

INP Reference

Kiel – Waste Incineration System

LOCATION: Kiel, Germany

SERVICES: Project management, Basic-engineering and pre-engineering

INDUSTRY BRANCH/TYPE OF PLANT: Power Generation, Waste incineration systems

CLIENT: Müllverbrennung Kiel GmbH & Co. KG

TASK

Preparing a study on optimizing the combustion power controls with the following objectives:

- Reducing the fluctuation range of steam production
- Ensuring burnout on a sustained basis
- Optimizing the control behavior of the air ducting

CONTENTS OF THE CONCEPT STUDY

- Analysis of the existing combustion power controls
- Plant assessment
- Operating data evaluation
- Process analysis
- Process engineering analysis of the information
- Carrying out test runs
- Identification of weak points

SUMMARY OF THE CONCEPT STUDY PREPARED

- Optimization of the existing combustion power controls
- Concept for optimized combustion power controls
 - Stable steam production
 - Stabilization of the control system
 - Constant flue gas volume
 - Ensuring burnout
 - Safe burnout even with poor quality refuse
 - Improvement in plant effectiveness
 - Reduction in manual interventions
 - Operating method to reduce strain on the plant

POINTS OF CONTACT



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