

 Dan Rogerson, MP, Parliamentary Under Secretary of State for water, forestry, rural affairs and resource management

 Julio Garcia-Burgues, Head of Unit, DG Environment, European Commission

Low-carbon, integrated, power, heat and fuel

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- ✓ Success stories: funding for C&I merchant plants
 - ✓ Growth markets: RDF/SRF, UK & international
 - Business connections: facilitated networking for C & I waste and RDF
- ✓ Delivery: heat network workshop
- Operational efficiency: making current plants work harder
- Multi-solutions: the role of advanced technologies

For full details on all aspects of the conference, visit www.efwlondon.eu

What can you get from Energy from Waste 2015?

Comprehensive, challenging and authoritative, the Energy from Waste conference is the industry's foremost event, providing a uniquely focused and positive environment for information exchange and business growth at a very senior-level, across all parts of the industry.

Now in its eleventh year, the Energy from Waste conference brought together well over 200 attendees from 20 countries in 2014, and its international reach continues to grow.

Attracting company CEOs, MDs and Directors, technical experts and senior-level government figures, the Energy from Waste conference enables a unique level of





discussion and business development with the people who are driving forward change and growth in the waste to energy sector, in the UK and internationally.

Key programme elements:

- Facilitated networking sessions for C & I merchant projects and RDF / SRF producers, with input and involvement from UKGIB
- RDF / SRF session with speakers from Defra, EA, Germany, Sweden and the Netherlands
- Solutions-orientated workshop session for heat network delivery
- Optimising operational efficiency stream, sponsored by Hitachi Zosen Inova
- Smart city development and the integration of waste to energy – presentations and discussion
- Key overseas market focus sessions with discussion and networking
- The move to a circular economy what is needed to encourage change, and the role of energy from waste





- Technology updates and the opportunities for waste to energy in the decarbonisation of energy intensive industry
- Local authority financing and ESCO development – presentations, case studies and interactive discussion

Extra features:

- Pre-event site visit to Ardley Energy Recovery Facility.
- Start of day networking sessions
- End of day 1 drinks reception, sponsored by Valmet
- The Energy from Waste conference dinner - a highly popular and enjoyable way to network with fellow attendees.

Top speakers

industry experts



David Palmer-Jones

Chief Executive Officer, SITA UK; President FEAD

David Palmer-Jones was Chief Executive Officer of SITA Scandinavia from 2003 to 2006 before taking up the position of Operations Director for the Industrial and Commercial Division back in the UK. He was appointed Chief Executive Officer of SITA UK in September 2008. Since rejoining SITA UK, David has transformed the way the company views the management of waste for its customers moving towards a resource efficiency and recyclina-led approach.

David is also the President of the European Federation of Waste Management and Environmental Services and Board member, Resources & Waste UK.



Herman Huisman

Herman Huisman MSc, Senior advisor/Expert, RWS Environment, Agency of the Ministry of Infrastructure and Environment, the Netherlands

Herman Huisman is senior advisor/expert and coordinator international projects of RVVS Environment's waste management department. The waste management department is the competent authority responsible for monitoring of all waste streams, executing subsidy schemes, policy advisor for State Government and providing information to local government and private companies.

He is/was involved in projects in Brazil, Bulgaria, Canada, China, Colombia, Czech republic...



Peter Head CBE

Chief Executive, Ecological Sequestration Trust

Peter is a civil and structural engineer who has become a recognised world leader in sustainable development in cities and regions with leadership posts in AECOM and Arup. He has won many awards for his work including the Award of Merit of IABSE and in 2009 the Sir Frank Whittle medal of the Royal Academy of Engineering for a lifetime contribution to Innovation in Engineering and the Environment.

He created and lead the Arup planning and integrated urbanism team, which by 2011 had doubled in size to 800 people. He directed a number of eco-city development planning projects in China.

