

Advanced Integrated Waste Management and WtE Demonstration

LahtiStreams IP

Contract No: TREN/05/FP6EN/S07.54003/518338

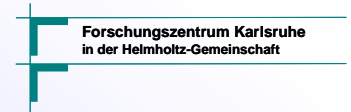
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PARTIES INVOLVED

Lahti Energia Oy (co-ordinator)	Finland
Technical Research Centre of Finland (assistant co-ordinator)	Finland
Lassila & Tikanoja Oy	Finland
HLC Group	Portugal
ENERGI E2 A/S (part of DONG Energy)	Denmark
Forschungszentrum Karlsruhe	Germany

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OBJECTIVES

To demonstrate complete advanced waste management chain including:

- * waste processing
- * material recovery
- * SRF/RDF production
- * **advanced high efficiency WtE plant**
- * further treatment of ashes

And to assess competitiveness of this chain, develop further WtE technology towards even more advanced and efficient power production.

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HLC
Ingeniería e Gestión de Proyectos, SA

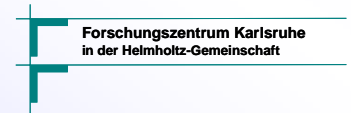
DONG
energy

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Forschungszentrum Karlsruhe
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WORK PACKAGES

- WP1 Waste processing and SRF/RDF production
- WP2 Lahti WtE plant demonstration
- WP3 Comparison of WtE technologies
- WP4 Improvement and dissemination of Lahti WtE technology
- WP5 Training & Dissemination
- WP6 Co-ordination and management

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WP5 Training & Dissemination

