FAIST Group Offers
• Air intake systems
• Enclosures
• Enclosure ventilation
• Silencers

FAIST AIS Supplies:
• Air intake ducts with acoustic and thermal insulation
• Silencers
• Bleed air anti-icing systems
• Air pre-heaters (electric, water/glycol, infrared, ...)
• Evaporative coolers
• Fogging systems
• Chiller cooling
• Rotor pre-heaters
• Atmospheric gas compression
• Washing systems

For turbine and BOP skid enclosures as well as enclosure ventilation systems, please contact our colleagues at anlagenbau@faist.de.

To see the entire product range of FAIST Group, please visit www.faist.de.

Each Environment Requires its Unique Filtration System

The different environments can be categorized into the following areas:
• Marine
• Offshore
• Onshore
• Rural area
• Large cities
• Industrial
• Tropical
• Desert
• Arctic

Typical contaminants are: salt (wet and dry), sand, ice, snow, water, hydrocarbons, oil/mud, seeds, leaves, debris, insects, ...

An intake system must be able to handle all of these challenges. The following items need to be part of the modular construction system:
• Weather hood and/or louvre
• Rash and/or insect/seed screen
• Inertial separator
• Anti-icing systems
• Coalescer and/or mist eliminator
• Pulse cartridges

Auxiliary equipment like evaporative coolers, chillers, fogging systems, wet compression, washing systems and rotor pre-heaters complement the modular approach and permit composing the optimum system which is specifically adapted to the environmental conditions.

Tailor-made Systems for Gas Turbine Air Intake Filtration
Research & Development

We perform our R&D work in tight cooperation with our customers and suppliers. Our own ARAMCO test rig enables us to create the basis for optimum combination of the different components involved: from the pulse cartridges, the compressed air system to the right choice of blowpipes and nozzles.

Highly Efficient Modular Systems

FAIST air intake systems are designed with standardized modules that can easily be adjusted to meet the customer’s needs. Our goal is easy and safe shipping with all equipment already pre-installed to the largest extent possible. This results in shorter on site assembly-time. FAIST has developed a standard module, which enables the construction of the filter arrangements, regardless of turbine manufacturer or size.

This design flexibility is available for multiple staged filters with compact pre-filter and fine filter or self-cleaning pulse systems.

FAIST air intake silencers are available in marine grade aluminum as well as in stainless steel (304; 316L). Each silencer package is designed to meet the pressure drop while fulfilling the required acoustic parameters.

Filter House Upgrades and Retifits

(EPA Filtration offers the best gas turbine filtration available. Off power plant operators demand more and more EPA filters to increase efficiency, lower fuel consumption, and to achieve lower maintenance intervals between compressor relights. To realise these benefits, it is necessary to increase the number of filter elements to keep the pressure drop (DP) on the same level or even to reduce it.

Are Filter House Upgrades Worth the Effort?

Ask your Turbine Blades ... ... and operators that already have had their positive experience with an EPA Filtration upgrade. They all report better efficiency, less maintenance, significantly fewer washing cycles, a better appearance of the blades and a quick return of investment.

Why You Should Work with FAIST Air Intake Systems.

FAIST Air Intake Systems has been founded to supply highly efficient air intake systems to gas turbines in the power generation, oil and gas and mechanical drive markets.

The company, part of the privately owned FAIST Group, is well established and recognized as a specialist supplier of tailor-made air intake systems for all kinds of environmental conditions. From the tropics to the desert, on land, on-shore and offshore, industrial or Arctic climates and conditions, we have the experience.

FAIST: A lifetime concept for your system.

Your Biggest Advantage: We are System Engineers and Not a Filter Manufacturer.

We are independent and unbiased and therefore in a position to offer you the best solution for your needs. This also allows us to constantly search for unique and high performance components with a favourable price-performance ratio for continuous improvement of our air intake systems. Skilled and experienced staff, in-house production capabilities and a global sourcing network, together with a modular concept supported by advanced CAD and an ISO 5450 certified quality system, combine to provide cost-effective and reliable air intake systems, designed to your specific requirements with short delivery times.

All our air intake systems bear a DIBT/TÜV Certificate.