

E2 Energy Efficiency for Industry: Where the Industrial Energy Managers Come to Do Business

13-16 June 2016, Marriott Renaissance Hotel, Brussels

www.brussels.e2industry.com

E2 Summit	E2 Conference Day 1	E2 Conference Day 2	E2 Actionable Insights Day
<p>Finance & Investment</p> <p>13th June 2016 Renaissance Hotel, Brussels</p> <p>Summit Welcome</p> <p><u>Panel and Audience Discussion</u> The EE Finance Leaders – Understanding the Energy Efficiency Opportunity</p> <p>Key Success Factors for Financing Energy Efficiency Projects</p> <p>Early Lessons from the EIB Private Finance for Energy Efficiency initiative</p> <p>How to Successfully Finance Small Sub €500k Energy Efficiency Projects</p> <p>Networking Lunch</p> <p>Global Lessons in EE Finance and Industry Development – What do Governments need to do?</p> <p><u>Panel Discussion: Scaling 3rd Party Finance – Key Standards and Protocols</u></p> <p><u>Coffee Roundtable Debates</u> Innovative Off-Balance Sheets Financing Alternatives</p> <p>Selling the Benefits of Energy Efficiency Projects</p> <p><u>Panel Discussion: How to Get Your CFO to Love Your Project. What Can Energy Managers Do To Put Together Compelling Business Cases for Energy Efficiency Projects?</u></p> <p>Summit Closing & Drinks Reception</p> <p>Finance Summit Mussels & Beer Dinner</p>	<p>Strategy, Data & Energy Culture</p> <p>14th June 2016 Renaissance Hotel, Brussels</p> <p>Conference Opening</p> <p><u>Industry Scene Setter: Industrial Energy Efficiency Trends & Predictions</u></p> <p><u>Case Study Insight - Transport Manufacturing: Strategies for Overcoming the Energy Productivity Challenge</u></p> <p><u>Case Study Insight – Metals: Latest Update and Report from the Tata Steel Energy Efficiency Wave Programme</u></p> <p><u>Case Study Insight – Food & Drink Processing: A Model Based Approach to Creating a Positive Change Culture over a Wide and Diverse Base of Sites</u></p> <p><u>Innovation Panel Discussion: Industrial Energy Management: A Source of Competitive Advantage</u></p> <p><u>Case Study Insight – Cement: Alternative Fuels, Waste Heat Recovery and Developing New Revenue Streams</u></p> <p><u>Case Study Insight – Transport Manufacturing: Energy Conservation Through Idle Electricity Reduction</u></p> <p>Networking Lunch</p> <p><u>Case Study Insight – Transport Manufacturing: Best Practice and Learning from Renault’s Global Sites Energy Audit Programme</u></p> <p>Developing a Strong Energy Culture and Behaviour Change Success Stories</p> <p><u>Case Study Insight – Healthcare: Energy Management Challenge – Bottom Up Energy Management Strategies</u></p> <p>Lighting as a Service – Successful Business Models for Energy Efficiency Deployment</p> <p><u>Case Study Insight – Chemicals: Data & Energy Management Systems</u></p> <p>E2 Networking Drinks Reception</p>	<p>Vectors & Verticals Day</p> <p>15th June 2016 Renaissance Hotel, Brussels</p> <p>Conference Opening</p> <p><u>Case Study Insight - Learning from Retail: Energy Management Best Practice & Key Learnings from a Huge Global Retail Chain</u></p> <p><u>Panel Discussion: How to Select the Right Energy Efficiency Technology, Software and Services?</u></p> <p><u>Quickfire Case Studies & Roundtable Debates</u> The Energy Vectors</p> <ul style="list-style-type: none"> - Steam & Hot Water Processing - Compressed Air - Energy Efficient HVAC - Self Generation Electricity CHP Cogen - LED & Induction Lighting - Electricity: Sub Metering & Energy Efficient Transformers <p>Networking Lunch</p> <p><u>Case Study Insight – Paper: What is the Impact of National Energy Efficiency Regulations across Europe?</u></p> <p>Industry Challenges & Roundtable Debates The Vertical Industries</p> <ul style="list-style-type: none"> - Metals & Mining - Food & Drinks Processing - Ceramics & Glass - Chemicals & Pharma - Cement & Construction - Pulp, Paper & Forest Products - Automotive & Transport Manufacturing - Manufacturing & Industrial Conglomerates <p>E2 Closing Speech</p>	<p>16th June</p> <p>Following three busy days in Brussels, E2 invites you to also put a little time aside in your diary for 16 June, the Actionable Insights Day. This is your chance to take stock of the information you gathered at the conference, commit to new goals or changes based on what you learned, initiate connections with the people you met, and disseminate the key learnings and takeaways to your wider team.</p>

