THE 11TH INTERNATIONAL EFW CONFERENCE Nigel Atkinson, Head of Waste Infrastructure, London DE DE Eebruary 2015 Growth and International Policy, Defra Julio Garcia-Burgues, Head of Unit, DG Environment, **European Commission** AT THE FOREFRONT OF WASTE TO ENERGY SINCE 200 Low-carbon, integrated, power, heat and fuel Sponsored by Hitachi Zosen Success stories: funding for C&I merchant plants INOVA Growth markets: RDF/SRF, **UK & international Business connections: facilitated** networking for C & I waste and RDF Valmet Delivery: heat network workshop **Operational efficiency:** making current plants work harder EOTEC Westinghouse Plasma Con Multi-solutions: the role of advanced GTS Energy a division of Alter NRG Com 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



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 recycling-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 RWS 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...



Andrew Kirkman

Finance Director, Viridor

Andrew was appointed to the Viridor Board in March 2011 and is responsible for leading the overall financial direction of the company.

Prior to joining Viridor, Andrew was Chief Financial Officer at Balfour Beatty Capital for four and a half years. Before that he was Global Head of Corporate Finance with Bovis Lend Lease, Director of M&A and Special Projects at KBR and spent six years in investment banking at Schroders/Citi becoming Vice President.

He qualified as a chartered accountant with Deloitte after obtaining a 2:1 in Philosophy, Politics and Economics from Exeter College, Oxford.

Plus:

industry experts

Steve Lee Chief Executive Officer, Chartered Institution of Wastes Management

Jonathan Guthrie Project Investment Advisor, Scottish Government

Ian McAulay Chief Executive, Viridor

Ian 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

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

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.



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

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.





Sponsored by

Hitachi Zosen Valmet 💸

EBIOSS Westinghouse Plasma Corporation

WEDNESDAY 25 FEBRUARY 2015

08.30-09.10	Registration and networking
09.10-09.20	Chairman's welcome Ian Crummack, Managing Director, Cobalt Energy
09.20-09.50	Towards a circular economy – Is there a role for energy recovery? Julio Garcia-Burgues, Head of Unit, DG Environment, European Commission
09.50–10.05	An outline of current waste policy Jacob Hayler, Executive Director, Environmental Services Association
10.05-10.25	Has circular economy policy short changed energy? David Palmer-Jones, CEO, SITA UK; President FEAD
10.25-10.50	The Dutch approach to resource management and waste to energy Herman Huisman MSc, Senior advisor/Expert, RWS Environment, Agency of the Ministry of Infrastructure and Environment, Government of the Netherlands
10.50-11.30	Discussion - Where is waste policy heading, and what are the implications for waste to energy in terms of

		capacity and infrastructure? With panel guests: Ella Stengler, MD, CEWEP; Mike Brown, Managing Director, Eunomia
	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
on	12.20-13.00	Questions and discussion – what is the impact of current financial mechanisms and what developments are emerging in the investment environment for waste treatment infrastructure? Ed Northam, Head of Investment, UK Green Investment Bank Andrew Kirkman, Finance Director, Viridor Nick Dawber, Managing Director, Energos
, ent	13.00-14.00/1	4.10 Lunch
111		

ł	16.30-17.30	BREAKOUT	1-6

Breakout sessions: Day

Breakout session	1: C & I merchant funding and	d
investment		

Chairman: Adrian Judge, Director, Tolvik Consulting

14.10-14.30 Capacity, infrastructure and investment - the Scottish programme for sustainable delivery. Jonathan Guthrie, Head of low carbon investment, 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. 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

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 Breakout session 2: Market connect: Middle East

14.00-16.15

Chairman: Ian Crummack, Managing Director, Cobalt Energy

14.00-14.40 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

BREAKOUT SESSIONS 1-3

Questions, discussion and networking

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

Chairman: Ian Crummack, Managing Director, Cobalt Energy

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

16.10–16.30 Refreshments

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

Chairman: Chindarat Taylor, Director, Resource Efficiency Pathway 16.30-16.50 Three years of commercial operation of Valmet waste gasification

plant – lessons learnt. Juhani Isaksson, Director, Gasification Technology, Valmet 16.50-17.10 Staged pyrolysis and gasification

