



ANDRITZ KFT.

COMPANY PRESENTATION

2026.

ANDRITZ

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HYDRO

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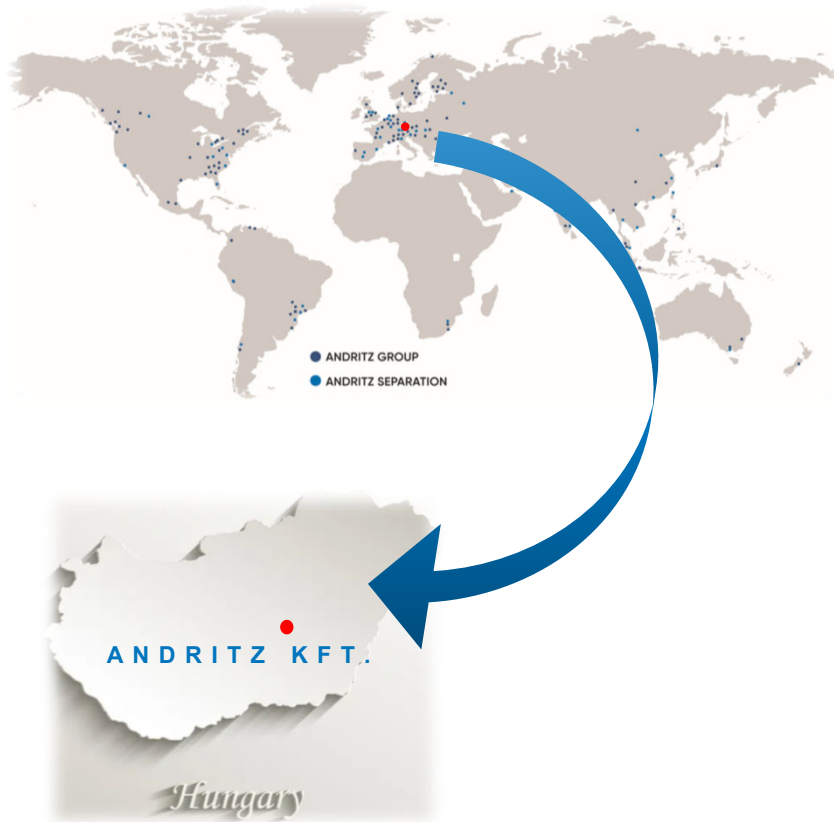
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ANDRITZ KFT. PART OF ANDRITZ HYDRO



"... where records are made"



PROFILE ANDRITZ KFT.



Overview

Address

ANDRITZ Kft. Dózsa telep 69, 6060 Tiszakécske – Hungary

History

Founded in 1929

nationalized in 1947

privatized in 1994

acquired by ANDRITZ AG in 2007

HYDRO	
2006	VA TECH HYDRO
2007	Tigép - Andritz KFT
2008	GE Hydro business
2010	GEHI (JV)
2010	Precision Machine
2010	Hammerfest Strøm
2010	Ritz
2011	Hemicycle Controls
2018	HMI

Manufacturing and Assembly

Hydro

Pulp and paper

Power generation

Siemens

Main Customers

ANDRITZ

Siemens Energy



KEY FIGURES



Main data of the company

Capacity:

- 225.000 – 300.000 Direct labour hours

Staff:

- 250-300 employees

Area:

- 147.000 m² total area
- 31.159 m² building

Applied material grades:

- Carbon steel, Fine-grained steel, Martensitic Steel, Austenitic Steel, Duplex alloy, Inconel alloy, Ni based alloy, etc.



