always flagged by the Commission as an example where this could have been useful, in establishing a more harmonised EU certification framework for the security of metering devices.

The act is nearing the final stages of the regulatory process in Brussels, but it has been subject to criticism from European industry. It is heavily weighted towards the need for third party certification rather than considering standard industry practices of self-certification and assessment, which is often better placed to manage the flexibility needed for cyber security requirements. There is a concern that costly third-party certification will be necessary for products that are arguably not at high risk from security threats, and the value this would hold when

security measures and associated software is so regularly updated. BEAMA and Gambica have written to UK Minister for Digital and the Creative Industries, Margot James, and are continuing to closely engage in the final dialogue stages in Brussels through UK Government and our EU trade associations. Either way we can expect BEAMA products (for IoT, smart appliances, EV charging and networks) to have certification requirements placed on them in the coming years, and as an industry we will need to inform the scope and detailed content of these.

Of course, Brexit calls into question our continued alignment with the EU cyber security regulatory framework, and therefore the alignment of UK/EU certification and testing procedures for products.

'Secure by Design' is a term we are all becoming familiar with and the UK Department for Culture Media and Sport (DCMS) have a growing agenda of work focused on exactly this. DCMS are working on a secure by design code of practice and scoping for a labelling scheme targeting consumer IoT products and smart appliances. At the moment these are proposed as voluntary measures, but in consultation DCMS have been clear that should they not see industry following in line, they would be minded to take more principle regulatory measures. Its early stages in this work and BEAMA are closely engaged at working group level on the proposals.

We might expect that the first sectors to see strict mandatory measures for product design are those related to more critical infrastructure and within heavily regulated sectors. For BEAMA, this will be the transmission and distribution equipment manufacturers. We have already seen clear proposals from the European Commission

Smart Grid Task Force for a cyber security network code, recommending minimum requirements for network infrastructure and corresponding testing and certification. The BEAMA networks communication and cyber committee are keeping a watchful eye on this and its impact on procurement.

I am confident BEAMA have the solid foundations needed to expand our work and ensure our members are well informed on the regulatory pressures stemming from cyber security, as well as the opportunities. Our relationship with DCMS and BEIS is well established, and we have good links to the National Cyber security Centre (NCSC – part of GCHQ), as well as other associations and stakeholders including ENA and Energy UK. Our involvement in the standardisation work is established and we already have some BEAMA member experts nominated at committee level. If BEAMA members have questions about the content of this report or would like to raise anything in terms of the work we should be covering on this please get in touch.



Yselkla Farmer, Head of Policy and Marketing.

# BEAMA ARE SUPPORTING THE ROLLOUT OF THE 18TH EDITION WIRING REGULATIONS

In addition to the now distant memory of the Football World Cup in July, another significant date in our industry's calendar was the publication of , to give it its full title, the Requirements for Electrical Installations BS7671:2018 (IET Wiring Regulations 18th Edition). Published in July by the BSI & IET, this is the national standard to which all electrical installations should conform. This edition will supersede the 17th Edition for all new installations that commence after the 1st January 2019. The only exceptions will apply to existing projects where either the design or the installations were commenced before the end of 2018.

The previous 17th Edition of the Wiring Regulations was released in January 2008 and was updated with three amendments, the latest being Amendment 3 issued in January 2015.

To quote the IET, they are now urging all electrical professionals to ensure they are familiar with the changes before the new requirements come into force from January 2019.

The wiring regulations are maintained and developed by Joint IET/BSI Technical Committee JPEL/64 Electrical Installations of Buildings which is co-ordinated by the IET. JPEL/64 consists of approximately 40 members made up of various groups including government bodies and trade associations including BEAMA. Currently BEAMA is represented on JPEL/64 by five members representing different product areas. The new edition has taken three years to develop.

The reason for the continued development of new editions of the wiring regulations covers several aspects:

- The wiring regulations need to take into account the technical substance of agreements reached at CENELEC level in Harmonized Documents (HD). Where no CENELEC HD exists, IEC level documents are taken into account.
- Consumers are all using more electrical appliances which were perhaps either previously uncommon or have become much more sophisticated resulting in the need to adopt additional safety standards.

