

LAMTEC Sales/Project training

for modern combustion and process technology



DATE: 21.-22. September 2027

Day 1

9:00 a.m. Welcome

LAMTEC overview of the current LAMTEC product range

10:15 a.m. Coffee break

10:30 a.m. Burner combustion management system BT300

12:15 p.m. Lunch

1:15 p.m. Combustion Management System CMS

- Modules, variants and configuration
- Range of functions
- Options
- Approvals
- Changing the fuel/air ratio using correction input
- Correction safe/non safe
- Biogases/waste/H₂
- Two or more burners in one combustion chamber (master/slave)

Mixed combustion

3:15 p.m. Coffee break

Continued CMS

- Actuators and dampers in conjunction with CMS
- Use of actuators that are not included in the type approval
- Innovations in standardisation, Norm EN298
- System approval
- SIL versus type approval
- Safety Manual CMS / non safe PLC in the CMS
- The BC300 and BC400 automatic burner controls
- CMS configtool

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Day 1

Control functions for combustion optimization

- Flue gas measurement
- O₂ control
 - Control strategy
 - Correction range aspects / false air problem
 - Multi burner plants
- CO/H₂ control
 - Control strategy
 - Advantages of CO/H₂ control
 - Fault tolerance
- Safety evaluation

04:00 p.m.

TEC Center

- Options / special programs (non fail-safe)
- Examples from practice

Outlook: Planned new features and innovations

Approx. 5:00 p.m.

End of the first day

6:00 p.m.

Dinner

Day 2

09:00 a.m.

Flame and Ignition

Ignition Systems

System overview
GFI 35,48,70,89
Presentation and project planning

System overview
HEI 500+ HEI600
Presentation and project planning

10:45 a.m.

Coffee break

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Day 2

11:00 a.m.	Flame Monitoring System <i>(Overview of LAMTEC flame scanners)</i> FFS07, FFS08, FFS30, F200K, F300K ▪ functional principle ▪ selection of sensors IR/UV or UVIR ▪ product range ▪ project planning Standards and SIL in combustion technology Cybersecurity
12:15 p.m.	Lunch
1:15 p.m.	Measurement Systems O ₂ , CO/H ₂ und NO _x Measurement Systems ▪ System overview of transmitters and probes ▪ Introduction to the LAMTEC portfolio ▪ Properties of the individual systems ▪ Structure and function of the components ▪ Consideration of different applications ▪ Device selection according to requirements Mass Flow Measurement Grid
3:00 p.m.	Coffee break Continue Measurement Systems Q&A session
05:00 p.m.	approx. End of the event