

Gasplasma Connect

Publication from
Advanced Plasma Power

Edition 2
Spring 2013

APP Shortlisted by ETI

ETI competition to design
and build most efficient
energy from waste
demonstrator plant

Webcast:

Renewable Sources of
Hydrogen for the
Chemical Industry

Infographic:

Industry perspective on
Securing Funding
for EfW Projects

APP's interactive
process diagram

APP featured
on BBC Radio 4
'Costing the Earth'



A message from our CEO

Welcome to our latest newsletter, where we share with you news of recent APP developments and forthcoming events. So far, 2013 has been a busy and exciting year. We recently announced that we have been shortlisted by the ETI in a competition to design and build the most efficient energy from waste demonstrator plant. Our consortium will design and develop a commercial demonstration facility with an electrical output of 6MWe. Our Gasplasma® technology will be used to produce a clean syngas as a fuel for the development and demonstration of high-efficiency power island solutions. More details can be found within this edition of Gasplasma Connect.

Also within this newsletter we feature our most recent webcast, which looks at waste as a renewable source of hydrogen. Additionally, you can keep up to date with the latest industry news and events, read about the launch of our brand new website and find a link to the recent BBC Radio 4 interview featured on "Costing the Earth".

We hope you find this latest edition of interest!

Rolf

Rolf Stein
CEO





APP shortlisted by the ETI

ETI competition to design and build the most efficient energy from waste demonstrator plant. The Energy Technologies Institute (ETI) is a public-private partnership between global industries - BP, Caterpillar, EDF, E.ON, Rolls-Royce, Shell and the UK Government.

Advanced Plasma Power (APP) is one of three companies that has been selected to lead a consortium that will compete to design the most cost-effective, economically viable and efficient commercial energy from waste demonstrator plant possible.

The three consortia will design and develop a plant to demonstrate highest possible efficiencies for plants operating at a commercial scale of between 5 to 20 megawatts (MWe) output. The winning plant could be designed, built, tested and in operation by 2015.

The aim of the ETI commissioned and funded £2.8m project is to demonstrate how such a plant operating at this scale could create energy from waste at efficiencies higher than previously produced in the industry. The challenge is that each complete system will need to have an end-to-end net electrical efficiency of at least 25%.

The full press release can be viewed here:

<http://blog.advancedplasmapower.com/latest-news/app-shortlisted-by-the-eti-in-competition-to-design-most-efficient-energy-from-waste-demonstrator-plant/>



The Dash for Ash

Rolf Stein's BBC Radio 4 interview featured on "Costing the Earth"

Man's effect on the environment, questioning accepted truths, challenging those in charge and reporting on progress towards improving the world. Presenters, Tom Heap and Dr Alice Roberts, travel the UK and the world in search of solutions to the challenges facing the natural world and the people and wildlife that live in it.

In this episode, Tom Heap discusses whether burning our waste to create energy is the sustainable solution we need. He takes an in depth look at the increasingly high tech waste world, where alternative technologies are providing new answers to the ways in which we

treat waste as well as the shift in thinking to embrace the view of waste as a resource. The episode features an interview with APP's CEO, Rolf Stein, discussing the Gasplasma® process and role it plays in helping to improve our world.

Listen to the podcast here:

<http://www.advancedplasmapower.com/multimedia/audio/costing-the-earth-dash-for-ash-190213/>

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Transforming Waste
into Energy & Fuels

OUR COMPANY



Advanced Plasma Power (APP) is a world leader in advanced waste-to-energy and fuels technology employing our patented Gasplasma® technology.

OUR TECHNOLOGY



Our Gasplasma® process is a clean, modular and scalable solution which delivers high efficiencies whilst minimising visual and environmental impact.

YOUR BENEFITS



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CONTACT US

FIRST NAME

LAST NAME

COMPANY

LATEST NEWS

APP shortlisted for 2013
Environment and Energy Awards

Advanced Plasma Power (APP) is pleased to announce that it has been shortlisted [...]

A Look into Shale Gas Exploration
and the Alternatives

The last Autumn Statement announced tax breaks for shale gas exploration and gave [...]

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Launch of our
new website

APP is pleased to announce the launch of its brand new website. Check out the new site here:
www.advancedplasmapower.com

www.advancedplasmapower.com • +44 (0)1793 238550



Webcast

Exploring Renewable Sources of Hydrogen for the Chemical Industry

APP recently hosted a webinar on "Exploring Renewable Sources of Hydrogen for the Chemical Industry". Waste to Syngas (WtS) processes are some of the most readily available and viable solutions helping to address the growing challenges faced by chemical companies today, such as potential increasing costs of energy, long term security of supply and increased pressure to demonstrate effective corporate and social responsibility.

Rolf Stein, CEO, was joined by Simon Jones, Global Strategic Sales Executive, to look at how APP's advanced WtS technology, Gasplasma®, can offer a viable solution to address these challenges.