- Since the previous edition in 2008 technology advances in terms of smart electrical installations, smart grids, improved energy efficiency and digitalisation have been significant.

The latest edition has been developed to enable our electrical distribution systems to keep pace with the adoption of greater levels of technology.

In terms of the actual product related changes contained within the 18th Edition applicable to BEAMA members there are a number of changes which include the following:

1. A new product to the UK called Arc Fault Detection Devices (AFDD's) has been introduced as recommended for certain applications. In addition to the protection provided by circuit breakers and residual current devices AFDD's provide additional protection against arcing faults and further reduce the risk of fire. AFDD's were introduced many years ago in the US which have a specific risk associated with timber framed buildings. In recent years the merits of these products are increasingly being understood in European markets.
2. A new Regulation within domestic premises requires additional protection for AC final circuits supplying luminaires to be protected by an RCD.
3. A further new requirement relates to Cable Management systems and relates to a significant change to the methods of support of wiring systems. The previous regulation requiring wiring systems to be adequately supported in escape routes now requires these to be adequately supported against their premature collapse in the event of a fire throughout the installation and not just in escape routes.

To coincide with the publication of the 18th Edition of the Wiring Regulations on the 2nd July 2018 BEAMA published a series of Guides and Bulletins. These were promoted at the ECA 18th Edition Roadshow, for which BEAMA were a supporting Industry Partner. An explanation for each guide and bulletin is detailed below with copies available via the BEAMA website.

## 1. Technical Bulletin: Overload protection of an RCCB or switch in an LV assembly to BS EN 61439-3.

BS 7671: 2018 IET Wiring Regulations 18th Edition specifies requirements for overload protection of an RCCB or switch in an LV assembly, Regulations 536.4.3.2, 536.4.5 and 536.4.202 refer. This bulletin provides guidance for RCCB and switch overload protection.

## 2. Technical Bulletin: Coordination of wiring accessories, low voltage switchgear and controlgear assemblies with conductors operating at a temperature exceeding 70 °C e.g. XLPE.

This bulletin provides guidance on Regulation 512.1.5 of BS 7671: 2018 IET Wiring Regulations 18th Edition.

## 3. BEAMA Guide to Arc Fault Detection Devices (AFDDs):

Arc Fault Detection Devices represents a new category of additional protection against fire caused by arc faults in AC final circuits. BS 7671: 2018 IET Wiring Regulations 18th Edition recommends the use of AFDDs for certain applications. This BEAMA guide provides detailed technical information and application guidance for AFDDs in electrical installations.

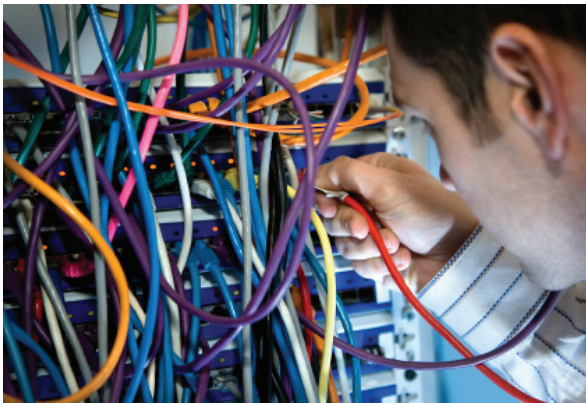
## 4. The RCD Handbook: BEAMA Guide to the selection and application of Residual Current Devices (RCDs):

This Guide provides specifiers, installers and end users, clear guidance on the selection and application of the wide range of RCDs now available. It details the specific applications of Types AC, A, F and B RCDs which are now recognised in BS 7671: 2018 IET Wiring Regulations 18th Edition. Guidance is also given on the installation and maintenance of RCDs, including many of the installation conditions that cause 'unwanted tripping'.

