



PLANT RETROFIT & UPGRADE

TURNKEY PLANT UPGRADE & RETROFIT EXPERTS



SINGLE SOLUTION APPROACH

WE OFFER COMPLETE TURNKEY SERVICE FROM SITE VISIT TO ENGINEERING, MANUFACTURING INSTALLATION AND HANDOVER.

We can meet the complex needs of your retrofit with:

- Customized engineering as per site requirements
- The highest quality inlet filtration
- Silencing for both inlet and exhaust
- A team of experts to support your project from initial consulting up to commissioning.

H+R is a single source solution provider specializing in customised noise control and air filtration.



on products that are designed as per your specific needs with reduced expenses and effective risk mitigation. We eliminate integration problems, offer complete project management and deliver superior after-sale service with overall focus on solutions.

We are working hard to fully comprehend your demands for quality, price and service.

We offer manufactured components with highest quality, complete engineering and design support, for a broad range of gas turbines and machinery. This enables us to develop solutions which suit your requirements, no matter what type of project we are handling.

We use the latest technology to build specially engineered acoustic solutions, filtration systems, and enclosures which are tailored to your specific needs and requirements, all supplied as a single solution.

COMPONENTS

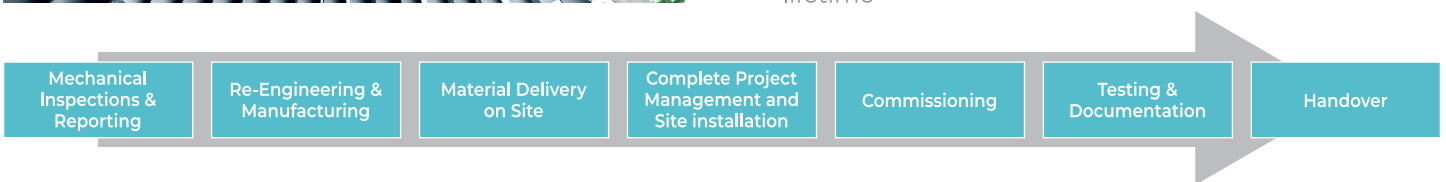
H+R has established from off-the-shelf and custom-designed air inlet and exhaust system components to engineered-to-order enclosures, H+R sets an uncompromising quality standard. All aspects of component manufacturing are managed in-house. Substantial global sourcing and supply chain resources allow H+R to guarantee not only quality of the components, but as well of the whole project.



UPGRADING GAS TURBINE AUXILIARY EQUIPMENT

Our total solutions capabilities:

- In-house engineering and design control optimizing system performance
- Project management oversight and accountability of your project will be carried out according to plan
- Multi-plant manufacturing capabilities and capacity allows us to fulfill the requirements for component design and your expectations
- Saving time and money on sourcing globally and global supply chain resources
- Installation and validation will ensure that your system and its components meet your specific needs day in, day out
- After-sale support and annual inspection services ensure all system requirements are fulfilled during lifetime



EXPERT ADVICE FOR COMPLETE LIFE CYCLE OF A PLANT

- Acoustic site surveys
- Budget preparation
- Advanced acoustic insulation materials
- Enhanced thermal designs
- High-temperature coatings
- Custom-engineered solutions
- Engineering, manufacturing, and project management
- Inspection and reporting
- Commissioning
- Turnkey system solutions



OUR TOTAL SOLUTION CAPABILITIES

Air Intake Components

- Inlet silencers
- Pulse filtration systems
- Barrier filtration systems
- Anti-icing systems
- Inlet cooling systems
- Transitions
- Ductwork
- Enclosures
- Structural / support steel

Exhaust Components

- Main silencers
- Bypass silencers
- Diverter dampers
- Structural / support steel
- Bypass and HRSG stacks
- Platforms / ladders
- Internal insulation
- Plenums
- Expansion joints

1. Air Intake Systems

One of the only suppliers bringing acoustic and filtration solution with design, engineering and manufacturing as well as installation of complete gas turbine inlet systems in a turnkey project per the specific requirements and site conditions.

2. Sound Enclosure

Main components are – Supporting Structure, Panels, Ventilation System and other auxiliaries. Best technology and components to ensure both low noise emission along with easy dis- and reassembly.

3. Exhaust Diffuser & Plenum

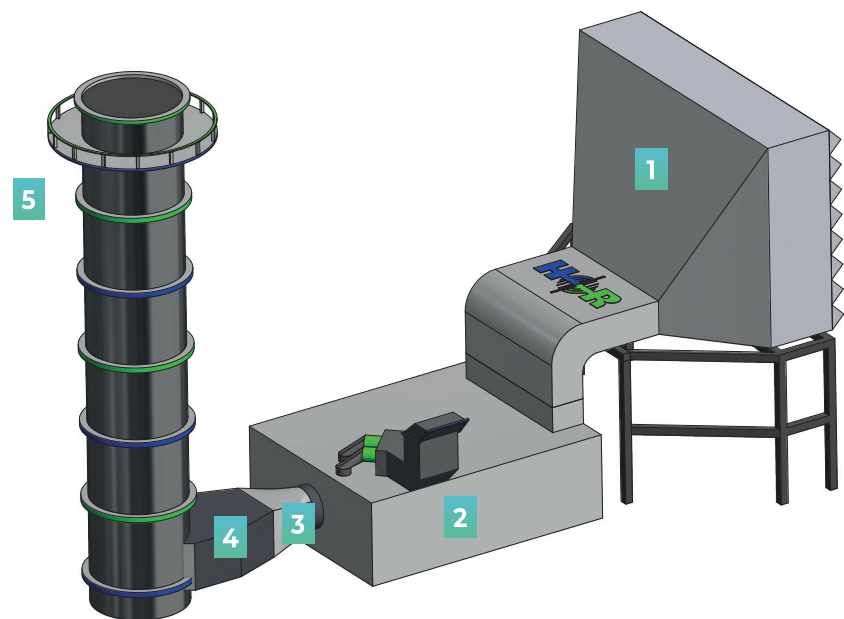
Our engineers determine the best technology and components to ensure low noise as well as low pressure drop with optimized air flow.

4. Exhaust Duct

Main components are: Exhaust Duct, Diverter Damper and Stack. Total turnkey capability for safety-first field installations and minimal downtime

5. Stack Baffles

Built with life-extending designs and proven over a decade of field use. Special infill materials for highest acoustic performance.



PRODUCTS & SYSTEMS

COMPLETE
AIR INTAKE SYSTEMS



ACOUSTIC ENCLOSURES
CLADDINGS & SCREENS



COMPLETE
EXHAUST SYSTEMS



FLUE GAS
SILENCERS



BLOWOFF & STEAM
VENT SILENCERS



COOLING TOWER
SILENCERS & SERVICES



**TURNKEY
SERVICE
PROVIDER
FOR
INDUSTRIAL
NOISE
CONTROL,
AIR
FILTRATION
& COMPLETE
EXHAUST
SYSTEMS**

RETROFIT & SITE SERVICES

PLANT RETROFIT
& UPGRADE



PLANT MAINTENANCE
& OUTAGE SERVICES



ACOUSTIC
CONSULTANCY



- ▶ Energy & Utilities
- ▶ Oil & Gas
- ▶ Industrial Plants
- ▶ Petrochemical & Chemical
- ▶ Pharma & Bio Pharma
- ▶ Infrastructure

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