

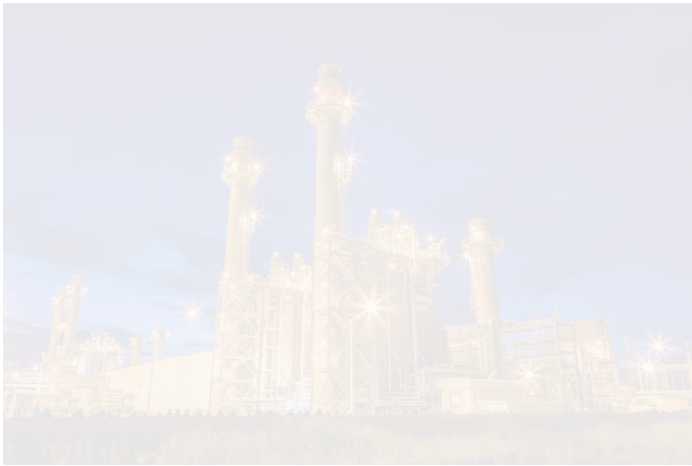
440MW Combined Cycle Power Plant Modules - Gas and Steam turbines + HRSG

Link: https://supplychain.requis.com/preview/requis_marketplace/asset_records/33451.pdf

Location: , Russian Federation

Price Per Unit: EUR \$89,000,000.00

Quantity Available: 1



Product Details

Name	440MW Combined Cycle Power Plant Modules - Gas and Steam turbines + HRSG
Quantity	1
Units	EACH
Model	AE94.3A & AE RT20-33
Manufacturer	ansaldo energia / nooter erickssen
Condition	new
Inventory Type	Surplus
Seller	Private Company
Country	Russian Federation
Catalog Links	https://www.ansaldoenergia.com/business-lines/new-units/gas-turbines/ae94-3a https://www.ansaldoenergia.com/PublishingImages/Brochure%20gas%20turbines%20Novembre%202017/Gas%20Turbines.pdf https://www.ansaldoenergia.com/PublishingImages/Steam%20Turbines/Folder%20Stears.pdf http://pdf.directindustry.com/pdf/ansaldo-energia/combined-cycles/29641-207553-_4.html

Description

Gas Turbine / Steam Turbine / Heat Recovery Steam Generation

The three core modules of a 440MW combined cycle power plant are all included in this sale.

All items are new and still in the original manufacturers packing Sale includes all parts and 2 years of spare parts.Â

Â GAS TURBINE Details

Â Manufacturer : **ANSALDO ENERGIA**

Â Model : **AE 94.3A**

Power : **291 MW**

Â Single shaft, cold end drive, annular combustor, heavy duty

Â Gas Turbine components include:

Â - Electrical generator

Â - Static starter (SFC)

Â - Excitation system

Â

Â Gas Turbine specifications are:

Â - 15 stage compressor and 4 turbine stages

Â - Single shaft rotor with central tie rod

Â - 2 bearings / Axial discharge

Â - Generator driven at compressor side

Â - Hydraulic Clearance Optimization system

Â - Annular type combustion chamber lined with individual and replaceable ceramic tiles

Â - 24 hybrid burner for fuel gas and fuel oil

Â - Variable Inlet Guide Vanes

Â - All vanes and blades replaceable with rotor in place with Ansaldo Energia blade replacement system

Â Main fuel: Gas / Reserve Fuel: Diesel

Â STEAM TURBINE Details

Â Manufacturer : **ANSALDO ENERGIA**

Â Model : **AE RT20-33**

Â Power : **167 MW**

Â - Three cylinder type steam turbine

Â - Turbine outer and inner casings of HP, IP and LP sections

Â - Reaction type blading

Â - Precision forged last stage blades

Â - HP, IP and LP rotor

Â - Integral expansion sleeve coupling

Â HEAT RECOVERY STEAM GENERATOR (HRSG) Details

Â -Horizontal profile three-flow type ,

Â - Drum-type, three pressures mode (HP, IP, LP) with natural circulation at steam generating circuit with intermediate reheating.

Â - Discharge of wasted gas is through dedicated chimney.

Â - Equipped with natural gas post-firing

Â **Documentation and detailed drawings available with Letter of Intent**

284 engineering documents available including

- Process (H&MB, P&IDs, PFDs, Tie in List...)

- Mechanical (Datasheets, Drawings...)

- Piping (3D Model, stress, MTOs...)
- Civil (Foundation, Layout...)
- Instrumentation (Logic Diagrams, Datasheets, IO List...)
- Electrical (Motors and Loads, Schematic Diagrams, Datasheets...)

All components manufactured between **2011 and 2013**

All items are in shipping crates or containers. The shipping packing total count is 1339, including items stored in crates, containers, box, cases, etc.

Total equipment weight : 5808 metric tons Total Gross weight : 6448 metric tons

Currently under preservation & maintenance plan by manufacturers

- Â - Preservation details
- Â - Indoor storage
- Â - Closed environment
- Â - Covered Controlled environment
- Â - Open environment
- Â - Air conditioned
- Â - Air conditioned and nitrogen blanketing

Â LOCATION

Near port in Saint Petersburg, Russia. Can be prepared for shipping in 2 to 3 months

Â All Buyers to submit a Letter Of Intent (LOI) with offer.