WP1 (R&D)
Waste processing
and SRF/RDF
production

**WP2
(Demonstration)**
Lahti Wt plant

WP3 (R&D)
Comparison of WtE
technologies

WP4 (R&D)
Improvement and dissemination of Lahti WtE technology

WP 4.1
Gas cleaning

WP 4.2
Ash utilisation

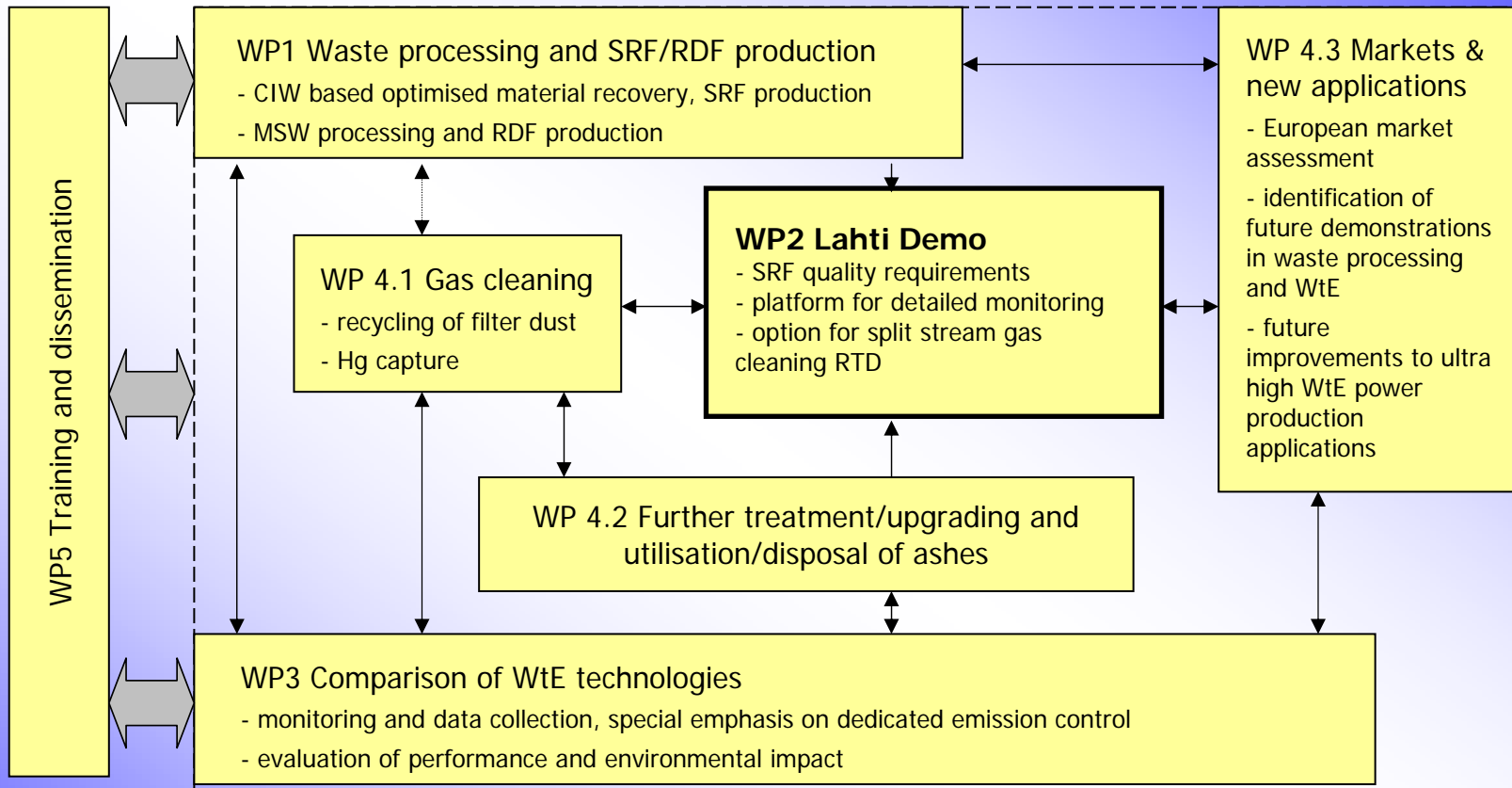
WP 4.3
Markets & new
applications

WP6 Co-ordination and Management

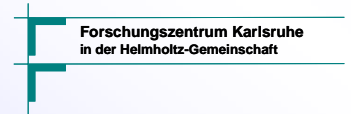
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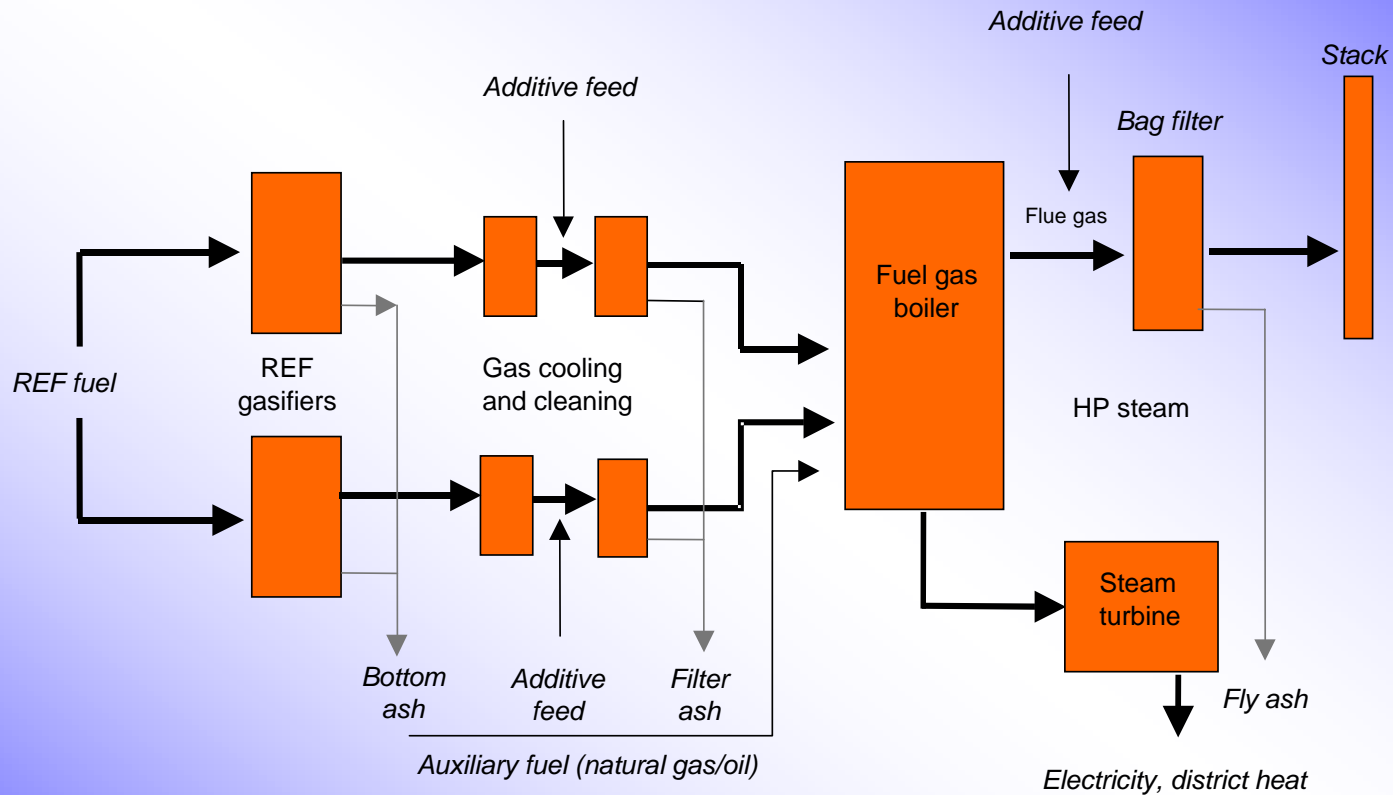
WP6 Co-ordination