CORE COMPETENCE



Quality Control: Non-destructive testing (VT, PT, MT, UT, RT)



ISO 9001:2015



ISO 14001:2015



EN1090-1:2009+A1:2011



ISO 45001:2018



ISO 3834-2



AD 2000-Code



ASME U Stamp



System of Transferring
the Marking of Materials



Welding Training
Center_MHtE_2023

MAIN ACTIVITIES / TECHNOLOGIES



Fabrication

- Metal cutting
gas cutting: thickness 2 – 300 mm;
plasma cutting: thickness 1 – 80 mm;
water cutting: thickness 0,5 – 30 mm
- Rolling in – sheet thickness up to 125 mm and width 3.500 mm,
smallest rolling diameter: 1.260 mm
- Welding technologies (MIG/MAG, SMAW, TIG, NGW, SAW, Laser welding)

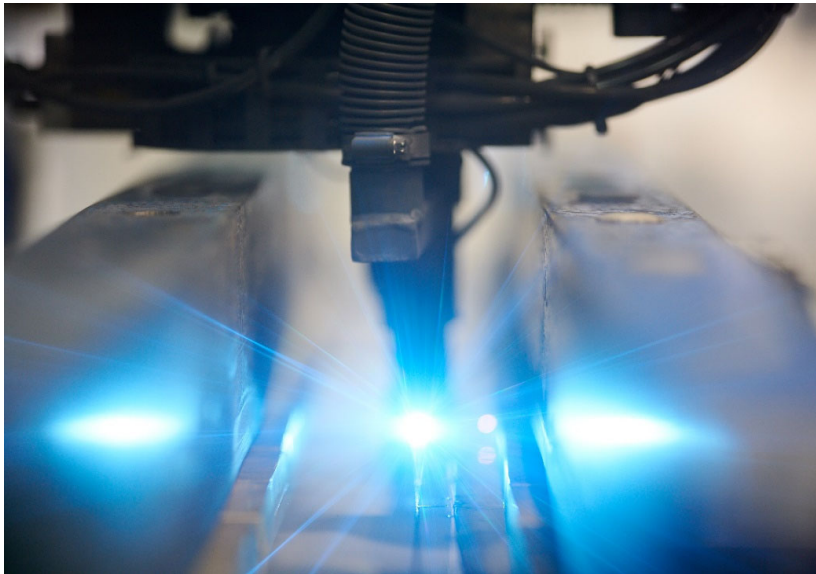


MAIN ACTIVITIES / TECHNOLOGIES



Fabrication

Laser Welding of stainless steel



Heat treatment

- Stationary heat treatment furnace (10 x 5 x 5 m) up to 1.200 °C
- Mobile heat treatment equipment (9 x 9 x 6,5 m) up to 650 °C