16.50-17.10 Staged pyrolysis and gasification – learning from 13MW modular plant in third year of its operation. Robert Asquith, Director, Syngas Systems Ltd (previously NEAT Technology Group Ltd) 17.10-17.30 Questions and discussion Breakout session 6: Market connect: China and South East Asia

Wednesday 25 February 2015

Chairman: Jon Swan, Head of Waste Management, Atkins

16.30-16.50 Successful Project Development in China for Advanced Treatment Technology Kevin Willerton, VP, Strategic Alliances and Business Development, Westinghouse Plasma Corp

16.50-17.05 An introduction to waste to energy market opportunities in Indonesia (title tbc) Jay Singgih, Vice President for Business Development & Investment, Bumi Laut Group, Indonesia

17.05-17.30 Discussion and networking

17.30 Networking drinks reception, sponsored by Valmet
 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; Mike Thair , Group Development Director, Biffa
10.35-11.00	How can the cities of today become the low carbon, sustainable, integrated cities of tomorrow? Keith Riley, Board Member, Institute for Sustainability; Managing Director, BHEnergyGap,
11.00-11.30	Refreshments
11.30-13.10 13.50-17.00	BREAKOUT SESSIONS 1-3 BREAKOUT SESSIONS 4-9

Breakout sessions: Day

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 guest Joel Hull, Project Director, Residual Waste Services, Norfolk County Council

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

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, with panel guest James Snape, Parner, Nabarro

15.30–15.50 Refreshments

Breakout session 7: Heat delivery	
workshop	N A B A R R C

Chairman: James Snape, Partner, Nabarro 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. Chris Manson-Whitton, Director,

Progressive Energy 14.30-14.35 Questions

14.35-14.55 Gasification of biomass and waste coupled to IC reciprocating syngas engines 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 - 16.20 An introduction to waste market and infrastructure opportunities in Slovakia. Martin Kovačič, Director, Ekos Plus 16.20-16.50 Discussion and networking

Chairman's summary and conclusion: Ian Crummack, MD, Cobalt Energy 16.50-17.00 **Close of conference** 17 00

Thursday 26 February 2015

Westinghouse Plasma Corporation

Breakout session 3: Optimising	Hitachi Zosen	
operational efficiency	INOVA	
Chairman: Ian Crummack, MD, Cobalt Energy		

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 Inova AG 11.50-12.00 Questions

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 Frédéric Aguesse, Waste Technical & Performance Vice President, Suez Environment Group 12.50-13.00 Questions

13.00–14.00 Lunch

Breakout session 6: Asset management, APCR management: latest Hitachi Zosen developments, greater efficiencies INOVA

Chairman: Ian Crummack, MD, Col

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, Deputy General Manager, GTS Energy, China

14.45-14.50 Questions

14.50-15.10 Energy efficiency and environmental performance at Copenhill – a technical outline Jeppe Rasmussen, Lead consultant (Energy), Ramboll – Waste to Energy

15.10-15.15 Questions

15.15-15.40 Optimising operational efficiency key points discussion

Panel guests: Ute Fleck, Hitachi Zosen Inova, Frederic Aguesse, Suez Environment Group; Jeppe Rasmussen, Ramboll – Waste to Energy

15.40–16.00 Refreshments

Breakout session 9: Decarbonising industry

16.00-16.20 Energy from waste to decarbonise energy intensive industries: Arjan Geveke, Assistant Director, Energy Policy, Green Economy Team, Department of Business Innovation & Skills