Plus:

Steve Lee Chief Executive Officer, Chartered Institution of Wastes Management

Jonathan Guthrie Project Investment Advisor, Scottish Government

Ian McAulay Chief Executive, Viridor

lan Wakelin CEO, Biffa

Ella Stengler MD, CEWEP

Ed Northam Head of Investment, UK Green Investment Bank

Ashish Anand Director, Investment Banking Division, Global CAPEX Financing Solutions, Barclays

Dean Mao GTS Energy, China

Martin Nye Director, Chinook Energy

George Giles Head of Environmental Power, Oil and Gas, Siemens plc

Nigel Atkinson, Head of Waste Infrastructure, Growth and International Policy, Defra

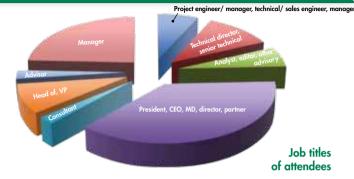
Lizzie Chatterjee, Industrial Heat Policy, DECC

For full details on all aspects of the conference, including programme updates and speaker information, visit www.efwlondon.eu

Who attended Energy from Waste 2014?

Non UK attendees





Who should attend Energy from Waste 2015?

Senior managers and decision-makers including technical, financial, business development, engineering and legal/advisory, from UK, Europe and global markets

- Central and local government, UK and overseas
- The waste industry, including municipal and merchant
- Energy, fuels and utilities
- Water, waste water and sewage companies
- Energy intensive industries
- Technology and project developers

- Cement industry, power stations and other industries using or considering using waste derived energy sources and fuels
- Waste and biomass producers
- Environmental, energy and engineering consultants
- Technical, research and academic personnel
- RDF / SRF producers and suppliers

- Civil and mechanical engineering and major construction companies
- Financial institutions and investment houses
- Planning, property and urban developers
- Vehicle and transport manufacturers and organisations
- Hydrogen development companies
- Consultants and advisors

Supporting organisations









Members of supporting organisations have a discount off the standard delegate rate. Please see the booking form for full details and **www.efwlondon.eu** for a full list of supporting organisations. Your industry association may well be supporting this year's conference, so check before you book.

Site visit

A unique opportunity to see a fully operational, brand new waste to energy plant, with a capacity of 300,000 tonnes pa. Spaces are limited.



Exhibiting

Exhibiting at Energy from Waste 2015 provides a uniquely focused and positive environment for senior-level information exchange and business growth. Attendees are actively keen to engage and network, with direct business generated at the event recorded. The exhibition package includes:

A complimentary delegate place • an exhibition space, 2m x 3m • furniture for your stand – a table and two chairs • lunch and refreshments with the delegates throughout the conference • your company profile and details included in the delegate handbook for long term reference • a half page advertisement in the delegate handbook to maximise your presence • a further delegate place at half price if required • your company logo and profile on the conference website, linking back to your own website

Current exhibitors





















See **www.efwlondon.eu** for details. Call +44 (0) 1722 717024 for stand availability and sponsorship.

Venue

Right in the heart of London, in the famous Lincoln's Inn Fields, the Royal College of Surgeons conference venue is perfectly located for all forms of transport and further meetings in the capital.

See **www.efwlondon.eu** for venue directions and accommodation options.

Energy from Waste conference dinner

A high-light of the event, the Energy from Waste conference dinner on 25th February provides an enjoyable way to network with fellow attendees and relax after a hard days conferencing. Dietary requirements catered for. Single seats and table bookings available.





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TUESDAY 24 FEBRUARY 2015

WEDNESDAY 25 FEBRUARY 2015

08.30-09.10 Registration and networking

Chairman's welcome 09.10-09.15

lan Crummack, Managing Director, Cobalt Energy

09.15-09.45 Towards a circular economy – Is there a role for energy recovery?