E2 Finance & Investment Summit

Corporate Energy Efficiency Finance – Strategies to Overcome the Two Year Payback

13th June 2016, Marriott Renaissance Hotel, Brussels

08.00	Registration and coffee
08.30	<p>Summit Welcome</p> <p>Moderator: Steve Fawkes, Principal, EnergyPro & Investor Confidence Project</p>
09.00	<p>Panel and Audience Discussion</p> <p>The EE Finance Leaders – Understanding the Energy Efficiency Opportunity</p> <p>Three true pioneering and visionary leaders from the world of EE Finance will present their differing viewpoints of the EE Finance Opportunity. Attendees will gain a rapid yet complete overview of all the big issues, drivers and opportunities in EE Finance. The presenters will share their views followed by discussion, debate and questions from the floor:</p> <ul style="list-style-type: none"> • What is the scale of the energy efficiency opportunity? • Which are the keys barriers to unlocking investment flows into large corporates? • What are the key hurdles to overcome for the creation of a true new asset class? • What protocols could be adopted to increase standardisation and allow for projects to be aggregated and scaled up to meet 3rd party finance transaction costs? • How to avoid the common pitfalls in EE project finance. • What corporates need to do: namely the development of a strategic programmed approach encompassing an energy management system with clear benchmarking and energy performance standards that provides the executive boards with effective ongoing summary of energy performance and a pipeline of investment options. <p>Panellists: Steve Fawkes, Principal, EnergyPro & Investor Confidence Project Alex Gilbert, Investment Manager, Amber Infrastructure & Green Amber Sustainable Capital Lada Strelnikova, Investment Manager, European Energy Efficiency Fund & Deutsche Bank</p>
10.15	Networking Coffee
10.45	<p>Key Success Factors for Financing Energy Efficiency Projects</p> <p>The highly experienced EBRD will detail how they have successfully invested \$16.4bn in 926 sustainable and energy efficiency projects over the past decade.</p> <ul style="list-style-type: none"> • What approaches have been successful in the past? • How to structure EE finance. • What approaches do not work and what to avoid? • How to overcome political risk in emerging markets. • How to successfully partner with other banks. <p>Speaker: Giampiero Nacci, Head of Industry and Business Energy Efficiency, EBRD</p>
11.30	Early Lessons from the EIB Private Finance for Energy Efficiency Initiative
12.00	<p>How to Successfully Finance Small Sub €500k Energy Efficiency Projects</p> <ul style="list-style-type: none"> • Contractual structures and players for successful small project finance

	<ul style="list-style-type: none"> • Standardised and independent verification • Key successful criteria for working with ESCOs • How to engage with smaller companies? <p>Speaker: Jessica Stromback, Chairman, Joule Assets Europe AB</p>
12.30	<p>Moderator's wrap up of morning sessions and key take-aways</p> <p>Moderator: Steve Fawkes, Principal, EnergyPro & Investor Confidence Project</p>
12.35	Networking Lunch
13.50	<p>Afternoon Opening</p> <p>Moderator: Steve Fawkes, Principal, EnergyPro & Investor Confidence Project</p>
14.00	<p>Global Lessons in EE Finance and Industry Development – What do Governments need to do?</p> <ul style="list-style-type: none"> • What is the natural development path for the EE industry from short term/midterm/long term and how can governments create a successful financial suite of solutions and mechanisms to help mature the sector? • What is the role of ESCOs in industrial energy efficiency and why are they more successful in certain markets? • What judicial systems and body of corporate law is necessary to enable successful ESCO and financing contracts? • What potential conflict points need to be ironed out and how can project failure be mitigated? <p>Speaker: Ivan Gerginov, Energy Efficiency Financing Expert, Econoler</p>
14.30	<p><u>Panel Discussion</u></p> <p>Scaling 3rd Party Finance – Key Standards and Protocols</p> <ul style="list-style-type: none"> • What standards and protocols can be used for each element of the energy efficiency investment process? • How to source and increase the availability and use of benchmarking data to support key decision makers in specific industries • What other factors can further aid project aggregation and securitisation <p>Panellists: Stefano Fissolo, Vice President - Energy Efficiency, SUSI Partners AG Ivan Gerginov, Energy Efficiency Financing Expert, Econoler</p>
15.15	<p><u>Coffee Roundtable Debates</u></p> <p>Innovative Off-Balance Sheets Financing Alternatives</p> <p>Participants choose to attend 1 of the 6 tables below and deep dive into its key theme with a dedicated group of peers. The debates will cover:</p> <ul style="list-style-type: none"> • How can CFOs structure and account for energy efficiency investments? Can they be classified as productivity improvements? • How to account for improving cash flow from OPEX investments? • What can be financed off-balance sheet, e.g. support processes like the delivery of commodities (heat, power, steam, water)? • What are the options for leasehold and equipment financing? • How can corporates account for energy performance contracts with assets depreciated over useful life and avoid one-off costs? • What contracting and procurement standards should be used?

