

EU-CPA™

Combustion Performance Assessment

A smart combustion performance assessment (EU-CPA) for waste incineration plants (WtE) can help to evaluate the combustion process and thus derive more effective measures for its control and optimization in a limited amount of time and with minimal manpower.

EUtech's innovative approach, which involves temporarily applying its modern online diagnostics and utilizing advanced data analytics, results in a range of benefits. These aim towards a reduction in CO and NOx levels, the homogenization of furnace exit gas temperatures, precise matching of fuel and air mass flows on the grate, prevention of critical hotspots and fouling, and an overall tightening of the process parameter range.

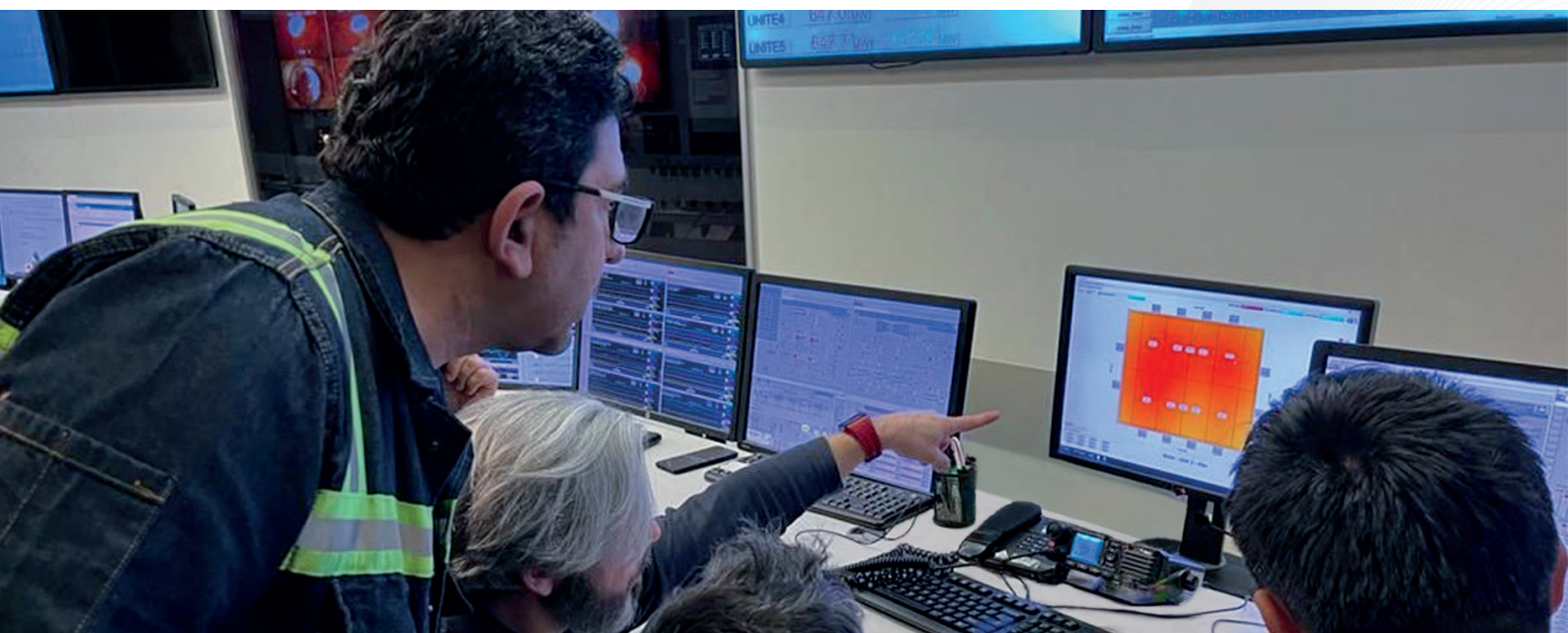
We tailor our mobile equipment to meet your specific requirements and integrate it seamlessly with your boiler system. This allows you to harness the advantages of cutting-edge measurement technologies and experience enhanced performance without the need for a substantial upfront investment. Consequently, we can promptly address and analyze problematic operating scenarios in real-time, leveraging operational data efficiently to deliver quick and effective solutions.

