



WORLD WASTE TO ENERGY ROADMAP FOR THE FUTURE

With 250 waste to energy leaders gathered in London for the 2015 World Waste to Energy City Summit, we pooled the vast array of expertise in the room to create a vision for the future of the waste to energy industry.

Divided into small groups, delegates were asked to generate ideas across the following core areas: Policy, Technology, Finance, Feedstock and Public Engagement.

We collated these ideas to create the following roadmap for the future of the industry:

2015

POLICY

- Government committed to the promotion of renewables
- Waste elevated politically: Policy driven centrally from one department
- A switch from subsidies (carrots) towards taxation (sticks)
- Clarity over CfDs with a better risk/reward balance for developers
- Consistency over planning decisions nationally
- Mandatory separation of biowaste by 2025
- Long-term policy stability beyond the 5-year government cycle

TECHNOLOGY

- ACT proven to work long-term, including O&M costs
- Proven and transparent efficiency figures of over 40%
- Scale of plants accurately matched to each waste stream
- ACT plants producing gas, liquid fuels and chemicals
 - Heat as a reliable revenue stream, with district heating integrated into all new urban planning

FEEDSTOCK

- Rebirth of the proximity principal - local waste for local plants
- Scale of plants smaller so less risk in sourcing feedstock
- Waste owners offering stable long term supply to ACT facilities
- Clearly defined and standardised RDF specification driven by the market
- Stringent SRF testing for export with greater enforcement

FINANCE

- Ready availability of finance for merchant plants
- Help given to the funding market to assess the merchant waste risk more accurately
- Refinancing available during the operational period - with GIB taking on some of the risk
- More commercial lenders attracted into the sector, reducing overall financing costs
- Better risk-sharing schemes between the EPC contractor, developer and technology provider

Save the Date:

WORLD WASTE TO ENERGY CITY SUMMIT
May 24-25, 2016

For more information on how you get can involved in shaping the debate at the 2016 summit, contact:

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rethink.

PUBLIC ENGAGEMENT

- A new generation with a strong awareness of the value of waste as a resource
 - W2E perceived the same as any other piece of strategic infrastructure
- Better understanding of the trade-offs between centralised and distributed plants
- Outreach and education about the value / benefits of waste separation and collection
 - Standardised infrastructure and rules for waste separation at source
 - Public perception of waste to energy matches that of Copenhagen

2020?