	<ul style="list-style-type: none"> • How to reduce transaction costs? • What is the role of insurance in EE project risk reduction and mitigation? <p>- Balance Sheet Investments and Accounting Practices - ICP Standards – IREE for Industry - Energy Performance Contracting & Investing in ESCOs - Corporate Green Bonds & Special Purpose Vehicles - Insurance & Risk Mitigation for EE - Public Funds & EE Finance</p> <p>Roundtable Leaders: Jessica Stromback, Chairman, Joule Assets Europe AB Vincent Berrutto, Head of the Energy Unit, European Commission - Executive Agency for Small and Medium-sized Enterprises (EASME)</p>
16.00	<p>Selling the Benefits of Energy Efficiency Projects</p> <p>Investments in energy efficiency not only result in a reduction of energy consumption —the energy benefit— but they also entail non-energy benefits such as improved product quality, reduced production time or improved comfort in sales area. Non-energy benefits significantly improve the business case of energy-efficiency investments in the business sector by raising their strategic character. These benefits also increase the profitability of these investments, not only through avoided costs but also through additional revenues. The presentation will discuss industrial benefits of energy efficiency. The new conceptual framework proposed enables to move away from the common view of energy as a commodity (where the only goal is to save kilowatt-hours) to adopt a new perspective on energy and energy services as strategic value for businesses.</p> <p>Speaker: Catherine Cooremans, Co-director of the Certificate of Advanced Studies, Institute for Environmental Sciences, University of Geneva & EcoDiagnostics</p>
16.30	<p><u>Panel Discussion</u></p> <p>How to Get Your CFO to Love Your Project. What Can Energy Managers Do To Put Together Compelling Business Cases for Energy Efficiency Projects?</p> <ul style="list-style-type: none"> • How to grab the attention of the Executive Board • What best practice Energy Efficiency accountancy NPV, ROI and CAPEX & OPEX payback expenditures • How to overcome uncertainty on OPEX calculations? • What payback periods and ROIs are acceptable? Can timelines be extended? • How to use standards & how to source new financing options. • How to create an effective measurement & savings reporting plan. • Why include more internal stakeholders? • What business benefits to include beyond financials? <p>Panellists: Dr. Mukund Bhagwat, Corporate Energy & Climate Affairs, Aurubis Maria Jose Perea Marquez, Global Account Director - Energy Management and Industry Finance, Siemens Financial Services</p>
17.15	<p>Moderator’s wrap up of afternoon sessions and key take-aways</p> <p>Moderator: Steve Fawkes, Principal, EnergyPro & Investor Confidence Project</p>
17.30	<p>Summit Closing & Drinks Reception</p>