## 5. BEAMA Guide to Surge Protection Devices (SPDs) – Selection, Application and Theory:

This Guide is intended as a practical guide for designers, specifiers and installers to enable them to comply with surge protection requirements in BS 7671: 2018 IET Wiring Regulations 18th Edition.





BEAMA have been actively promoting these guides to various sectors of our industry. The ECA have included a BEAMA written article in their Summer edition of ECA Today publication and their members are already requesting copies of the guides. A focus piece is to be included on our guides in the next EDA News publication. The guides are listed on the Voltimum portal and a press release has been circulated to the main electrical magazine editors so we can expect ongoing coverage of the guides over the coming months. The guides have also been circulated to other electrical installer associations including Certsure NICEIC, NAPIT and Select and to electrical safety organisations.

BEAMA will continue to promote our work on the 18th edition to support the electrical industry, including electrical contractors, specifiers and end users.

## ECA's #Project18 roadshow a major success

Thousands of contractors and installers attended ECA's #Project18 roadshow events during July, to learn about the changes introduced within the 18th Edition of the IET Wiring Regulations (BS7671).

Over a three week period, around 2,000 people attended 14 events held across the country. In addition, these events had the added bonus of a CPD element delivered by one of ECA's technical experts, supported by leading industry manufacturers. These roadshows also provided an excellent opportunity for ECA members to network with others within the industry.

Most of the events were also supported by a small exhibition showcasing several promotions and products, including stands from roadshow partners Schneider, Eaton and Legrand.

### **Steve Martin, ECA Director of Technical, commented:**

*"The roadshows were a superb way for ECA members to easily learn about the changes contained within the latest edition of the IET Wiring Regulations. It was also great to see ECA members networking with each other to build new business relationships."*

### **Matt Crunden, Training and BIM Manager at Legrand, commented:**

*"The ECA Project18 roadshow was one of the 'not to be missed' events of the year. The quality of the information presented in the seminars was excellent and the event organisation was first class. Legrand Electric Ltd was proud to be part of the roadshow."*

### **Marc Gaunt, Segment Marketing Manager at Eaton, commented:**

*"Eaton was delighted to see the levels of attendance by ECA members at this year's Project18 events. As well as providing a great platform to understand more about the 18th Edition, the events were a fantastic opportunity to discuss pragmatic, layered approaches for our industry to enhance building safety."*

### **Deepak Sharad, Schneider Electric's Final Distribution Category Manager, commented:**

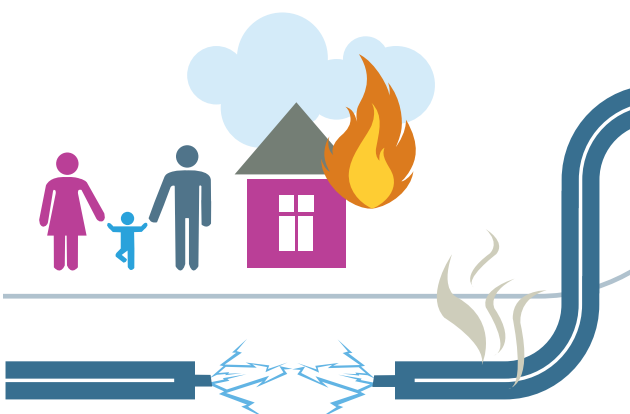
*"The ECA Project18 roadshow was a great series of events bringing electricians and contractors up to speed with the latest changes in wiring regulations. The appetite and levels of interest to better understand the changes we saw was phenomenal, with fantastic engagement from the audiences. Schneider was proud to be a supporting sponsor."*

### **ECA member representative Keith Basing, of Phoenix ME Ltd, commented:**

*"I have attended a few presentations on the 18th Edition, but this was the best one by far."*

The new Wiring Regulations were published on 2 July 2018, and will come into full effect on 1 January 2019. ECA is providing members with a range of online tools, resources and discounted training to help get them up-to-speed.