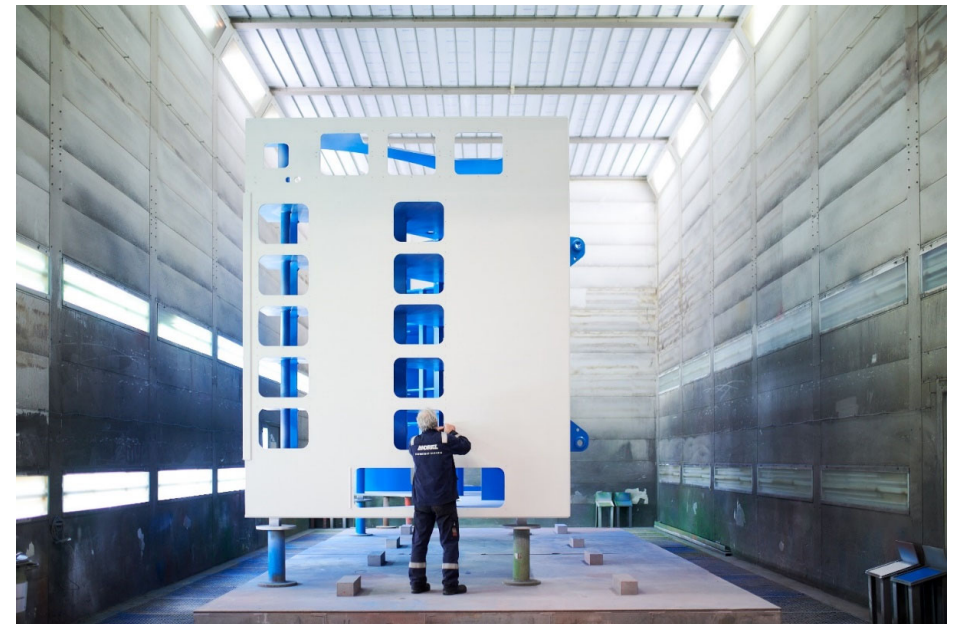


MAIN ACTIVITIES / TECHNOLOGIES



Surface treatment

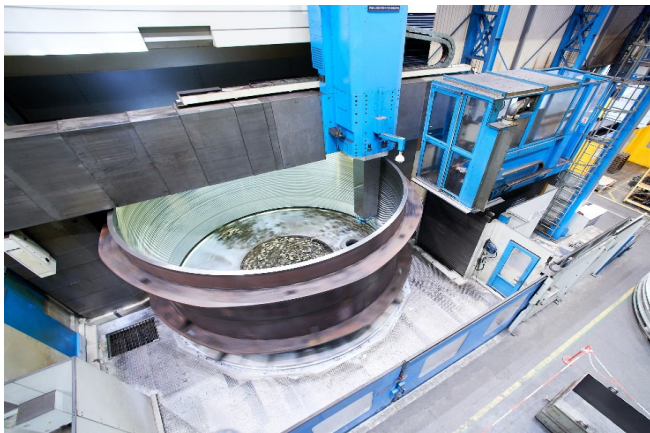
- Materials used:
AMERON, INTERNATIONAL, SIKA, AVENARIUS AGRO, HEMPEL, JOTUN
two-component epoxy and polyurethane paints
 - Dimensions of painting compartments:
 - 15.000 x 8.000 x 8.000 mm
 - 10.000 x 8.000 x 8.000 mm
 - 15.000 x 7.000 x 8.000 mm
 - Dimensions of blasting compartments:
 - 15.000 x 7.400 x 7.000 mm
 - 14.000 x 6.700 x 7.900 mm
 - 14.000 x 6.700 x 7.900 mm
 - Dimensions of washing compartment:
 - 10.000 x 8.000 x 8.000 mm
- Surface treatment
- Ceramic blasting (stainless steel)
 - Sand – blasting (carbon steel)
 - Washing cabin
 - Painting



MAIN ACTIVITIES / TECHNOLOGIES

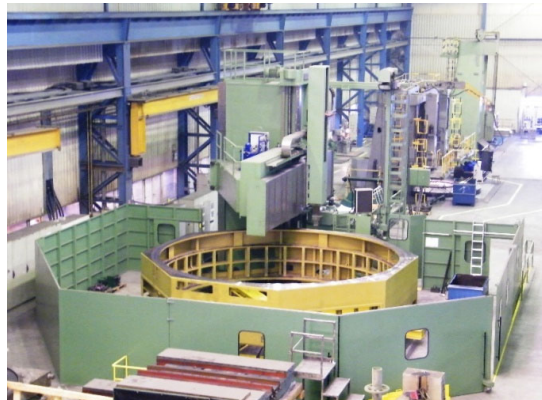


Turning and milling of complex parts on CNC controlled machines



Schiess vertical lathe:

- Max. product weight on rotating table: 150t
- Rotating table diameter: 7.000 mm
- Max. machining diameter: 12.000 mm
- Max. machining height: 4.150 mm



Waldrich vertical lathe:

- Max. product weight on rotating table: 200t
- Rotating table diameter: 6.000 mm
- Max. machining diameter: 6.500 mm
- Max. machining height: 4.000 mm



PAMA horizontal boring mill:

- Max. product weight: 200t
- Length 24 m, vertical 6 m, depth 2.6 m

MAIN ACTIVITIES / TECHNOLOGIES



In-house Assembly



Yankee cylinders



Butterfly valve and spherical valve



Combustion chamber

LAYOUT ANDRITZ KFT.