E2 Conference Day One

Strategy, Data & Energy Culture

14th June 2016, Marriott Renaissance Hotel, Brussels

08.00	Registration and coffee
08.30	<p>Conference Opening</p> <p>Moderator: Dr Julia Reinaud, Research Director, Industrial Innovation for Competitiveness Initiative (i24c)</p>
08.45	<p><u>Industry Scene Setter</u></p> <p>Industrial Energy Efficiency Trends & Predictions</p>
09.00	<p><u>Case Study Insight – Transport Manufacturing</u></p> <p>Strategies for Overcoming the Energy Productivity Challenge</p> <ul style="list-style-type: none"> • Airbus Group energy team structure, emissions targets and KPIs • Key challenges of energy management • Key successes and recent successful projects: lighting, compressed air, variable speed, data centres • Energy Management System Implementation and continuous improvement • New goals and targets <p>Speaker: Jean-Marc Alberola, Group Energy Strategy Leader, Airbus</p>
09.30	<p><u>Case Study Insight - Metals</u></p> <p>Latest Update and Report from the Tata Steel Energy Efficiency Wave Programme</p> <ul style="list-style-type: none"> • What are the objectives of the programme? • How is the programme altering mindset, behaviours and developing an energy culture? • What processes are targeted? • How is progress measured and under what KPIs? <p>Speaker: Paul Wheeler, Energy Efficiency Specialist, Group Environment, Tata Steel</p>
10.00	<p><u>Case Study Insight – Food & Drink Processing</u></p> <p>A Model Based Approach to Creating a Positive Change Culture over a Wide and Diverse Base of Sites</p> <ul style="list-style-type: none"> • How to successfully manage multiple sites and achieve success with embedding an energy efficient culture? • How to work with internal operations teams to revisit and challenge accepted norms and tolerances and to squeeze more energy productivity out of the systems and processes • How to create a positive climate for finding opportunities for energy productivity against a negative spotting mistakes • How to compete effectively internally for the CAPEX pot <p>Speaker: Adam Pawelas, Senior Group Utilities Manager, Carlsberg</p>

10.30	Coffee and networking
11.00	<p><u>Innovation Panel Discussion</u> Industrial Energy Management: A Source of Competitive Advantage</p> <p>A series of presentations will open the conference, providing attendees with some differing and stimulating insights from our leadership panel.</p> <ul style="list-style-type: none"> • What is the scale of the energy efficiency opportunity? • How can energy efficiency investments improve productivity and energy intensity? • Understanding the present CAPEX vs. future OPEX trade-off • How can industrials achieve energy transformation: <ul style="list-style-type: none"> ▪ Developing a strategic programmed approach ▪ Energy management system ▪ Clear benchmarking and energy performance standards ▪ Transparency to executive boards ▪ Ongoing summaries of energy performance ▪ A pipeline of investment options <p>Panellists: Paul Hodson, Head of Energy Efficiency Unit, DG ENER European Commission Lada Strelnikova, Investment Manager, European Energy Efficiency Fund & Deutsche Bank Mark Lister, Senior Advisor, Global Energy Efficiency Accelerator Platform (an initiative from the UNIDO, Institute of Industrial Productivity & C2E2 Copenhagen Centre on Energy Efficiency) Brigitta Huckestein, Senior Manager, Communications & Government Relations, BASF Group Olivier Devolder, Senior Consultant and Energy Project Coordinator, N-SIDE</p>
11.45	<p><u>Case Study Insight - Cement</u> Alternative Fuels, Waste Heat Recovery and Developing New Revenue Streams</p> <ul style="list-style-type: none"> • What is Heidelberg’s experience in sourcing, collecting and using alternative fuels? • Implementing and fully using waste heat recovery technologies, heat exchangers and ORC engines? • Creating revenue from CO² waste streams <p>Speaker: Jan Theulen, Director Alternative Resources, Global Environmental Sustainability, HeidelbergCement</p>
12.15	<p><u>Case Study Insight – Transport Manufacturing</u> Energy Conservation Through Idle Electricity Reduction</p> <ul style="list-style-type: none"> • Lean manufacturing thinking in energy efficiency work • Build culture through a self-funded strategy for energy efficiency vs. a capital investment strategy • Use the “Toyota A3” problem solving tool as a management tool within the organization • First CO2 neutral plant in the construction equipment industry <p>Speaker: Dr. Johan Wollin, Global Director Environmental Care, Volvo Construction Equipment</p>
12.45	<p>Moderator’s wrap up of morning sessions and key take-aways</p> <p>Moderator: Dr Julia Reinaud, Research Director, Industrial Innovation for Competitiveness Initiative (i24c)</p>

