

A new approach to the economic, sustainable and climate friendly remediation

Dr. Ditmar Gruß¹, Diethelm Köhnk²

ENVIROTHERM

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Your Questions

Large-scale contaminated areas of the oil industry close to densely populated urban areas often block the structural development of the entire region. The implementation of remediation concepts often fails in **non-existent financial resources and the lack of remediation technologies, waste disposal and recycling options** of the residues.

Our Solution

In order to solve this problem under the consideration of **economic, sustainable and climate friendly remediation** in the overall context of today's energy policy and social responsibility, a **new long-term concept** for the remediation of such sites in combination with **sustainable waste recycling strategies** was developed by Baufeld together with Envirotherm:

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This concept aims at the use of the **calorific value** of the residues for **power and heat production** using a special incinerator based on a circulating fluidized bed (**CM-CFB**) or gasification technology.

The overall goal is to transform large quantities of residues over years into electrical energy and heat, making the remediation can be done economically.

This concept includes the **planning of the system, the remediation of the sites**, i.e. the excavation, treatment of the waste to a usable fuel in the combustor in combination with **long-term waste management concepts** in the regions. The remediated areas are then available for the further development of urban space and the region.

Sustainability and Advantages

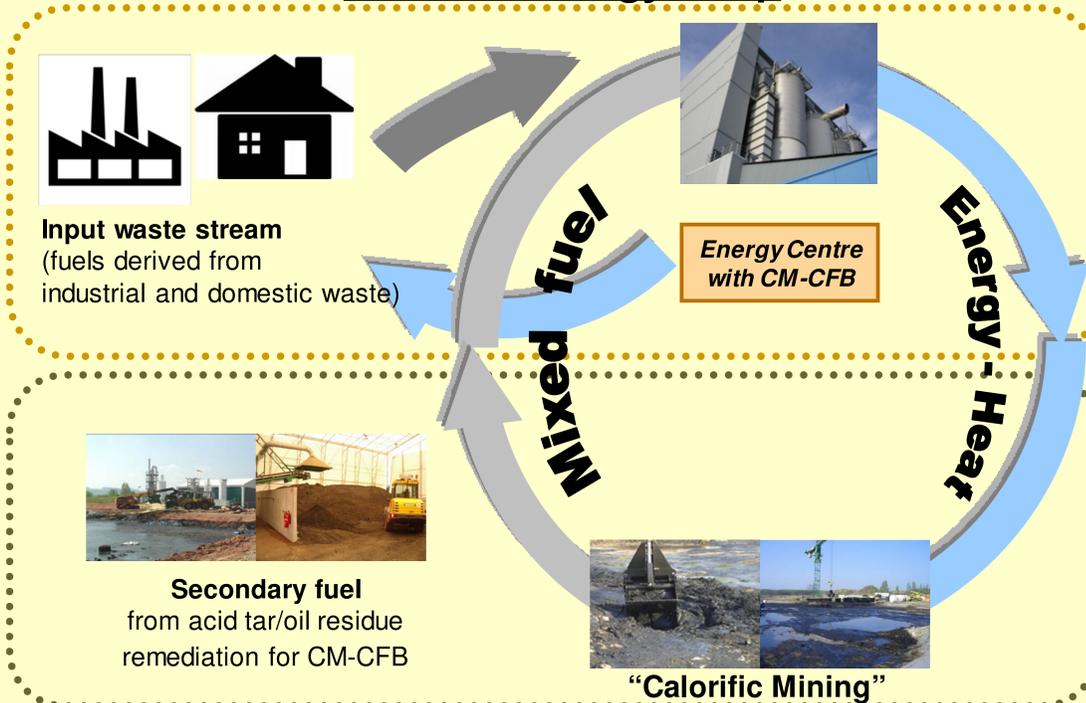
This concept is sustainable in terms of a **final, long-term disposal** of waste by means of **steam power and heat production** and finally **CO₂ savings**.

In addition, it allows a gradual deployment of the remediated areas for development of the region under provision of long-term waste management concepts.

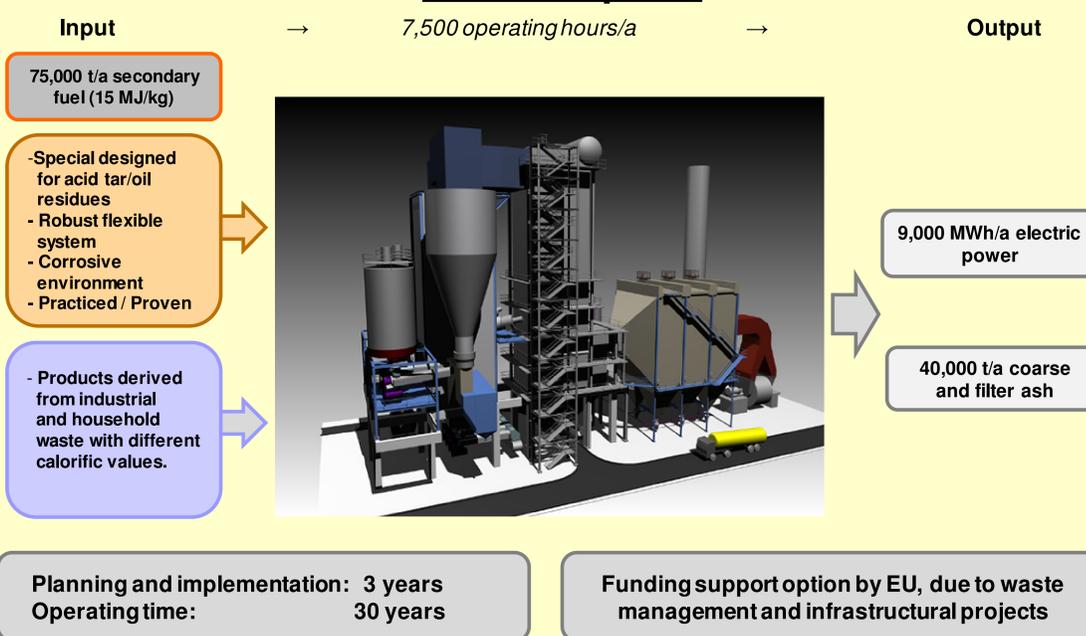
Examples of sites



CM-CFB Energy Loop



CM-CFB plant



¹ BAUFELD-UMWELT-ENGINEERING GmbH

Chemnitzer Str. 3
09123 Chemnitz (Germany)

Phone: +49 (371) 2626 600
Fax: +49 (371) 2626 699
info@calorific-mining.com
www.baufeld.de

² Envirotherm GmbH

Ruhrallee 185
45136 Essen (Germany)

+49 (201) 6346 674
+49 (201) 6346 919
info@calorific-mining.com
www.envirotherm.de

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