Workshops: lifting capacities + heights

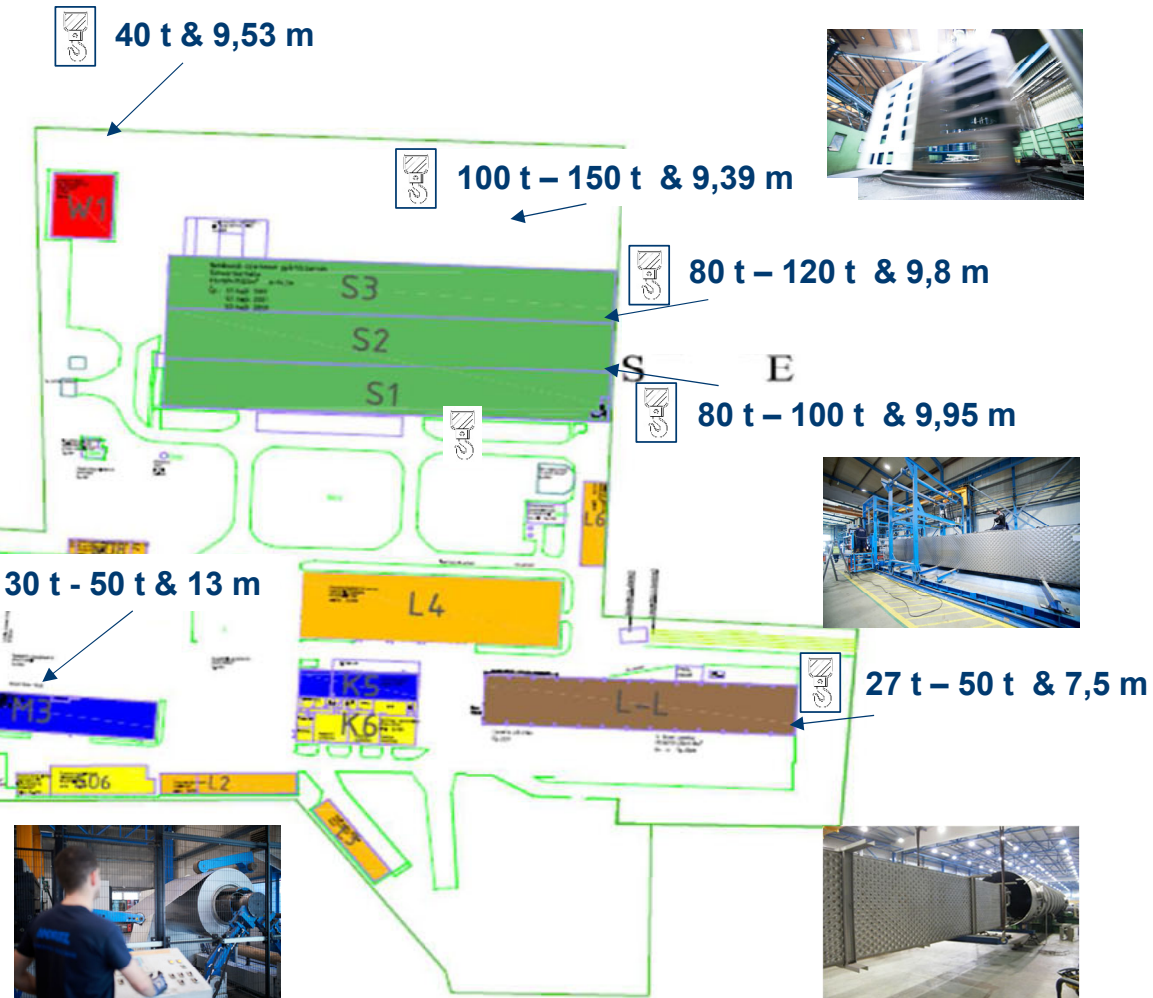
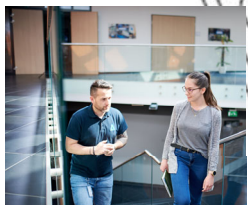
Medium - sized shop