12.50	Networking Lunch
14.10	Afternoon Opening
14.15	<p><u>Case Study Insight – Transport Manufacturing</u> Best Practice and Learning from Renault’s Global Sites Energy Audit Programme</p> <ul style="list-style-type: none"> • Energy Audit: scope, objectives and results of the Europe-wide 35 site audit • Update on new EE project: New measurement & sensor trials • Update on new EE project: Lighting as a Service <p>Speaker: Olivier Pohnu, Global Energy Efficiency Manager, Renault</p>
14.45	<p>Developing a Strong Energy Culture and Behaviour Change Success Stories</p> <p>Speaker: Dr Ulrika Wising, Head of Energy, DNV GL <i>Ulrika Wising holds a PhD in Chemical Engineering, specialized in Energy Efficiency in Industry and a Master Degree in Chemical Engineering with a process focus. She has been working with energy intensive industry, helping them improve their performance and reduce their energy costs. Since joining DNV GL in 2013, she has been developing a new service focusing on behaviour change to achieve energy savings in energy intensive industry. She is currently the project manager for a 2050 decarbonisation roadmap for the eight most energy intensive industries in the UK for the Department of Energy and Climate Change.</i></p>
15.05	Coffee & networking
15.30	<p><u>Case Study Insight – Healthcare</u> Energy Management Challenge – Bottom Up Energy Management Strategies</p> <ul style="list-style-type: none"> • Foundations for a solid energy program • Energy efficiency & clean generation: what do we do? <p>Speaker: Patrick Bas, Energy Management EMEA, Johnson & Johnson</p>
16.15	<p>Lighting as a Service – Successful Business Models for Energy Efficiency Deployment</p> <p>A leading entrepreneur will demonstrate how Lighting as a Service works and demonstrate a case study of a recent deployment</p> <p>Speaker: Kaspars Osis, Chairman, RCG Lighthouse</p>
16.35	<p><u>Case Study Insight – Chemicals</u> Data & Energy Management Systems</p> <p>The presentation covers the step-by-step development and implementation of a detailed energy monitoring & analysis approach on a complex chemical manufacturing site. A ‘bottom-up’ approach is adopted, with proper energy data management as a foundation for the development of energy models and visualisation tools, the detailed monitoring and analysis of performance and the putting in place of a certified energy management system. Special attention is given to the lessons learnt and the best practices that were identified throughout this process.</p> <p>Speaker: Bart Adams, Energy Manager, Ineos Styrolution</p>
17.15	Moderator’s wrap up of afternoon sessions and key take-aways
17.30	E2 Networking Drinks Reception

E2 Conference Day Two

Vectors & Verticals Day

15th June 2016, Marriott Renaissance Hotel, Brussels

08.00	Registration and coffee
08.35	Conference Opening
08.45	<p><u>Case Study Insight - Learning from Retail</u> Energy Management Best Practice & Key Learnings from a Huge Global Retail Chain</p> <ul style="list-style-type: none"> • Refrigeration and cold chain energy management • Refrigeration leakage detection systems, CFC to CO² migration and doors! • LED lighting roll out programme • Energy Management Systems and submetering • Culture and ease of use <p>Speaker: Camille Chapalain, Energy Manager Group - International Support, Carrefour</p>
09.30	<p><u>Panel Discussion</u> How to Select the Right Energy Efficiency Technology, Software and Services?</p> <ul style="list-style-type: none"> • Whether to develop inhouse solutions or buy “off-the-shelf”? • Refit and enhancements rather than major capex investments? • How to select vet and verify vendors and ensure expectations are met? • How to verify and measure OPEX savings? <p>Panellists: Olli Härkönen, Global Energy Technology Director, SCA Global Hygiene</p>
10.30	Coffee and networking
11.00	<p><u>Quickfire Case Studies & Roundtable Debates</u> The Energy Vectors Participants choose to attend 1 of the 6 tables below and deep dive into its key theme with a fresh group of peers.</p> <ul style="list-style-type: none"> • What are the top 3 problems or challenges? • What does good look like? How much can you improve energy efficiency? • How to avoid the common pitfalls? <p>- Steam & Hot Water Processing - Compressed Air - Energy Efficient HVAC - Self Generation Electricity CHP Cogen - LED & Induction Lighting - Electricity: Sub Metering & Energy Efficient Transformers</p>
12.15	<p><u>Quickfire Case Studies & Roundtable Debates</u> Top Five Takeaways Reports The roundtable leaders will report back on the agreed top five takeaways to the whole conference so you don't miss out on any content or good actionable ideas.</p>

