

Heavy-Duty Machining and Mechanical Assembly up to 40 T

Entity of the ALLIOSS Group, SN SFAR supplies in its Montchanin workshops (FR-71), Mechanical Components and Assemblies, on request or in emergency, for:

- **The Nuclear and Energy Industries:**
Machining and Assembly of Lifting Drums, Primary Pipes, Shafts for engines and generators, Stators, All components...
- **Any Industry:**
Grinding Rollers, Oven Rollers, Pestle Mass, Fan Shafts, Roller Bearing Shaft, Mandrels, All components, Spare Parts ...

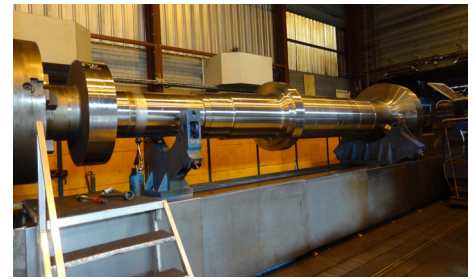
Machines

- **Milling Machine** CORREA L-30/84 CNC mobile column : X : 8400 ; Y : 2000 ; capacity : 20 T
- **Milling Machine** CORREA A-25/40 CNC : X : 4.000 ; Y : 1.000 ; capacity : 7 T
- **Milling and Boring Machine** TOS WHN 13C : X : 3500 ; Y : 2500 ; capacity : 15 T
- **Horizontal Lathe** Gurutzpe B1800 4G : Ø : 2000 ; L : 8100 ; capacity : 40 T
- **Horizontal Lathe** Gurutzpe B1400 3G : Ø : 1410 ; L : 10000 ; capacity : 16 T
- **Horizontal Lathe** Gurutzpe B1400 2G : Ø : 1410 ; L : 13900 ; capacity : 16 T
- **Horizontal Lathe** Mazak Slant 80 Tower : Ø : 1000 ; L : 4100 ; capacity : 6 T
- **Horizontal Lathe** TOS SU 150 : Ø : 1500 ; L : 5800 ; capacity : 10 T
- **Vertical Lathe** SCHIESS 3K200 : Ø : 6.000 ; H : 2200 ; capacity : 30 T
- **Cylindrical grinding machine** GIORIA R / 150 CNC : Ø : 1600 ; L : 6500 ; capacity : 16 T
- Lifting capacity up to **40 T** of indivisible mass

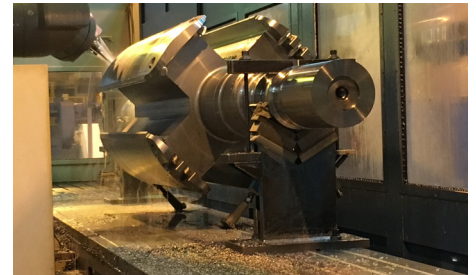
Engineering and Simulations

SN SFAR supports on request the design and validation of components and mechanical assemblies.

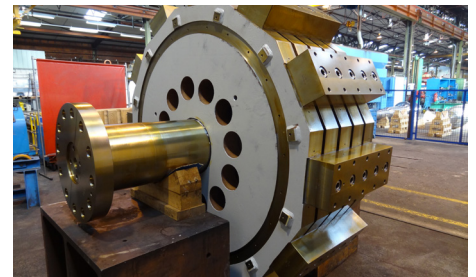
- Solidworks, Simulation Pro (Dassault Systèmes), Inventor, AutoCad Licenses
- Design of **Mechanical assemblies** ; **Static, dynamic, thermal simulations** ; Design-to-Cost (mass, manufacturing sequence)
- **Traceability, Controls** (COFREND)
- Quality Insurance (ISO9001:v2015)
- Welding Manuals (**QMOS, DMOS**), Qualified Welders, Manufacturing under the control of **CEIDRE**



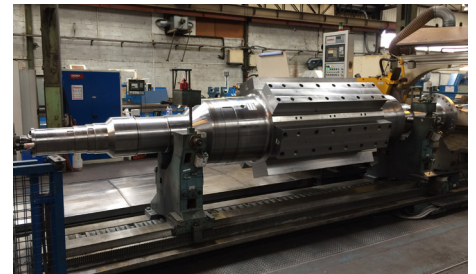
Shaft on 4G Horizontal Lathe



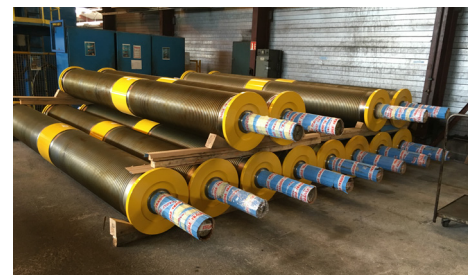
Rotor on CORREA Milling Machine



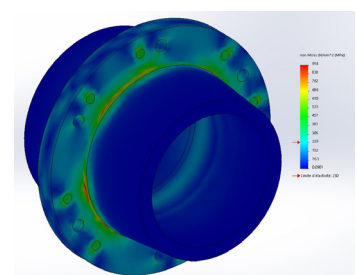
Machined Shrink - Fitted Rotor



Rotor on Gioria Cylindrical Grinding Machine



65 T Lifting Drums



Mechanical Bonding Simulation