> Julio Garcia-Burgues, Head of Unit, DG Environment, European Commission

Keynote address:

09.45-10.15

Dan Rogerson, MP, Parliamentary Under Secretary of State for water, forestry, rural affairs and resource management

Has circular economy policy short changed energy? 10.15-10.35

David Palmer-Jones, CEO, SITA UK

The Dutch approach to resource management and 10.35-11.00 waste to energy

Herman Huisman MSc, Senior advisor/Expert, RWS Environment, Agency of the Ministry of Infrastructure and Environment, Government of the Netherlands

Discussion - Where is waste policy heading, and what 11.00-11.30 are the implications for waste to energy in terms of capacity and infrastructure? With panel quest:

Ella Stengler, MD, CEWEP; Dominic Hogg, Chairman, Eunomia

Optional Site Visit

An optional part of the conference, this year's site visit is to Viridor's newly opened Ardley Energy Recovery Facility in Oxfordshire.



11.30-12.00 Refreshments

12.00-12.20 The financing environment – an examination of the

changes to the electricity market and the implications for waste to energy

Nick Churchward, Partner, Burges Salmon

12.20-13.00 Questions and discussion – what is the impact of current financial mechanisms and what development s are emerging in the investment environment for waste

treatment infrastructure?

Ed Northam, Head of Investment, UK Green Investment Bank

lan McAulay, CEO, Viridor Nick Dawber, Managing Director, Energos

13.00-14.00/14.10 Lunch

14.10-16.15 **BREAKOUT SESSIONS 1-3**

BREAKOUT SESSIONS 4-6 16.30-17.30

Breakout sessions: Day

Wednesday 25 February 2015

Breakout session 1: C & I merchant funding and investment

Chairman: Adrian Judge, Director, Tolvik Consulting

14.10-14.30 Capacity, infrastructure and investment - the Scottish programme for sustainable delivery.

Jonathan Guthrie, Project Investment Advisor, Scottish Government 14.30-14.45 Questions

14.45-15.05 The rationale and reality of funding C&I waste projects

Chris Holmes, Managing Director, Waste and Bioenergy, UKGreen Investment Bank

15.05-15.25 Achieving financial close in the merchant C&I sector, for an ACT provider. Professor Hisanori Shimakura, Professional Engineer (Environmental Engineering), Kobelco Eco-Solutions Co., Ltd

15.25-15.45 Successful finance structures for merchant waste plants - novel approaches, workable solutions. Ashish Anand, Director, Investment Banking Division, Global CAPEX

Financing Solutions, Barclays

15.45-16.15 Questions and discussion, with panel guests: Nick Churchward, Partner, Burges Salmon; Adam Gordon, Investec **Breakout session 2: Market connect: Middle East**

Chairman: Ian Crummack, Managing Director, Cobalt Energy

14.00-14.45 Understanding the opportunities for waste to energy in the UAE and other parts of the Middle East. Olabode Esan, Manager, Business Development, Special Projects Unit, Masdar

Questions, discussion and networking

Breakout session 3: The RDF / SRF market – trade and development

Chairman: Ian Crummack, Managing Director, Cobalt Ene

14.45-15.05 RDF: Results and implications of the Defra Call for Evidence Nigel Atkinson, Head of Waste Infrastructure, Growth and International Policy, Defra

15.05-15.20 The market for RDF in Sweden – capacities and trends for future growth and development. Jenny Sahlin, PhD, Cosultant, Profu

15.20-15.40 RDF / SRF for the cement industry and other energy intensive industries quality and regulation, technical issues, capacity and market directions. Dirk Lechtenberg, Managing Director, MVW Lechtenberg & Partners

15.40-16.10 Questions and discussion, with panel guests:

Herman Huisman, RWS, the Netherlands; Dan Cook, External Affairs Manager, Viridor; Pandora Renee, Senior Technical Advisor, Environment Agency

16.15–16.40 Refreshments

Breakout session 4: C & I merchant funding facilitated networking session with SRF/ RDF producers and suppliers.

. Co-ordinated with involvement and input from the UK Green Investment Bank.