12.35	Moderator's wrap up of morning sessions and key take-aways
12.45	Lunch
13.55	Afternoon opening
14.00	<p>Case Study Insight – Paper</p> <p>What is the Impact of National Energy Efficiency Regulations across Europe?</p> <ul style="list-style-type: none"> • What are the compliance costs of Energy Efficiency • How are some of the Energy Efficiency White Certificate markets functioning? • Do renewable energy targets, grid balancing markets and energy efficiency markets conflict? <p>Speaker: René Stadler, Category Head Energy Europe & International, Mondi Group</p>
14.30	<p><u>Industry Challenges & Roundtable Debates</u> (inc. coffee)</p> <p>The Vertical Industries</p> <p>Participants choose to attend 1 of 8 tables below and deep dive into industry specific challenges with a fresh group of peers.</p> <p>- Metals</p> <p>Confirmed participants: Didier Vasner, Group Environment Manager, Constellium Paul Wheeler, Energy Efficiency Specialist, Group Environment, TataSteel</p> <p>- Chemicals & Pharma</p> <p>Confirmed participants: Mark O'Connor, Associate Director for Global Energy Centre of Excellence, MSD (Merck) Johan Liekens, Site Innovation Lead - Energy Coordinator, BP Chembel Bart Adams, Energy Manager, Ineos Styrolution</p> <p>- Automotive & Transport Manufacturing</p> <p>Confirmed participants: Ranieri Niccoli, Plant Director, Lamborghini Massimo Scarpenti, Head of Safety, Energy & Environment, Lamborghini Caglar Canbay, Energy Efficiency Project Leader, Toyota Olivier Pohu, Energy Efficiency Manager, Renault Jean-Marc Alberola, Group Energy Strategy Leader, Airbus Dr. Johan Wollin, Global Director Environmental Care, Volvo Construction Equipment</p> <p>- Pulp, Paper & Forest Products</p> <p>Confirmed participants: Tino Mulle, Chief Sustainability Officer, UNILIN Ward Snoeck, Energy Manager, UNILIN Olli Härkönen, Global Energy Technology Director, SCA Global Hygiene René Stadler, Category Head Energy Europe & International, Mondi Group</p> <p>- Food & Drinks Processing</p> <p>Confirmed participants: Adam Pawelas, Energy Manager, Carlsberg Camille Chapalain, Energy Manager Group - International Support, Carrefour</p>

	<p>- Ceramics & Glass Confirmed participants: Niels Schreuder, Public Affairs Manager, AGC Glass Europe Daniele Florean, former Head of Energy and Procurement, Sangalli Group</p> <p>- Cement & Construction Confirmed participants: Kurt Cornette, Technical Director, Wienerberger Eric Weiland, Technical Director, Terreal</p> <p>- Manufacturing & Industrial Conglomerates Confirmed participants: Ward Deryckere, Group Energy Manager, Beaulieu International Group</p>
15.45	<p><u>Industry Challenges & Roundtable Debates</u> Top Five Takeaways Reports The roundtable leaders will report back on the agreed top five takeaways to the whole conference so you don't miss out on any content or good actionable ideas.</p>
16.00	<u>E2 Closing Speech</u>
16.45	Moderator's wrap up of afternoon sessions and key take-aways
17.00	Summit Closing

E2 Actionable Insights Day

16th June 2016

Following three busy days in Brussels, E2 invites you to also put a little time aside in your diary for 16 June, the Actionable Insights Day. This is your chance to take stock of the information you gathered at the conference, **commit to new goals or changes** based on what you learned, initiate connections with the people you met, and disseminate the **key learnings and takeaways** to your wider team.

E2 has created a dedicated portal for the Actionable Insights Day, a place to see and share conference materials, contact details and attendee notes, http://brussels.e2industry.com/actionable_insights

Take the time on your Actionable Insights Day to benefit from:

- The E2 Brussels post-event report. Summarising the key findings from the conference presentations, plus the major themes that were being discussed by the audience and on the 'shop floor'.
- The Top Five Takeaway Reports from the Roundtable Debates focusing on the Energy Vectors and Vertical Industry challenges.
- PowerPoint or presentations from the speakers. Where available the presentations will be uploaded to the Actionable Insights portal for you to download.
- Papers, reports and 'extra' materials. Any supporting documents that our speakers or sponsors would like to share with the E2 attendees will be available to download on the Actionable Insights portal.

