



combutec combustion technologies

We are – The experts for the combustion and heat technology, industrial process heat generation and thermotechnical devices



The generation of industrial process heat is very important in various industrial sectors.

Economy, reliability and environmental performance are very important for our future.

Here we have expertise of decades of successful activities and knowledge in different fields of industries.



Our activities are in the following industry:

- **Steel producing and processing industry**
- **Chemical and oil industry**
- **Wood and wood-based material industry**
- **Power plant construction**
- **Asphalt industry**



Our Scope:

- **Engineering of:**
 - **Burner devices, combustion chambers**
 - **Gas safety trains and control stations**
- **Project management / Order processing**
- **Installation / Commissioning**
- **Service / Spare part supply**



Our Product Range:

- **Product Area 1**
 - **Burner for liquid, gaseous, solid fuels.**
- **Product Area 2**
 - **Equipment, instruments and safety control systems for the particular used burner.**

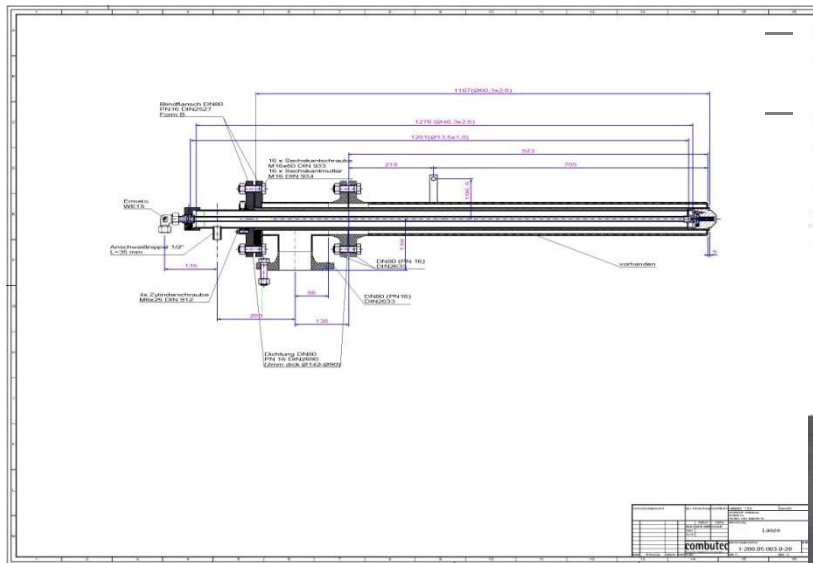


Our Product Range:

- **Product Area 1**
 - **Burner for liquid, gaseous, solid fuels.**
- **Product Area 2**
 - **Equipment, instruments and safety control systems for the particular used burner.**

Our Product Range:

- Product Area 1
 - Thermal post-combustion

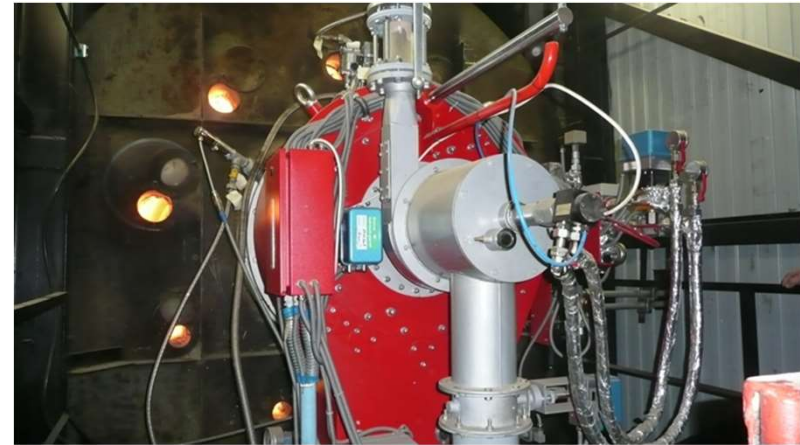


- Fuel: Natural Gas / Fuel Oil
- Capacity: up to 10 MW



Our Product Range:

- **Product Area 1**
 - **Multifuel burner** (Russia)



– Fuel: Natural gas / Fuel Oil / Wood dust

Capacity: here 9 MW up to 70 MW
(possible)

Mixed operation with variable mixing ratio

Dust-Solo-Mode

Gas-Solo-Mode

Oil-Solo-Mode



Our Product Range:

- Product Area 1
 - Asphalt mixing plant



- Fuel: Brown coal dust / Fuel Oil
- Capacity: up to 19 MW



Inside view of the drying drum with the burner

Our Product Range:

- **Product Area 1**
 - **Atomizing oil burner**



- Fuel: Fuel Oil
- Capacity: 2 MW
- Atomizing: by air
- Air pressure: 0,5 bar
- Capacity range: up to 1:20

Our Product Range:

- **Product Area 1**
 - **Recuperative Burner**



- Fuel: Petroleum
- Capacity: 380 MW





Our Product Range:

- Product Area 1
 - Burner for liquid, gaseous, solid fuels.
- Product Area 2
 - Equipment, instruments and safety control systems for the particular used burner.

