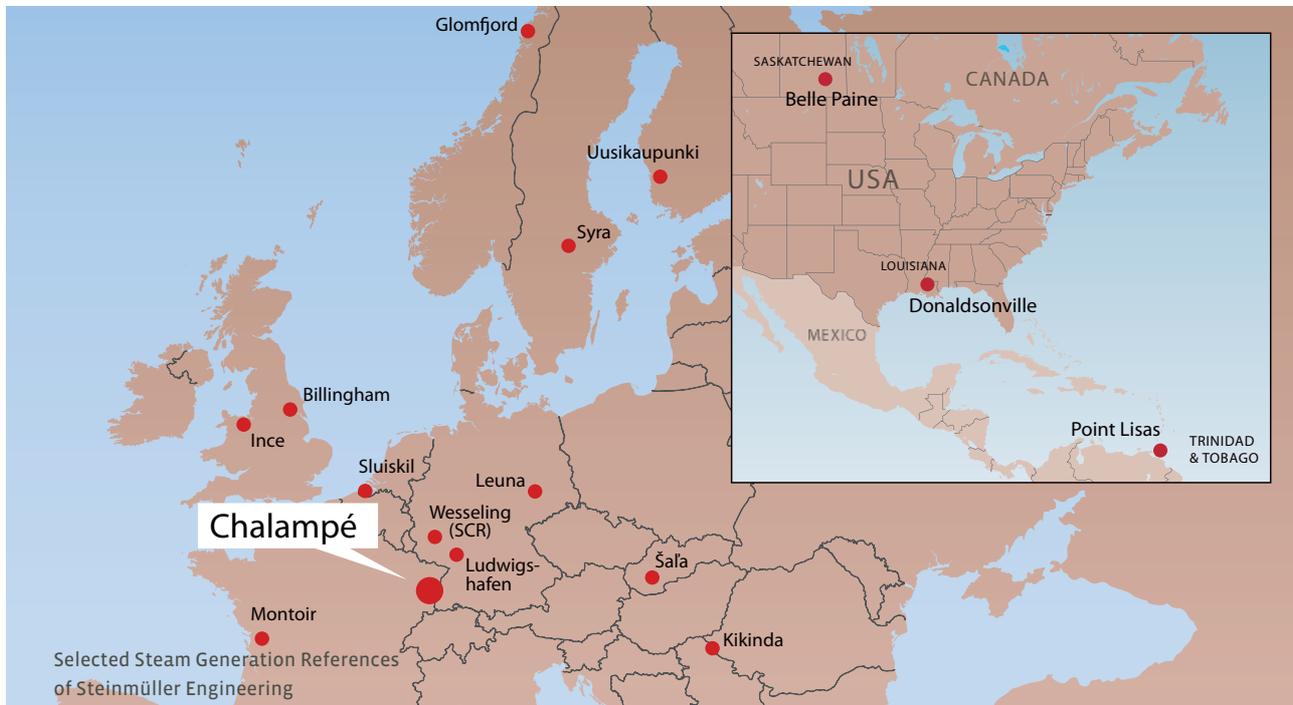


Solvay / Butachimie Chalampé

Waste Heat Boiler for Catalytic
HCN Synthesis in a Nylon Plant

Steam Generation Technology



Achievements:

- Replacement of waste heat boiler with improved design features
- Capacity increase of boiler by 15%
- Improved cooling of critical components

Boiler design:

- Application: catalytic HCN synthesis, steam generation and cooling of hot process gases (> 1100°C)
- Vertical fire-tube boiler with natural circulation, 121 t/h, 26.5 bar, 227°C
- Conical design of tube sheet for improved steam discharge
- Engineering and supply by Steinmüller Engineering in 2013

Scope of Supply:

- Design of new waste heat boiler for the existing plant
 - Process engineering
 - Mechanical design (basic and detail)
- Manufacturing and supply of boiler
- Transport to site
- Supply and installation of refractory

Literature can be provided on request

- Presentation on Steinmüller Engineering Conference 2013

Please contact us for further information.

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