**Full details of ECA's #Project18 campaign can be found at [www.project18.co.uk](http://www.project18.co.uk).**



# BREXIT AND EURIS UPDATE

## 'SECURING A COMPETITIVE UK MANUFACTURING INDUSTRY POST BREXIT'

EURIS, working with the UK Trade Policy Observatory, has undertaken an unprecedented survey of our industry to support our recommendations for a 'business friendly Brexit'. This is the most detailed supply chain survey of its kind ever undertaken and highlights the hidden impacts of Brexit. This report publishes the results and provides a clear warning for a no-deal Brexit to be avoided, and the need for a Withdrawal Agreement in the Autumn. So far the political response to this report has been very positive as Government departments are engaging with BEAMA to understand the core issues that have been highlighted – including regulatory alignment, intellectual property, Rules of Origin, CE marking and employment.

**BEAMA MEMBERS ARE NOW INVITED TO WRITE TO CONSTITUENCY MPS OUTLINING THE KEY FINDINGS OF THE REPORT.**

This report was launched at the EURIS summit on the 11th September at the House of Lords. At the Summit Lord Henley, Parliamentary Under Secretary of State for BEIS, spoke on behalf of Government, outlining the objectives of the 'business friendly' Chequers proposals. He was followed by very poignant speeches on behalf of industry, emphasizing the dangers of a no-deal scenario and very much endorsing the EURIS report. Several MPs and members of the Lords were in attendance

along with senior civil servants. BEAMA welcomed attendance from a number of key EU trade associations who participated in the Summit on the 11th, and 12th at the Shard. DExEU Minister Robin Walker attended on the 12th presenting a clear plan for the Governments objectives for a deal based on Chequers.

**EURIS Government Sector Panel - UK Government invited EURIS to put forward trade experts from member companies ranging across the EURIS sectors, forming an expert panel which will be used to provide guidance through the negotiations on specific issues relation to our industry. This panel met for the first time in September and we are confident this will provide an effective forum to engage with the detailed discussion that will follow from any Withdrawal Agreement.**

**No-Deal Technical Notices - UK Government have now started to publish technical notices outlining a no-deal scenario and implications for trade and regulatory processes and compliance. These are available on the gov.uk site and members are encouraged to review these and the additional guidance provided by BEAMA on the BEAMA members area of the website.**

<https://www.gov.uk/government/collect/ons/how-to-prepare-if-the-uk-leaves-the-eu-with-no-deal>

EURIS have carried out significant actions to ensure our engagement in all necessary Government activity relating to Brexit. It is fair to say this provides a very effective lobbying platform for our sector - now representative of a £148billion turnover industry. BEAMA are engaging separately with individual departments to inform the discussions on how specific regulations are to be maintained in the UK and alignment with the EU continued - this includes eco-design, labelling, REACH, RoHS and much more.



For more information please visit the BEAMA members area  
<http://www.beama.org.uk/my-beama/brexit.html>  
and the EURIS website [www.euristaskforce.org](http://www.euristaskforce.org)



# WASTE ELECTRICAL & ELECTRONIC EQUIPMENT IN FOCUS

The UK Environment Agency (UKEA) monitors the amount (weight) of Electrical & Electronic Equipment (EEE) placed on the market and also the amount of EEE waste (WEEE) collected and has been publishing quarterly data since the second half of 2007.

Between 2007 and 2013 the data published by UKEA covered 13 different categories of EEE products but in 2014 photovoltaic panels were included to bring the total number of categories to 14. UKEA also started publishing data on Non-Obligatory WEEE in 2010 which is now about 20% of the total WEEE recycled in UK.

The latest figures shows that on average 1.6 million tonnes of EEE are placed on the market every year and about 0.6 million tonnes of WEEE are collected. The amount of WEEE collected compared to the total EEE put on the market rose steadily from 16% in 2007 and peaked at 32% in 2012. This was followed by 2 years consecutive

decline but the upward trends picked up again in 2016. The first two quarters of 2018 figures suggests that UK recycled just over 50% of EEE placed on the market.

From 2019 the minimum target for EU members states to achieve is either to recycle 65% of EEE put on the market or to recycle 85% of WEEE generated. Compliance with the new WEEE Open Scope for BEAMA members is from the 1st January 2019. Information on this and the draft guidance from the Environment Agency is available on the BEAMA Issues Forum.

