



Fives European Combustion Centre

High tech facilities to decarbonate your process



Available for industrial combustion pilot test with:

- Decarbonised fuels (H_2 , syngas, any gas mixing, liquid biofuels...)
- Advanced measuring devices for combustion/process characterisation (emissions, thermal transfer by flux measurements)
- Various furnace configurations (cold furnaces, hot furnaces, horizontal firing, up firing...)
- Test capacities from 100 kW up to 9 MW
- Various comburant characteristics (air, oxygen enriched or leaned air, cold, hot...)
- 4.0 digital system for remote test supervision and digital set of data availability
- Training of process/combustion teams

Flexible and modern combustion facility at your service

Committed to industry decarbonization, Fives high-tech combustion center helps its partners and customers achieve their emission reduction targets.



COMBUSTION PROCESS OPERATING IN REAL CONDITIONS

9 MW test furnace for water-tube boilers



6 + 3 MW test furnaces for post-combustion



7 MW test furnace for fire-tube boilers



5 MW vertical furnace for oil & gas process burners



MAIN TEST BENCHES AND MEASURING FACILITIES

- 30 MW installed test power over 5 furnaces
- Gas mixing station for H₂, syngas, biogas, process gas
- Remote monitoring system
- Flame video monitoring by high-sensitive UV camera
- Flux measurement
- Pollutant continuous measurements
- Rooms for training sessions



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CONTACTS

Fives Pillard

fpi.sales@fivesgroup.com

T +33 (0)4 91 80 90 21

Marseille - France

www.fivesgroup.com

Fives ITAS S.p.A

fives.itas@fivesgroup.com

T +39 039 27331

Monza - Italy