And you can contribute too.

- Attendees will be able to upload their conference notes to share their ideas, takeaways and points of view from E2 Brussels.
- Attendees will be able to upload their contact details to engage with those they met, and those they didn't get the chance to at E2 Brussels.
- Which means of course that you will also be able to access the notes and contact details from other attendees.

Commit to your Actionable Insights

What we really want to encourage you to do is take the time to commit to the insights you will put into action in your organisation.

What did you hear or see that you need to share with your team? Which concepts or contacts must you follow up with? What best practice did you pick up on that you want to implement immediately? What changes do you want to make to some of your existing projects?

Attending a conference is one thing; making the outcomes of that conference work for you... that's another thing.

So, put a 30-60 minute meeting in your diary and allow yourself the opportunity to capitalise on the time and commitment that you've already made in attending the conference. Spend this time really drawing some purposeful and specific directions and plans for your role, your team and your organisation.

It's a crowd-sourced, post-event, action-oriented kind of Day!

Build Relationships With Senior Decision Making Industrial Energy Managers Representing Group Annual Revenues Of **Over a Trillion Dollars! (US\$ 1028.8bn)**



Carlsberg is a global beer and drinks company headquartered in Copenhagen with 40,000 employees and €10bn revenues. The spread and diversity of the multiple sites require a tremendously adaptive approach to people management and the creation of energy culture as well as the managing the expectation of actionable items.



RENAULT

Renault is a global car giant with revenues over €40bn and a 120,000 employees. Following an energy audit programme, Renault are implementing little innovations and small steps that can demonstrate quicker returns on investment and demonstrable efficiencies.



Tata Steel is a multinational steel-making company with manufacturing operations in 26 countries, where it employs around 80,500 people and has revenues of \$20bn.



Wienerberger AG is the world's largest producer of bricks and number one on the clay roof tile market in Europe with 230 plants in 30 countries. Annual revenues total €2.8bn and it has 15,000 employees.



Carrefour is the fourth largest retail group in the world with revenues exceeding €75bn! Carrefour employs 330,000 people at over 10,000 supermarket, minimarket and logistics sites plus the world's largest chain of 1500 hypermarkets. It recently undertook to reduce its carbon emissions by 40% by 2030 and it therefore needs to reduce it's electricity kwhr/m2 by some 30% to achieve this.



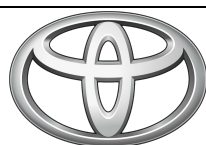
BP Chembel is part of the BP Group. BP Group is a major oil, gas and chemical company with \$220bn revenues and 80,000 employees. The Chembel plant manufactures purified terephthalic acid (PTA), the raw material for mainly polyethylene terephthalate (PET) bottles in Europe, and paraxylene, the raw material for PTA.



SCA is a consumer goods company and pulp and paper manufacturer, headquartered in Stockholm, it has 44,000 employees and a turnover of approximately €11 billion. Its main products include personal care products, tissue, publication papers, solid-wood products.



Ineos Chemicals Group is a €50bn revenue group that employs 17,000 people. Bart is responsible for the energy performance of 4 plants and a logistics centre. Some of the plants run continuous processing 24/7 and some are batch production in 2 shifts. There is some good submetering of major consumption processes and Bart is busy with overlaying a new EMS over process data and DCS systems.



TOYOTA

Toyota is the largest company in Japan, the World's largest automobile manufacturer and is the 13th-largest company in the world by revenue. It employs over 320,000 people and produces 10 million vehicles per year and has revenues of a staggering \$250bn.



Constellium is a global producer of aluminium semi-products. Global revenues of around €3.7bn, headquartered in Amsterdam with 10,000 staff spread across 21 manufacturing sites in Europe, North America and China.



HeidelbergCement is the world's third largest cement producer and employs some 53,000 people at 2,500 locations in more than 40 countries with an annual turnover of approximately €11 billion. Alternative fuels make up to 90% of Heidelberg's fuel and are derived from waste tyres, plastic SRF, waste biomass and un-recyclables. Approximately 30% of the alternative fuel used in European kilns is based on emissions reducing biomass.