Green Investment Bank

Chairman: Adrian Judge, Director, Tolvik Consulting

16.40-17.30 Facilitators include:

Nick Churchward, Partner, Burges Salmon

Adam Gordon, Investec

Keith Riley, Managing Director, BH Energy Gap

16.10-16.30 Refreshments

Breakout session 5: Delivering ACTs commissioning and operation: lessons learnt

Chairman: Chindarat Taylor, Director, Resource Efficiency Pathway

16.30-16.50 Valmet - Lessons learnt after delivering a commercial scale waste gasification plant. Jari Viitala, Senior Sales Manager, Project Sales, EMEA, Valmet Power

16.50-17.10 Plasma Gasification - Design and Construction - Lessons Learnt. Matthew Cook Global Technology Leader, Foster Wheeler

17.10-17.30 Questions and discussion

Breakout session 6: Market connect: China and **South East Asia**

Chairman: Jon Swan, Head of Waste Management,

16.30-16.50 Successful Project Development in China for Advanced Treatment Technology

Kevin Willerton, VP, Strategic Alliances and Business Development, Westinghouse Plasma Corp

16.50-17.10 Market information, China, South East Asia

17.10-17.30 Discussion and networking

Networking drinks reception, sponsored by Valmet 17.30

19.30 **Energy from Waste conference dinner**



THURSDAY 26 FEBRUARY 2015

08.00-09.00	Networking
09.10-09.15	Chairman's welcome
	lan Crummack, Managing Director, Cobalt Energy
09.15-09.45	Waste policy from the Shadow Cabinet
	Barry Gardiner, MP, Shadow Minister (Environment, Food and Rural Affairs)
09.45-10.05	From waste to resource – how should the UK develop the circular economy?
	Steve Lee, CEO, CIVVM
10.05-10.35	Circular economy discussion panel – what is required to stimulate optimum resource management? Where does energy from waste fit into the circular economy?

Andrew Richmond, Policy and Programmes Manager (Waste), Greater London Authority; Professor Nilay Shah, Imperial College, London; Herman Huisman, Senior advisor/Expert, RWS Environment, Agency of the Ministry of Infrastructure and Environment; Ian Wakelin, CEO, Biffa

10 35-11 00 How can the cities of today become the low carbon, sustainable, integrated cities of tomorrow?

Prof Peter Head, CBE FREng HonFSE FRSA, Chief Executive, Ecological Seauestration Trust

11.00-11.30

11.30-13.10 **BREAKOUT SESSIONS 1-3** 13.50-17.00 **BREAKOUT SESSIONS 4-9**

Breakout sessions: Day 2

Thursday 26 February 2015

Breakout session 1: Local Authority waste treatment financing and solutions

11.30-11.45 What next for local authority waste infrastructure? Financial and feedstock considerations in future planning for waste treatment solutions.

Andrew Hartley, UK Green Investment Bank plc

11.45-12.10 Discussion: with panel guests

12.10-12.30 Developments in Local authority ESCOs - realising and capturing the value Didar Dhillon, Legal Director, Pinsent Masons

12.30-12.45 Facilitating local investment and regeneration through ESCO structuring: Knowsley Council case study. Rupert Casey, Head of Environmental Services, Knowsley Council

12.45-13.10 Discussion, with panel guest John Harrison, Executive Director Resources, Peterborough City Council

13.10-14.10 Lunch

Breakout session 4: Heat network delivery



14.10-14.25 Heat Networks in the UK: Opportunities and barriers to projects from concept to delivery. John Saunders, HNDU, DECC

14.25-14.45 Commercial and contractual aspects of heat delivery - the view from the energy plant operator

Chris Jonas, Head of Strategic Development, Viridor

14.45-15.05 The public sector's role in delivering heat networks and connecting energy from waste - how we're doing it in Devon

Melanie Sealey, Senior Economic Development Officer, Economy and Enterprise, Devon County Council, and Tony Norton, Director, Centre of Energy & the Environment, University of Exeter

15.05-15.30 Questions and discussion

15.30-15.50 Refreshments

Breakout session 7: Heat delivery workshop



15.50-16.45 Heat delivery workshop with facilitators. Keith Riley, MD, BH Energy Gap; Melanie Sealey, Senior Economic Development Officer, Economy and Enterprise, Devon County Council, and Tony Norton, Director, Centre of Energy & the Environment, University of Exeter; Chris Jonas, Head of Strategic Development, Viridor; John Saunders, HNDU, DECC

Breakout session 2: Integrating energy from waste into wider sustainable, smart city development

11.40-12.00 The Sustainable Energy Action Plan: an outline of Nottingham's integrated carbon reduction activities Antony Greener, Waste & Energy Services Manager, Nottingham City Council

12.00-12.20 Integration of waste management and waste to energy, with heating and cooling, into wider sustainable city development.