Breakdown of the WEEE collected since 2007 shows that Large Household Appliances category is the most recycled EEE with about 30% of the total recycled and Photovoltaic Panels are the least recycled with 0.01%.

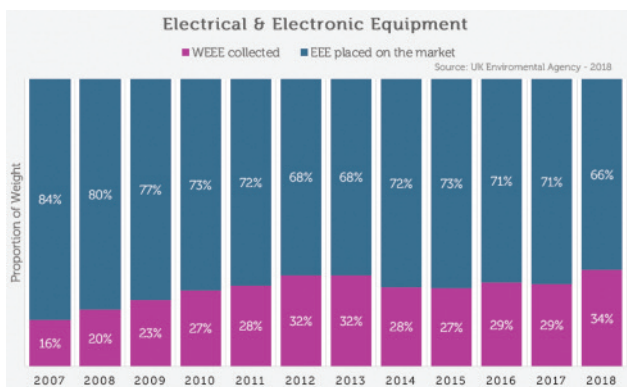


Figure 1: Electrical & Electronic Equipment – WEEE collected and EEE generated

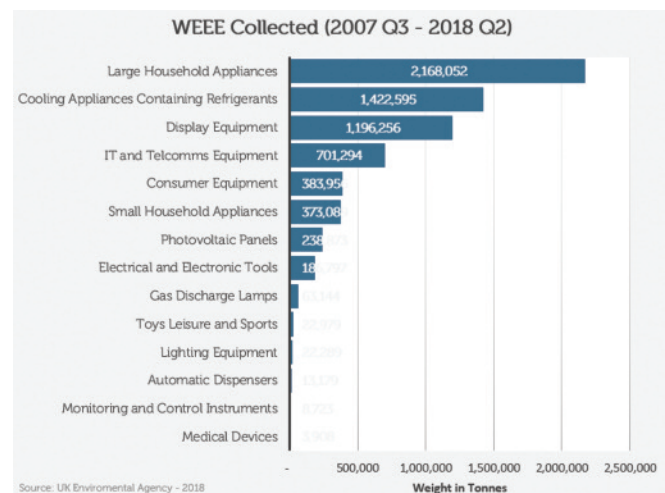


Figure 2: WEEE collected breakdown – 2007 Q3 and 2018 Q2

## LOW CARBON NETWORKS & INNOVATION CONFERENCE 2018



BEAMA, Energy Innovation Centre (EIC), Energy Systems Catapult (ESC) and Innovate UK are delighted to announce that we will be partnering again to host 6 SME's on our designated Innovation Hub and, new to this year's LCNI Conference, the Dragons' Den session. The Dragons' Den session is one of the highlights of the 2018 LCNI Conference programme and will allow our 6 SMEs to pitch their project ideas to a panel of senior managers from the Gas and Electricity Networks who will judge the proposals.

A seed fund of £10,000 has been put forward by Innovate UK and ENA's gas and electricity members for the winner, or winners, to further develop a full proposal for a Network Innovation Allowance (NIA) project.

Along with the dragon's den session, the Innovation Hub is a unique display of what the industry can deliver and demonstrates the exceptional ability of the UK market which is seeing significant growth in innovation and new companies entering the market for this sector. BEAMA, ESC, EIC and Innovate UK are all working together to help support these companies and promote UK capabilities for the industry.

The six companies who will be pitching their ideas and demonstrating their innovative concepts are:

- EnergyPro Ltd
- Extreme Low Energy Ltd
- Integrated Environmental Solutions Ltd.
- Opus One Solutions
- Qbots Energy Ltd
- Scene Connect

More information on these companies will be available soon.  
Remember to book your place at LCNI 2018 to meet our successful 6 SME's.

