



NEOS ENERJİ
Innovative Energy Solutions

GAS TURBINE EXHAUST SYSTEMS

Products

Design, Engineering, Manufacturing and Supply of Gas Turbine Exhaust Systems including:

- ✓ Simple Cycle GT Exhaust Stacks
- ✓ Combined Cycle GT Exhaust Bypass Systems
- ✓ Acoustic Silencers
- ✓ Dampers
- ✓ Expansion Joints
- ✓ Diffusers, Plenum and GT Exhaust Ducts
- ✓ Thermal Insulation



Contact:

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GAS TURBINE EXHAUST SYSTEM

COMPONENTS



- 1 Exhaust Duct/Plenum
- 2 Diverter Damper
- 3 GT Exhaust Bypass System
- 4 GT Exhaust Silencer
- 5 GT Exhaust Stack
- 6 Guillotine Damper

- 7 Expansion Joint
- 8 HRSG Inlet Duct
- 9 HRSG Wall
- 10 Vent Silencer
- 11 Stack Damper
- 12 HRSG Main Stack



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GAS TURBINE EXHAUST SYSTEMS

Features

- Designed in conformance with international standards ISO 21905:2020 ASME STS-1 and EN13084
- Low pressure drop characteristics to improve GT performance
- Flexible design based on plant requirements
- 3D modeling with state of art technology
- CFD and stress analysis
- Static analysis based on plant location
- High quality approach
- Fast-track delivery



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HRSG

COMPONENTS



Products

- Inlet Duct and Walls
- Stack Isolation Dampers
- Main Stack
- HRSG Internals
- Steel Structure

Features

- Flexible design based on plant requirements
- 3D modeling with state of art technology
- CFD and stress analysis
- Designed in conformance with international standards
- High quality approach
- Fast-track delivery



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ACOUSTIC SILENCERS



Products

- Exhaust Silencers for Gas Turbine and Engines
- Vent Silencers for Steam and Gas applications

Features

- Products tested by independent certified institutes.
- Low pressure drop characteristics
- High attenuation performance
- Acoustic and CFD analysis



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DAMPERS

Products

- Diverter Dampers
- Stack Isolation Dampers
- Guillotine Dampers
- Louver Dampers

Features

- Suitable for on-off and modulating operation
- Better cycling mode operation characteristics
- Improve plant performance in terms of start-up time
- Increase HRSG product life
- Avoid thermal shocks within HRSG during start-up
- Maintain warm start-up for HRSG



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EXPANSION JOINTS

Products

- GT Outlet Expansion Joints
- HRSG Inlet Expansion Joints
- HRSG Stack Inlet Expansion Joints

Features

- ESA certified products
- High temperature resistant
- Compensation of axial and lateral movements
- Tailor made design
- Resistance to harsh conditions



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