

# EUvis mobile™

## Mobile furnace monitoring

The condition of the boiler tubes has a significant influence on boiler operation and efficiency. Slagging and fouling reduce the heat exchanger efficiency, disturb the local heat balance and require expensive on-load cleaning. Worse, slagging and fouling may prove irreversible if corrective action is not initiated in a timely manner. Excessive cleaning, however, leads to tube ruptures – the root cause of many forced outages.

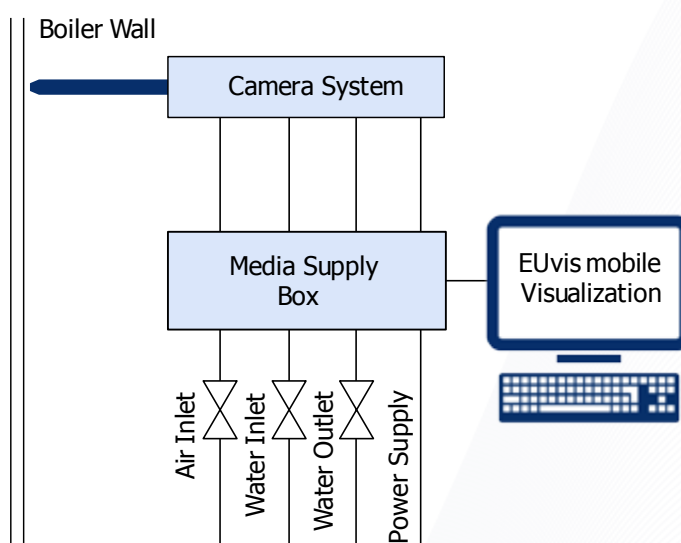
EUvis mobile is designed for rapid and flexible control and monitoring of a combustion chamber or furnaces during operation or outage. Through replacement of the optics a simple and quick adaptation to boiler-specific requirements becomes possible. In addition to standard CCD camera technology digital cameras are applicable. The images can be displayed either on a monitor or acquired by the EUvis analysis software on a notebook. The system is equipped with a media monitoring and an optional portable cooling unit.

### Mobile Inspection System

- Water-cooled camera housing
- Exchangeable front optics
- Easy handling and flexible adaptation
- Mobile, digital image acquisition
- Animation online/offline
- Media control unit
- Mobile re-cooling unit

### Benefits

- Mobile monitoring (Operating condition, failure and damage analysis)
- Process control and process safety
- Simple handling and flexible application
- Automatic analysis with image processing algorithms
- Improvement of plant availability

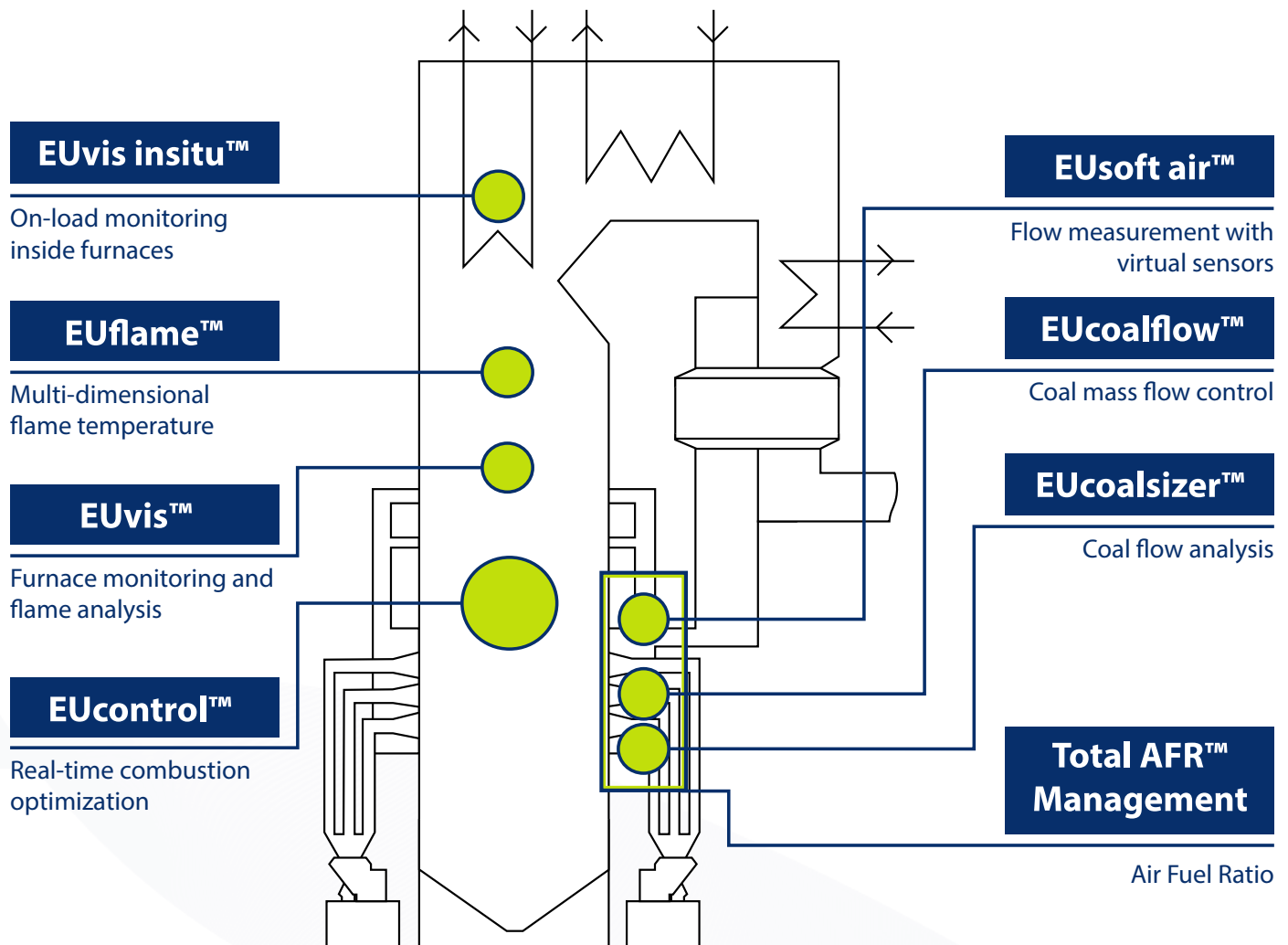


EUvis mobile system set-up



## EUtech Scientific Engineering GmbH

EUtech Scientific Engineering was founded in 1999. The company has established itself nationally and internationally as a successful engineering company in the areas of test stand engineering, simulation, automation and measuring technology. In addition to engineering services in all development phases, we offer turnkey test stands, software-based development tools and measurement systems for the power generation industry. With our innovative model based approach we optimize operations and increase the efficiency of power plants by stepping through the three phases: Measurement - Control - Optimization.



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