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Clean Energy Center (CEC)

Ludwigsfelde, Germany

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Clean Energy Center (CEC)

In 2015, we started operations our state-of-the-art high-pressure test facility for gas turbine combustion and components in Ludwigsfelde, near Berlin.

The Clean Energy Center can test combustion and turbine flows up to 100 MWth. We provide main air, cooling water and cooling air systems, liquid and gaseous fuel and online fuel mixing for high fuel flexibility.

The CEC houses three fully equipped, isolated test cells for combustion system testing: two test cells for the larger test rigs (e.g., large gas turbine burners) and one test cell for the smaller test rigs (e.g., industrial gas turbine burners). due to this setup the Clean Energy Center accurately duplicate almost any customer specifications, testing under realistic high pressure conditions, simulating a specific ambient temperature or creating the precise fuel mixture that will later be applied in the product application.

All relevant key parameters such as output, efficiency, emissions, and flame stability are monitored, measured and analyzed.

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