Our Product Range:

- **Product Area 2**
 - Heavy oil pump and preheating station



Our Product Range:

- **Product Area 2**
 - Gas fired air heater for exhaust air heating



Our Product Range:

- **Product Area 2**
 - **Gas fired vertical hot air generator**



- Fuel: Natural gas
- Capacity: 600 kW
- Outlet temperature: 300°C
- Exhaust air volume: 7.500 Nm³/h

Our Product Range:

- **Product Area 2**
 - **Post-combustion system**



Fuel:	Natural Gas
Capacity:	max. 30 kW
Reactor temperature:	1.000°C
Exhaust air load:	Isopropanol Methylene chloride

Our Product Range:

- Product Area 2
 - Direct fired heating register



- Fuel: Natural Gas
- Capacity: max. 350 kW
- Inlet air temp.: 200°C
- Outlet air temp.: 250°C

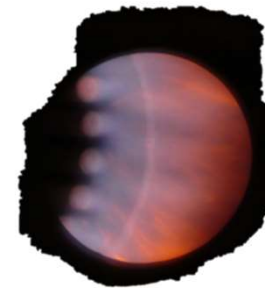


Our Product Range:

- **Product Area 2**
 - Hot gas generator for gypsum drying



- Fuel: Natural gas / Oil
- Capacity: 7,5 kW



Our Product Range:

- Product Area 2
 - Hot gas generator with multi-fuel burner

– Fuel:

Naturalgas /
CO-Gas
Methanol

– Capacity:

max. 2 MW

– Hot Gas Temp.:

260°C



Our Product Range:

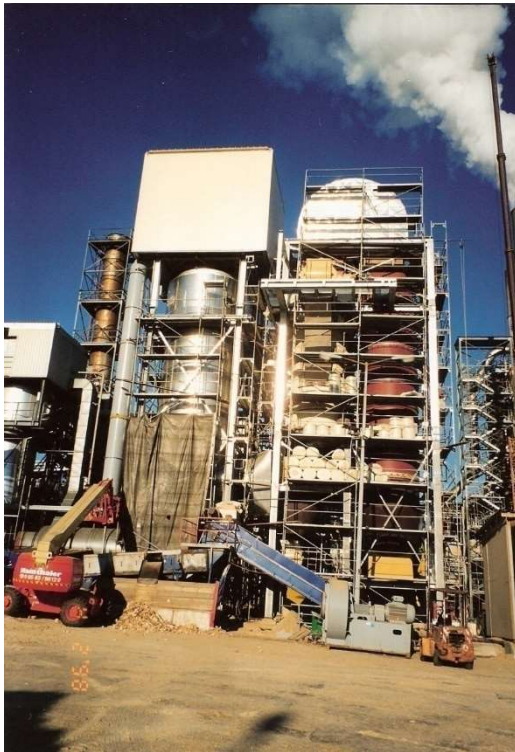
- **Product Area 2**
 - **Hot gas generator without Refractory** (Fed Drying)

– Capacity: 9.200 kW



Our Product Range:

- **Product Area 2**
 - **Hot gas generator construction phase** (Germany)



- Fuel: Natural gas / Heating oil / Sanding and screening dust
- Capacity: 29 MW

Our Product Range:

- Product Area 2
 - Nitrogen pressure control trains for inertization of furnaces (USA)



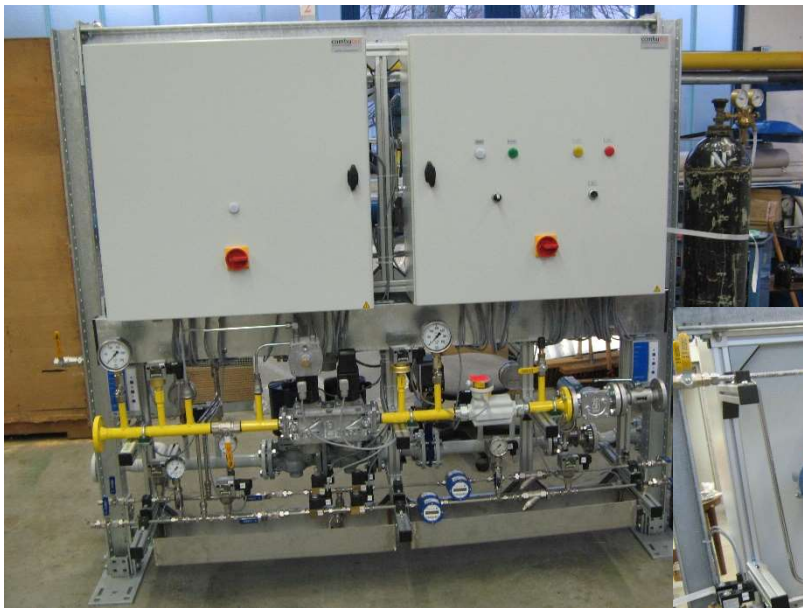
Our Product Range:

- **Product Area 2**
 - **Gas pressure regulation and safety trains for Natural gas and Pyrolysis gas** (Germany)



Our Product Range:

- **Product Area 2**
 - **Pipe rack for various fuel gases and liquid combustible residues (France)**



Our Product Range:

- **Product Area 2**
 - **Modernization of a refinery furnace** (Germany)

– Target: Power Increase
Emission Control



Our Product Range:

- **Product Area 2**

- **Hot Gas generator with ceramic lined combustion chamber**
(Poland)

- Fuel: Light oil / Heavy oil
Lignite dust
- Heat Output: 12,5 MW



Combustion chamber and multiburner



Conveying and metering device



**Silo equipment for
lignite dust**

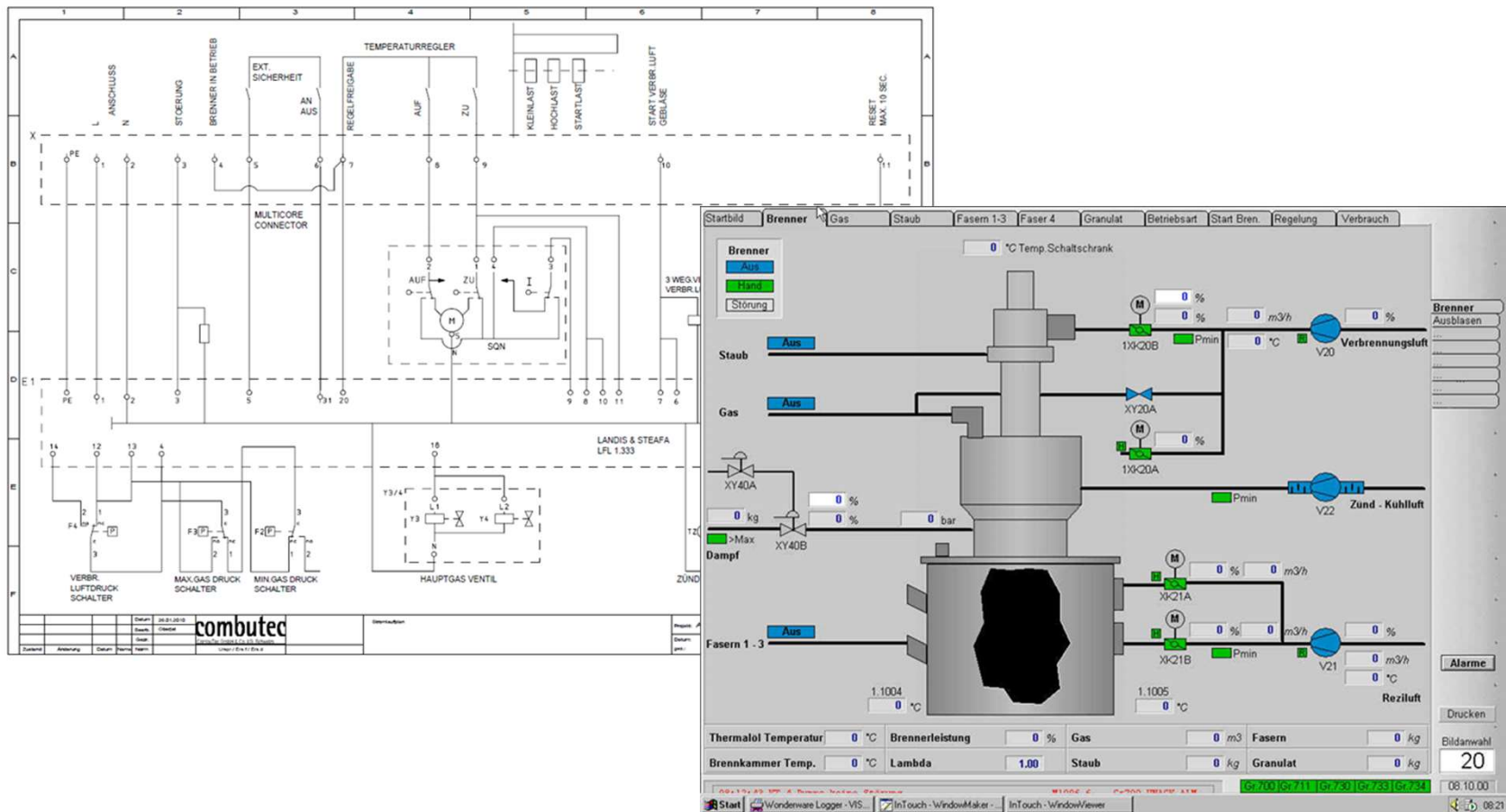


Our Product Range:

- Product Area 1
 - Burner for liquid, gaseous, solid fuels.
- Product Area 2
 - Equipment, instruments and safety control systems for the particular used burner.

Our Product Range:

- Control and Visualization



Our Product Range:

- Research and Development



Our Product Range:

- Packaging and Transport





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