Benefits

- Derive effective measures for combustions control & plant performance
- Precise flame localization & distribution
- Real-time Monitoring of Process Parameter Fluctuations
- Minimization of emissions
- Effective control of SNCR operation
- Swift response to critical situations to enhance plant safety
- Prevention of tube damages

Features

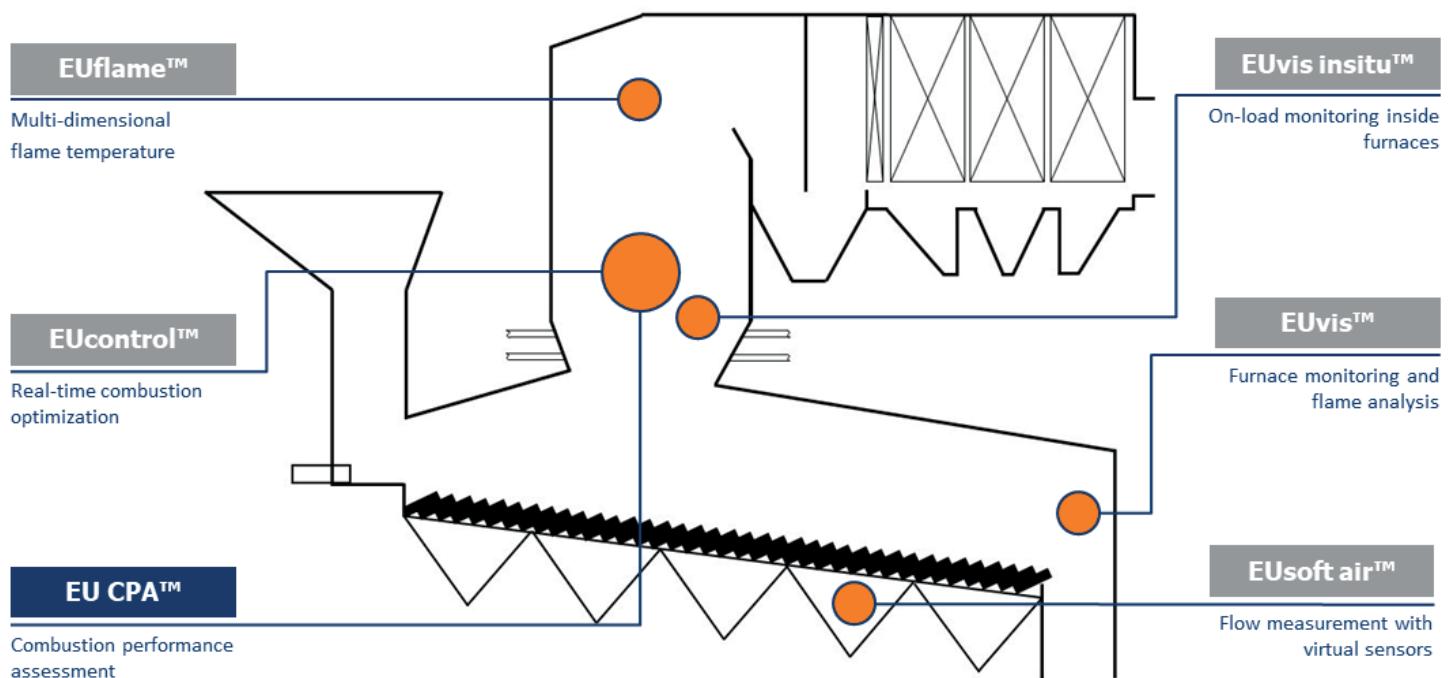
- Standardized, scalable approach
- Problem tailored diagnostics
- Easy applicable mobile measurements
- Continuous monitoring of relevant combustion parameters in real-time
- Efficient data analysis
- Root cause of dependencies & sensitivities



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 simulation, automation and measuring technology. In addition to engineering services, we offer turnkey projects, software-based development tools, control solutions and diagnostic 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:

Measure - Control - Optimize



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