Storage

Lamella line

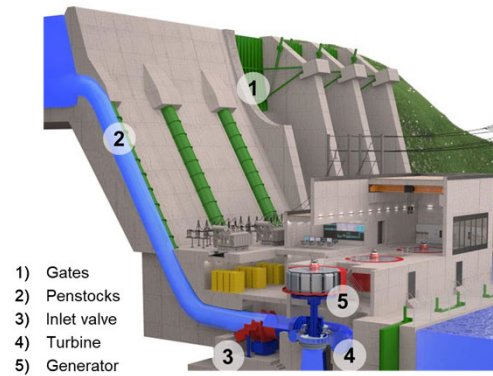
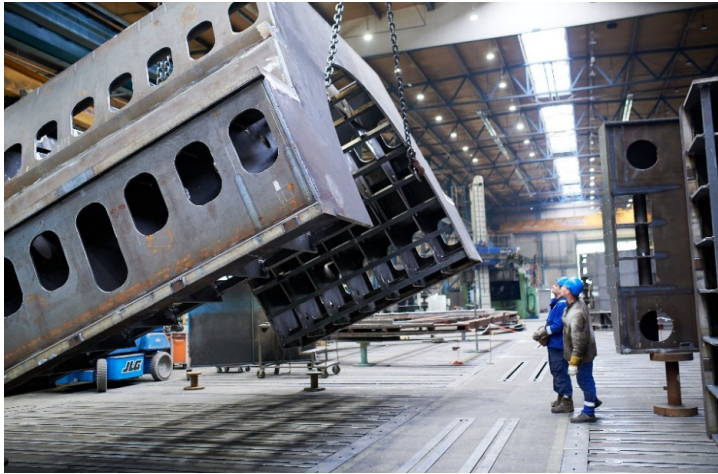
Heavy steel structure shop

Heat treatment furnace



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Large Hydro division



Stator Frame

Vertical / Horizontal, Divided / Undivided

Material: S355J2+N, S235J2+N, 1.4301, 1.4429

Dimension: 5t up to 80t, up to 11,7 m od, 4,5 m heights

Scope: material purchasing, welding, machining

Valve

Butterfly valve, Spherical valve

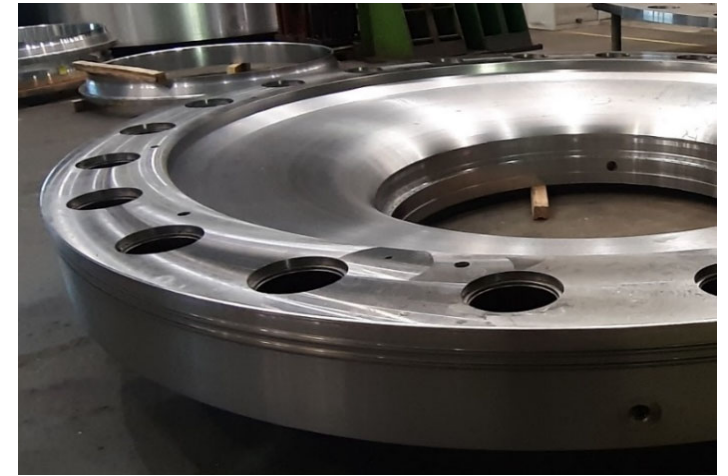
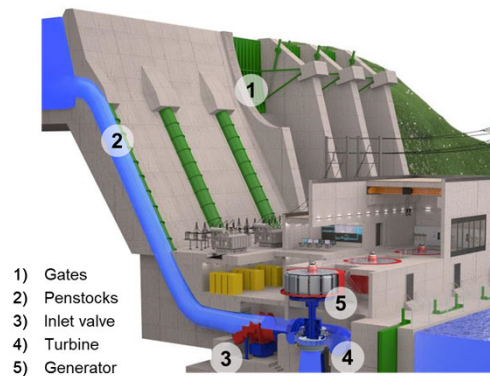
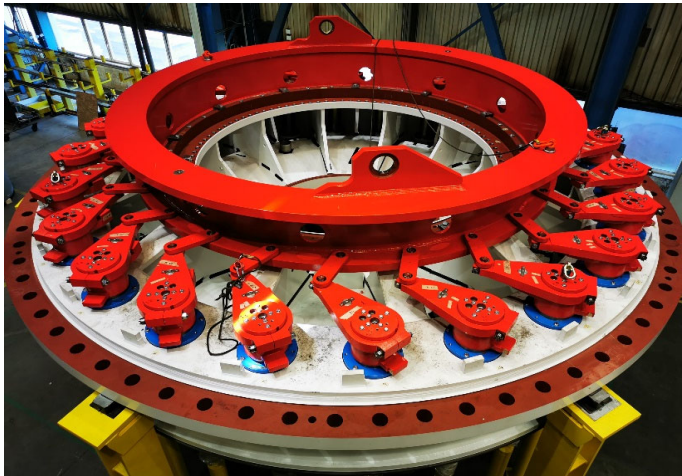
Material: S355J2+N, S235J2G3, 1.4301, 1.4571