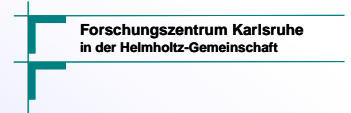
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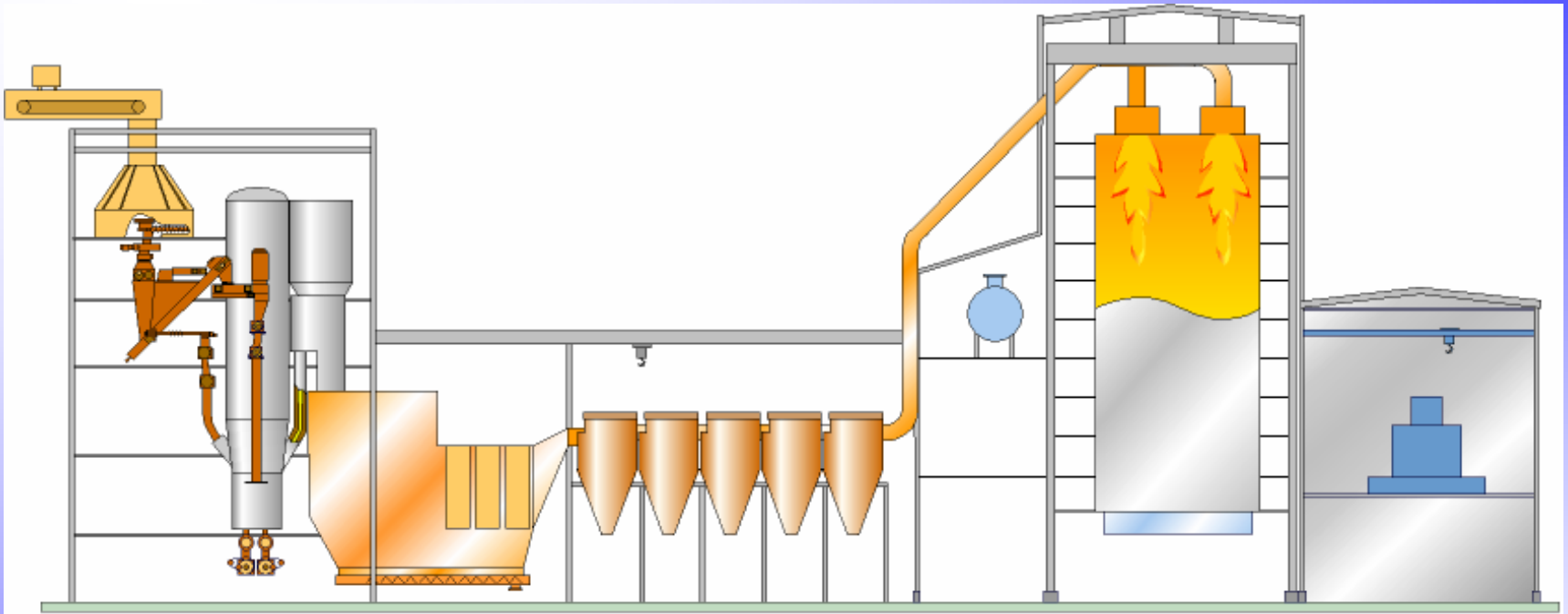


Lahti stand alone gasification plant process diagram



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Lahti 160 MW_{fuel} stand alone gasification plant

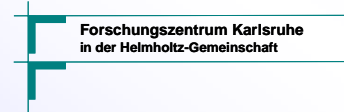
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BUDGET AND SCHEDULE

Total budget 23,5 M€

Grant from EC 8,7 M€

Starting date 1.6.2006

Duration 48 Months

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