# ROTHERWICK HOUSE HUB



As many of you may know in an exciting development BEAMA along with BESA, ECA, EDA, Electrical Industries Charity, CESA, GAMBICA and Voltimum moved into Rotherwick House at the beginning of this year. The Rotherwick House Hub is a real example of industry collaboration in action. This move is already providing great opportunities for our industry with joint ventures with the ECA on the 18th Edition wiring regulations, EDA training, Brexit planning and engagement, compliance and anti-counterfeit activities and a lot more planned for the future.

An area that has already shown a true example of association collaboration is the production of a Safety Check List for MCBs, RCDs and RCBO's which is currently in the final stages of design. The check list started life covering MCB's only but following discussions with both the EDA and the ECA, valuable input has been received resulting in decision to widen the scope to cover the areas of both overcurrent and earth leakage protective devices. The aim of the check list is to help Electrical Wholesalers and Electrical Contractors to identify non-compliant products covering the areas of general quality indicators, required key markings and other factors including the right questions to ask. The check list will be ready by the end of October

BEAMA recognise the need to build strong working relationships with the rest of our member's supply chains is an important key factor to the industry. We know from member surveys in the past that our industry needs improvements in the availability of skills for evolving technologies, as well as installer practices, especially when these relate to markets.

**We are therefore going to look at how we can develop further the existing work we do with EDA and ECA on training for our industry and potential other collaborative work with the Rotherwick Hub.**



## WE ARE RECRUITING

BEAMA are currently looking to recruit a new **Technical Manager** to work with the **Power Networks and Flexible Energy Systems** portfolios to provide support to standardisation and other technical activities. This is an exciting opportunity to get involved in a fast moving area as the industry goes through the energy transition. The job specification for this role is available on the beama website.

**The recruitment process is being managed directly through BEAMA and any interest, CVs, etc should be sent by email to John Parsons – [john.parsons@beama.org.uk](mailto:john.parsons@beama.org.uk) as soon as possible.**

# ENA OPEN NETWORKS FUTURE WORLDS CONSULTATION

The electricity transmission and distribution members of the Energy Networks Association (ENA) set up the Open Networks Project to examine how the Distribution Network Operators (DNO) could transition into Distribution System Operators (DSO) reflecting the growing connection of generation at distribution voltages, anticipated growth of electric transport and heat and the need to actively manage the distribution networks.



An Open Networks consultation has been published, looking for stakeholder feedback on the design of a future DSO. This raises some fundamental questions, such as who procures flexibility services and who coordinates management of the transmission and distribution networks. The ENA recognises that how the questions are answered will have important societal, commercial and technical implications.

BEAMA will respond to the consultation but members should be aware that this is an early exercise in a development that will have profound implications for many of our members, as their products are drawn into the future flexibility markets. Over the next few years, we can expect to see what were once purely network questions, increasingly involve others at the edge of the network. BEAMA established its Energy Systems Group to facilitate dealing with these issues and it will be taking the lead on answering these questions. changes approaching.



For more information on the Energy Systems Group, contact John Parsons. [John.parsons@beama.org.uk](mailto:John.parsons@beama.org.uk)

<http://www.energynetworks.org/electricity/futures/open-networks-project/future-worlds/future-worlds-consultation.html>



## MEET ANDREW WILLMAN

My role has changed a few times over a long career with BEAMA but my core position remains as the BEAMA Legal Adviser. This covers a wide range of areas for BEAMA and our members, the main focus being commercial law and contracts. Many of our smaller members especially have always valued the availability of individual advice on the contract terms they use and members of all sizes have made use of training and guidance on the risks presented by the ever-changing range of contract terms in use in the industry sectors covered by BEAMA.

The other key legal area essential for all trade associations is competition law and BEAMA has always ensured that this is an area where our policies and practices are constantly monitored and compliance ensured by an in-house adviser rather than through one-off or occasional reviews. Awareness of the law and the risks involved for trade associations has increased substantially in member companies over the years but it is all too easy for members to cross the boundaries, even inadvertently, without clear direction from the Association. The other essential aspect is ensuring proper corporate governance for BEAMA Ltd as Company Secretary and for our many product groups to ensure that they are properly managed legally and all members' interests protected. Again, the pursuit of individual members interests must always be within the goal of furthering those of the industry as a whole. More recently I have also taken overall responsibility for BEAMA's finance, economics and statistics functions to bring those central functions under a single direction as Director of Corporate Services.