Airbus Group formed in 2014 (formerly EADS) and consists of the three business divisions Airbus, Airbus Defence and Space, and Airbus Helicopters. It is a €60bn revenue Group employing nearly 140,000 people across 70 sites, of which 35 are manufacturing sites. They have already achieved their 2020 target and are in the process of setting new targets and goals for 2030 with appropriate milestones for 2020 and 2025.



AGC Glass (Asahi Glass Company) is a global glass company, headquartered in Japan with \$12bn in revenues and 50,000 employees. AGC Glass Europe produces, processes and distributes flat glass for the construction, automotive, transport and other specialized industries. Its industrial facilities comprise of 28 glass lines and glass processing centres plus more than 100 distribution-processing units in Europe, stretching from Spain to Russia.



The Terreal Group manufactures clay building materials and it offers everything from roofing solutions to flooring and decorative tiles. Global sales are \$680m and 2700 employees are located across 23 production sites worldwide, including 16 in France, with subsidiaries in Italy, Spain, USA, Malaysia, Singapore and China.



Merck Sharp & Dohme (MSD) is an American pharmaceutical company and the 7th largest pharmaceutical companies in the world with revenues of \$42bn and 70,000 employees world-wide. In Europe they have 25 facilities with HVAC being the major consumption vector. The Group is currently undergoing ISO 50001 certification of several sites in Ireland.



Lamborghini is an Italian manufacturer of luxury sports cars, owned by the Volkswagen Group, with production facility and headquarters are located in Sant'Agata Bolognese, Italy and annual revenues of \$500m. Automobili Lamborghini is the first and only auto manufacturer in Italy to have earned EMAS, ISO 14001 and ISO 50001 certification. They have recently opened its new trigeneration plant in an effort to reduce its overall carbon footprint. The plant will generate its electricity, heating and cooling from the same source of natural gas. It has a potential capacity of generating 1.2 MW, and will be capable of generating over 25,000 MWh every year – enough district energy to power all the houses in Sant'Agata, the neighbouring village.



Beaulieu International Group is an international textile manufacturing group specialising in carpets and woven rugs. Their global turnover is €1.6bn and they have over 4000 employees. The Group's annual energy spend is €40M.



Mondi plc is a €6.5bn international packaging and paper group employing over 24,400 people with 102 operations across more than 30 countries, predominantly in central Europe, Russia and South Africa. It is fully integrated across the packaging and paper value chain – from the growing of wood and the manufacture of pulp and paper, to the conversion of packaging papers into corrugated packaging, bags and other products.



UNILIN is wooden flooring and laminate producer with 4500 employees and achieved a turnover of 1 billion euros in 2014. Its 18 production units are based in many different countries and it is part of the Mohawk Industries. Mohawk Industries is the world's largest flooring company with manufacturing facilities in North and South America, Europe, Russia and Asia. The group is listed on the NYSE stock exchange and has a turnover of \$ 7.8 billion (2014) and 32,500 employees internationally.



Volvo Group is a Swedish multinational manufacturing company headquartered in Gothenburg. While its core activity is the production, distribution and sale of trucks, buses and construction equipment, Volvo also supplies marine and industrial drive systems and financial services. Almost 100,000 employees contribute to annual revenues of US\$38 billion.



Johnson & Johnson is a Fortune 500 American multinational active in medical devices, pharmaceutical and consumer packaged goods. The Group includes some 250 subsidiary companies with operations in over 57 countries and products sold in over 175 countries. Johnson & Johnson had worldwide sales of \$74 billion and 126,000 employees

About E2

Organised as part of the European Union's Sustainable Energy Week (www.eusew.eu), E2 for Industry will bring together industry energy managers and solution providers to explore the major opportunities and answer challenges in the market. The event will identify key vector and vertical solutions, review innovative financing strategies and dissect best practice case studies.

E2 for Industry is highly focused on accelerating the uptake of energy efficiency projects and reducing GHG emissions in industry. The topics will range from project financing, data management and insights, cultural and behavioural practices to a whole host of industry specific technologies including energy management systems, lighting, process technologies, voltage optimisation, variable speed drives, CHP cogeneration, waste heat recovery, waste gas reuse and Internet of Things.

For more information see the insight hub, <http://www.e2industry.com> or the event site, <http://www.brussels.e2industry.com>