Dimension: up to 7 m od, 150t

Scope: material purchasing, welding, machining, assembly

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Large Hydro division



Head cover

Material: S355J2+N

Dimension: up to Ø 8 m, 64 tons

Scope: material purchasing, welding, machining, assembly

Bottom ring

Material: S235J2+N, S235J2G3

Dimension: up to Ø 6,75 m, 18 tons

Scope: material purchasing, welding, machining

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Service & Rehab division



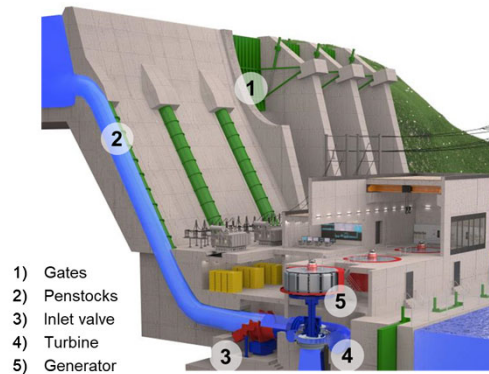
Shaft with ribs

(incoming forged shaft)

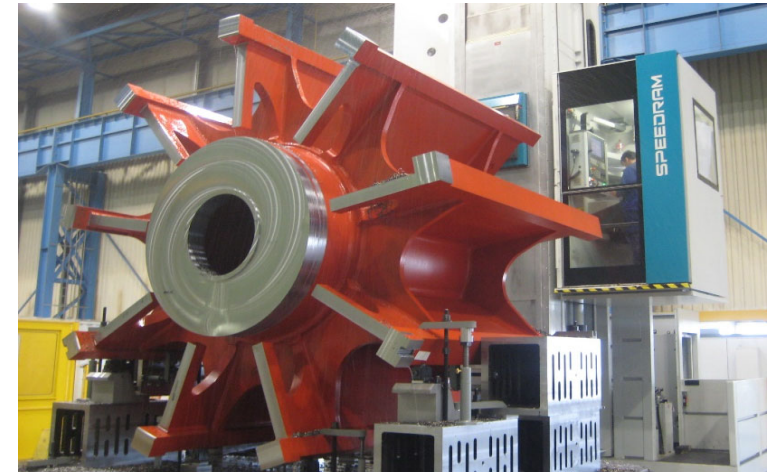
Material: S420, S460, 20Mn5, S355J2+N

Dimension: up to 80 t, 5,3 m length

Scope: material purchasing, welding, machining



- 1) Gates
- 2) Penstocks
- 3) Inlet valve
- 4) Turbine
- 5) Generator



Rotor spider

(with or without arms)