What now takes up a very large part of my time is Brexit and the work through both BEAMA and EURIS to gain the best possible

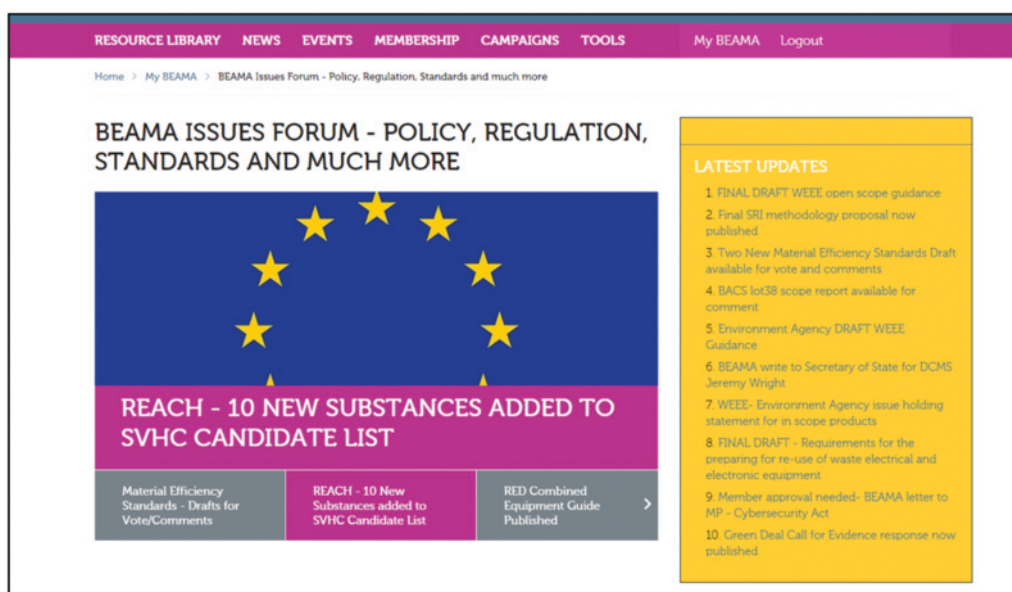
outcome for manufacturers from this. This started with consideration of areas within my main knowledge areas such as intellectual property but I have now had to become familiar with and take a leading role in trade policy, both at UK and European levels within Orgalime. Having rapidly learned about such previously obscure subjects as Rules of Origin, I am also now representing BEAMA and EURIS on the relevant Ministerial advisory group within Government as they also quickly try to gain an understanding of the likely impacts on manufacturing industry of the changes approaching.

Ultimately my overriding role is as an enabler for the activities of both BEAMA members and my colleagues in ensuring that we have the best legitimate routes available to promote the interests of our industry in all regulatory, technical, commercial and other areas.

# ISSUES FORUM UPDATE

## Policy, regulation, standards and much more

- Draft Environment Agency WEEE Guidance issued
- BEAMA write to Secretary of State on the EU Cyber security Act
- First report of the Eco Design preparatory study on Building Automation Control Systems published
- Mock ups released for the new Energy Labelling Database



BEAMA members are being invited to sign up colleagues from their organisations to access this resource with a login for the BEAMA members area of the website. These may be marketing, sales or product managers who would not normally engage with BEAMA but may benefit from having access to information we provide on key regulations that may affect your business. This would also allow them access to other market-based information resources and regulator updates on Brexit. You will receive an email from BEAMA soon with further details, but if you have any questions please contact Yselkla Farmer, Head of Policy and Marketing [Yselkla.farmer@beama.org.uk](mailto:Yselkla.farmer@beama.org.uk)

[www.beama.org.uk/my-beama/issues-forum.html](http://www.beama.org.uk/my-beama/issues-forum.html)