Anders Dyrelund, Senior Market Manager, Energy, Ramboll

12.20-12.40 Discussion: structural and policy requirements, technology drivers and choices

12 40-13 45 Lunch

Breakout session 5: Advanced technologies for energy, fuels and materials recovery in a resource efficient economy

13.45-14.05 Advanced treatment technologies in the circular economy – resource recovery and energy generation from industrial waste

Martin Nye, Director, Chinook Energy; Harry Perry, Technical Director, Chinook Energy 14.05-14.10 Questions

14.10-14.30 Demonstrating BioSNG production from waste. Phillip Cozens, Director, Progresive Energy 14.30-14.35 **Questions**

14.35-14.55 Gasification of biomass and waste coupled to IC reciprocating syngas engines Mr. Luis Sanchez, GM, EQTEC Iberia

14.55-15.00 Questions

15.00-15.20 Sustainable production of fuels and industrial chemicals from municipal solid waste with advanced technology

Alistair Reid, Manager Innovation, Partnerships & Biobased Materials, AkzoNobel, Tim Cesarek, Senior Vice President, Business Development, Enerkem

15.20-15.30 Questions

15.30-15.50 Refreshments

Breakout session 8: Market connect: Emerging Europe

15.50-16.10 Opportunities and market structure for waste to energy in the Czech Republic.

Michal Mravinac, Director of UK & Ireland Operations, Czech Invest

16.10-16.30 Market information, wider **Emerging Europe**

16.30-16.50 Discussion and networking

16.50-17.00 Chairman's summary and conclusion: Ian Crummack, MD, Cobalt Energy

17.00 Close of conference

Breakout session 3: Optimising | Hitachi Zosen operational efficiency

11.30-11.50 Increasing efficiency for existing and new EfW facilities: why and how to do it Dr.-Ing Ute Fleck, Senior Sales Manager, Hitachi Zosen

11.50-12.00 Questions

Inova AG. H7I

12.00-12.20 Retrofit and efficiency improvements for existing plants – a case study of Trondheim

WtE plant. Egil Evensen, Technical Director, Development, Statkraft Varme AS

12.20-12.30 Questions

12.30-12.50 Case study, plant upgrading Pr. Frederic Duong, VP Energy Systems, Technical & Performance Division, Suez Environnement

13.00-14.00 Lunch

12.50-13.00 Questions

Breakout session 6: Asset management,

APCR management: latest developments, greater efficiencies INOVA

Hitachi Zosen

14.00-14.20 Making the assets work harder: methods and systems for improving operational efficiency. George Giles, Head of Environmental Power, Oil and Gas, Siemens plc

14.20-14.25 Questions

14.25-14.45 Using advanced Plasma Gasification Technology for treatment of APC residues and medical waste. Dean Mao, GTS Energy, China 14.45-14.50 Questions

14.50-15.10 Energy efficiency and environmental performance at Copenhill – a technical outline Lasse Tobiassen, Chief consultant (Energy), Ramboll -Waste to Energy

15.10-15.15 Questions

15.15-15.30 Optimising operational efficiency key points discussion

15 30-15 50 **Refreshments**

Breakout session 9: Decarbonising industry

15.50-16.10 Energy from waste to decarbonise energy intensive industries: Lizzie Chatterjee, Industrial Heat Policy, DECC

16.10-16.30 Case study example

16.30-16.50 Questions and discussion

Energy from Waste 2015

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A map of the venue will be sent with your booking.

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