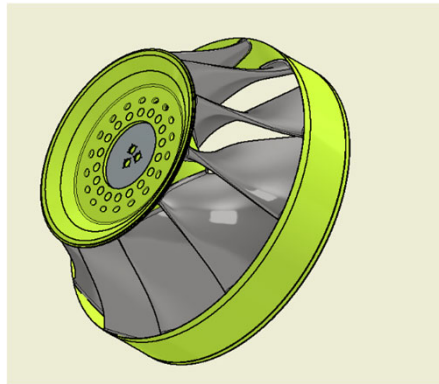
Material: S355J2+N+Z35, S275J0+N, S355J0+N, S235JR

Dimension: up to 80 t, 6,6 m od, 3 m heights

Scope: material purchasing, welding, machining

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Service & Rehab division



Runner

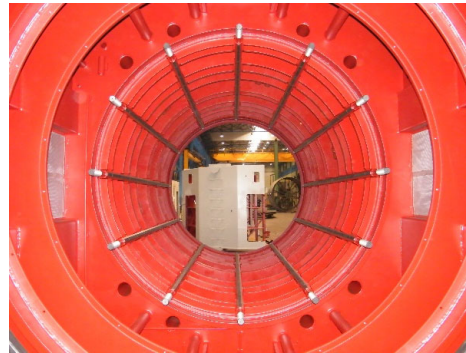
Material: GX4CrNi13-4+QT1

Dimension: up to 27 t, 4,2 m od

Scope: welding, machining

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Turbo division



Air cooled generator casings + components

Material: S355J2+N, S235JR, S235J0+N, P265GH, 1.4541

Dimension: up to 83 t, 10 m length

Scope: material purchasing, welding, machining

H2 cooled Generator casings + components

Material: S2355JR+N, S235J2+N, P265GH, 1.4301, 1.4541

Dimension: up to 120 t, 11 m length

Scope: material purchasing, welding, machining

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Further parts



Pump cover

Material: S235J0+N, S355J0+N

Dimension: up to 3,8 m OD, 16.000 kg

Scope: material purchasing, welding, machining



Spiral casing + pit liner

Material: S355J2+N, S460NL, S235J0, 1.4301

Dimension: from inlet size 1,6 m, up to above 3 m, 8 m OD

Scope: material purchasing, welding, machining, assembly

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Pulp division



Lamella

Material: 316L, S32304 Duplex, 304L

Dimension: Heating surface / lamella: 21-44 m²,
up to 11 m length, 2 m width

Scope: water jet cutting, laser welding, inflation, pressure test, assembly



Evaporator + internals

Material: 316L, S32304 Duplex, 304L

Dimension: 35 t, shell length 10 m, 2,5 m OD

Scope: material purchasing, welding, machining, pressure test, assembly

ANDRITZ KFT SUPPLIER FOR PULP & PAPER GROUP



Paper - KEY COMPONENTS - PrimeDry Steel Yankee



Yankee cylinder

Material: P355NH

Dimension: up to 7,9 m OD, 6,2 m length, 146 t

Scope: material purchasing, welding, machining, pressure test, finishing, assembly, site welding

Diameters up to 26 ft.

Unique engineering, manufacturing, and logistics concepts

10-15% higher evaporation rate than cast iron models – results in 8-10% better machine performance

With Yankee head insulation for savings in steam in the range of 2-5%

ANDRITZ KFT SUPPLIER OF THE ANDRITZ PULP & PAPER GROUP



Paper division



Steel drying cylinder

Material: P355NH+Z35

Dimension: 7,5 t, od 1,9 m, length 4 m

Scope: material purchasing, welding, machining, pressure test, finishing, assembly



Plated beams

(Wire section, Inner/outer wire, cleaning module, TAD frame)