Watch the webcast here:

<http://www.advancedplasmapower.com/multimedia/video/app-webinar-exploring-renewable-sources-of-hydrogen-for-the-chemical-industry/>

For further information please contact Simon Jones: simon.jones@app-uk.com

THE 9TH INTERNATIONAL EFW CONFERENCE

Energy from Waste

London 27-28 February 2013

TOMORROW'S ENERGY TODAY

APP recently exhibited at the Energy from Waste Conference in London, which also saw presentations and panel debates involving Rolf Stein, CEO, and Chris Chapman, Chief Technical Officer. The conference itself was preceded by a well-attended site visit to our Swindon plant, where a number of APP's key figures were on hand to discuss the technology and provide a detailed overview of the Gasplasma® process.

Feedback from the event has proven it to be an excellent forum for networking with key members of the industry and for gaining a greater understanding of the policy landscape, new technology developments and project finance.



APP a finalist for Innovation Award

APP was shortlisted as a finalist for the 'Innovation Award for Energy from Waste' category at the Environment and Energy Awards in recognition of its unique, patented Gasplasma® technology. These well-established Awards celebrate excellence and innovation from businesses and technology providers in the market place and are seen as one of the highest accolades for sustainability in the corporate sector.

The Innovation Award for Energy from Waste showcases the most exciting new technologies being developed to tackle environmental issues.



<http://blog.advancedplasmapower.com/latest-news/advanced-plasma-power-shortlisted-for-2013-environment-and-energy-awards/>

News & Events

The latest from Advanced Plasma Power

Recent Events

Sustainability Live, April 16th - 18th 2013

APP's CEO, Rolf Stein, spoke at the Energy from Waste Expo as part of Sustainability Live.

<http://www.sustainabilitylive.com/Content/EfW-Energy-from-Waste-Live-The-new-power-behind-energy-from-waste/5/>

Upcoming Events

Waste to Energy City Summit, May 8th & 9th 2013

APP's CEO, Rolf Stein, will be appearing as a panellist at the Summit.

<http://www.advancedplasmapower.com/events/app-speaking-and-exhibiting-at-the-world-waste-to-energy-city-summit/>

RWM Exhibition and Conference, September 10-12th 2013

APP will be sponsoring, speaking and exhibiting at the event.

www.rwmexhibition.com

Resources

Webcast

Exploring Renewable Sources of Hydrogen for the Chemical Industry

<http://www.advancedplasmapower.com/multimedia/video/app-webinar-exploring-renewable-sources-of-hydrogen-for-the-chemical-industry/>

Infographic

Industry Perspective – Securing Funding for EfW Projects

Attracting investment into renewable energy projects is key to providing energy security and the right energy mix into the future. However, ensuring the balance between what investors want to see and project efficiency is not always straightforward. Our latest infographic looks at how Gasplasma® uses waste to generate electricity, heat and alternative fuels. The infographic also provides guidance on overcoming the hurdles of securing project funding.

<http://www.advancedplasmapower.com/file/whitepapers/app-infographic-securing-project-funding/>

Gasplasma® Interactive Process Diagram

Watch a short presentation showing how Gasplasma® offers a genuinely game-changing solution for a zero waste future.

<http://www.advancedplasmapower.com/solutions/our-technology/>



News & Industry

Radio Feature

In case you missed it, APP featured on the BBC's Radio 4 'Costing the Earth' programme on Tuesday 19th February. The recording is still available for download here: <http://www.advancedplasmapower.com/multimedia/audio/costing-the-earth-dash-for-ash-190213/>

Press Release: APP shortlisted for ETI project

<http://blog.advancedplasmapower.com/latest-news/app-shortlisted-by-the-eti-in-competition-to-design-most-efficient-energy-from-waste-demonstrator-plant/>

February Blog: Waste Disposal in the Built Environment

Rolf Stein, CEO, takes a look into the issues surrounding increasing waste levels in urban areas and how the Gasplasma® process can provide a solution. <http://blog.advancedplasmapower.com/whats-been-happening/rolf-stein-ceo-discusses-waste-disposal-in-the-built-environment/>

Article: Technology innovator speaks at the Energy from Waste Expo

Advanced Plasma Power's chief executive, Rolf Stein, shares his thoughts ahead of Sustainability Live's new event. http://www.edie.net/library/view_article.asp?id=6297&title=Technology+innovator+speaks+at+Energy+from+Waste+Expo+

Article: Smart cities demand that technology and policy keep up

Rolf Stein, CEO, explains the need for technology and policy to keep up with the demands of a rising population and the associated challenges of increasing waste, pollution and diminishing resources. <http://www.eco-business.com/opinion/smart-cities-demand-that-technology-and-policy-keep-up/>

March Blog: The Role of Gasplasma® Technology in Expanding Sources of Green Gas

Rolf Stein, CEO, discusses the role Gasplasma® technology can play in expanding sources of green gas. <http://blog.advancedplasmapower.com/whats-been-happening/rolf-stein-ceo-discusses-the-role-gasplasma-technology-can-play-in-expanding-sources-of-green-gas/>

APP have recently gained 18001 accreditation, to view the certificate click here:

<http://www.advancedplasmapower.com/resources/uploads/BS-OHSAS-18001Certificate.pdf>

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