



The
High-Temperature
Corrosion Center

CHALMERS

High temperature corrosion problems during gasification of biomass and waste

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Project goals

- Contribute to the prevention of corrosion problems in gasifiers
 - For example carburisation and chlorination
 - In particular of heat exchanger surfaces
- Generate new corrosion knowledge of interest for gasification of biomass and waste regarding the following generic questions:
 - What is the influence of chlorine (KCl/HCl) in reducing environment?
 - What is the influence of the reducing environment's composition?

Project contents

- Laboratory tests
 - Effect of chlorine
 - Effect of the reducing environment's composition
- Field tests
 - Värö gasifier – analysis of samples from previous project
 - Chalmers gasifier
 - Cortus gasifier in Köping – forthcoming work

Ph.D. defence on Friday (18 March, 13:00)



Welcome!