Material: S235J0+N, 1.4404

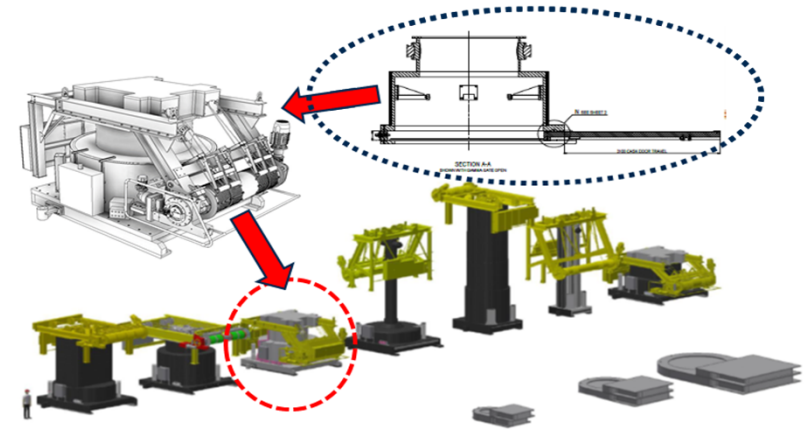
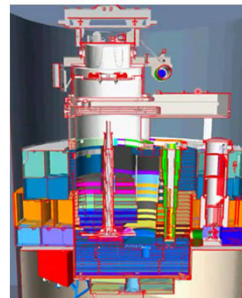
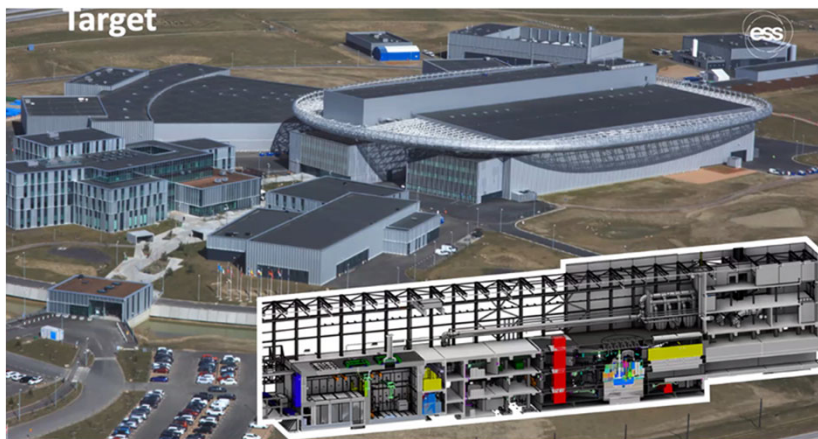
Dimension: up to 180 t, 13 m length

Scope: material purchasing, welding, machining

ANDRITZ KFT SUPPLIER OF SCIENT INDUSTRY



Products of ESS – Components for Science industry



Cask3 + gamma gate

Material: S355J2

Dimension: 18 t, 3,7 * 3,6 * 2,3 m

Scope: material purchasing, welding, machining, painting

The European Spallation Source is one of the largest science and technology infrastructure projects being built today.

The ESS is an experimental neutron source based on 2.5 GeV proton beam impinging on a tungsten solid target. Central to the facility is the Target Station where high-energy proton pulses are directed to the Target Monolith to strike a target of rotating tungsten blocks where spallation occurs generating a vast number of neutrons.

ANDRITZ KFT SUPPLIER OF SIEMENS ENERGY



Products of Siemens Energy Berlin - Gas turbine components



Mixing chambers

Material: NiCr23Co12Mo, Inconel617

Dimension: 3,2 * 2,3 * 2,3 m

Scope: material purchasing, welding, machining



Turbine Exhaust Casing

Material: X6CrNiTi18-10

Dimension: 4,2 * 4,2 * 1,8 m

Scope: material purchasing, welding, machining



Combustion chambers

Material: 16Mo3

Dimension: 21 t, 3,5 * 2,9 * 4,9 m

Scope: material purchasing, welding, machining, pressure test, final assembly incl. gas burners and electricity installation

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