16.20-16.50 Discussion and networking Panel guests: George Giles, Siemens plc

Energy from Waste 2015

25 – 26 February 2015 | Royal College of Surgeons, London



20 20 1001			, London		
	online at: www.efwlondon.eu	Booking line: +44 (0)1722 717024; +44 (0)207501674	Cheque: to the address	below Fax: Request an invoid	
Your Details:	Your Details: (Photocopies of this form accepted). Title (Dr, Mr, Mrs etc) Forenames Surname		Payment Details		
Title (Dr, Mr, Mrs etc)					
Forenames			 I wish to pay by Please debit my: 	y Credit Card	
Surname			Visa Mastercard Maestro American Express		
Job title		Card no			
Company name					
Billing address			Valid from	Expiry date	
bining dudiess	Town/city Post code				
Town/city			Issue no (Maestro cards o	only] CVV/Security number	
Telephone			Signature	Date	
Email	Email		• Cheque		
Dietary requirements	Dietary requirements			payable to MA Business & Leisure Ltd	
	I understand that this registration booking is subject to the booking conditions.		• Invoice		
Signature		Date	Requesting an invoice and signing this form will secure your place at the conference. All invoices must be paid in full before the event. See booking condition 5.		
address, or equive Supporting orga	2014 event) (must be accordent non-UK government ac	00 + VAT = £1620.00	services address (inclu order number. We are information. We are u	lease provide the correct billing address or shared luding the relevant payable codes) and a purchase re unable to process any bookings without this unable to send out invoices to home addresses. FULL WITH CONTACT NAME IF DIFFERENT FROM ABOVE	
		0 + VAT = £1914.00			
I wish to attend th		2015	PO Number		
Exhibiting at this e	Exhibiting at Energy from Waste 2015 Exhibiting at this event provides you with the opportunity of reaching your target audience and actively participating in the conference.		Contact		
The exhibition pac space, 2m x 3m, f	ckage includes: A complime	entary delegate place, a stand able and two chairs, Lunch and	Full invoice address		
	Exhibition stand package £3150.00 + VAT = £3780.00				
Exhibition stand (please see the flo	Exhibition stand number: (please see the floorplan at http://www.efwlondon.eu/interested-exhibiting) Energy from Waste conference dinner				
				Post code	
Table of ten		00 + VAT = £1050.00	Telephone		
Individual dinner	r place £95 s required	.00 + VAT = £114.00 ∟		Dete	
		onference participants must pay VAT at its	Signature	Date	
Conference fee inclu	udes	The Venue		Booking conditions	
 Entrance to the confe Lunch and refreshme Full conference docu 	erence	The Royal College of Surg 34–43 Lincoln's Inn Fields, http://www.rcseng.ac.uk/	London, WC2A 3PE	MA Business & Leisure Ltd (The Company) accepts bookings ur the following conditions: Returning the signed registration form constitutes a firm bookin The Company reserves the right to cancel a booking if payme	
Confirmation of boo		A map of the venue will be se		is not made six weeks prior to the conference taking place. A outstanding payment becomes the responsibility of the signate	
All bookings will be co unless otherwise stated		How did you hear about to Direct mailing	the conterence?	made on the reservation form 3 Written cancellations received six weeks prior to the conferen will be accepted and a refund less a 10% administration fee	
Please contact us if you	u have not received your			will be accepted and a refund less a 10% administration fee will be made. After this date, no refunds can be given. Verba generalizities will get be geografied. If will be geografied in a	

- confirmation 5-7 days after submitting your booking.
- $\Box\,$ I am interested in attending the site visit

Exhibition and Sponsorship

If you are interested in exhibiting or sponsoring this event, please contact + 44 (0) 1722 717024 or email efw@markallengroup.com

- Recycling & Waste World website
- Other website (please specify)
- Advert in magazine (please specify)
- □ Other (please specify)

- viritien canceitations received six weeks prior to the conterence will be accepted and a refund less a 10% administration fee will be made. After this date, no refunds can be given. Verbal cancellations will not be accepted. If written cancellation is not received six weeks prior to the conference full payment will still be due irrespective of whether the delegate attends the conference. Substitute delegates are welcome at any time.
- 4 MA Business & Leisure Ltd reserves the right to make changes to the speakers and programmes without prior notice. Speakers approached at time of print.
- Full terms and conditions can be viewed at: http://www.recyclingwasteworld.co.uk/terms-and-conditions/

For more information visit **www.efwlondon.eu** or telephone: **+44 (0)1722** <u>717024</u> email: **efw@markallengroup.com**

Please return to: Conference Bookings, MA Business & Leisure Ltd, Jesses Farm, Snow Hill, Dinton, Wiltshire, SP3 5HN, UK

Data Protection – By registering for a conference you permit MA Business & Leisure to provide you with information relating to your booking. If you

would prefer not to receive additional communications from MA Business & Leisure please tick here $\square.$

If you consent to your information being shared with other companies working in energy generation and waste management, please tick here \square

01722717057



For full details on all aspects of the conference, including programme updates and speaker information

Book your place today

