



FAIST Anlagenbau

Full Power

High Performance

Gas Turbine Exhaust Systems

Exhaust Systems High Performance



High-speed flow, turbulences and pressure pulsation, as well as high operating temperatures: Such aggravating operation circumstances require a sophisticated design of internal insulation, diverter flap and silencer baffles.

FAIST's diverter flap structure is similar to the one of an aircraft wing. The operation experiences are magnificent: the overflow feature of the flap takes the efficiency curve close to the one of a modulation valve. The advantage is evident: the start up time of HRSGs will be reduced, because of balanced pre-heating of the entire super heater surface.

We grouped all gas turbine types in order to reach a standard in sizes for our diverters. However, any other size apart from the standard is covered by our design.

Diverters make combined cycle operation possible. The diverter marks the most important part in the exhaust system, since it is controlling the entire operation. Our diverter design guarantees the flexibility of a combined cycle power plant proven by hundred thousands of operation hours.

FAIST provides state-of-the-art solutions in noise control based upon more than 30 years of experience in the field of noise control for power generation operation. We look at every aspect of the installation and provide the required sound attenuation.

Rehabilitation turn key projects are always a challenge for design and installation. Our engineers are capable to replace any existing plant. Of course, such skills and expertise are utilized for all green field projects. Our clients are more than satisfied with our modular design insuring rapid and smooth installation.

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Saudi Electricity PP 9 – 12 units General Electric Frame 7EA Simple Cycle Exhaust Systems



NUR Kulim High Tech Park – 4 Units General Electric Frame 6B Combined Cycle Exhaust Systems



FAJR Petrochemical – 4 Units Alstom 13E Combined Cycle Exhaust Systems