

KLOE to SAND

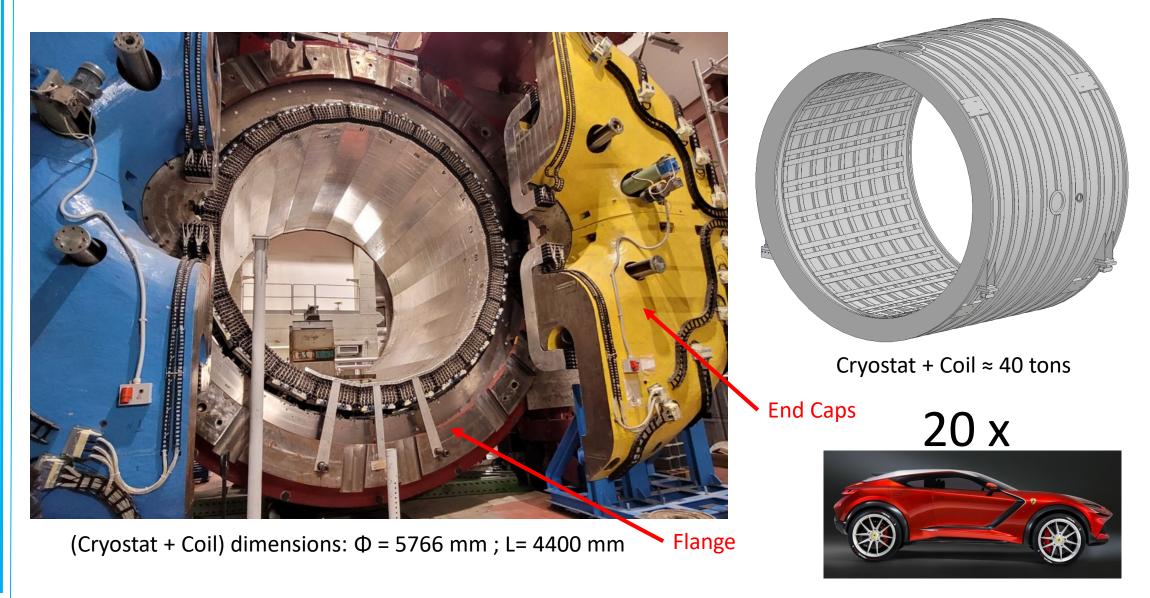
Magnet Coil: dismantling and transport (WP5)

NU_AT_FNAL – General Meeting Lecce 06-11-2023

Overview

- Services, structures and tools
- Design Status
- Open points
- Preliminary procedure
- Organization
- Planning

Cryostat and Magnet Coil: dimensions and weight



Main services, structures and tools: extraction



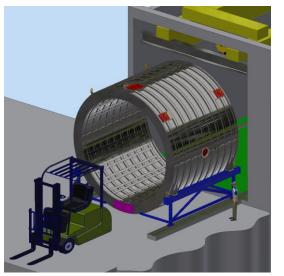
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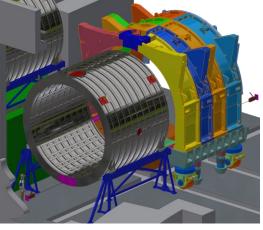
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Trolley System



Extraction/Insertion Tool



Loading Dock







Main services, structures and tools: transport





Two cranes



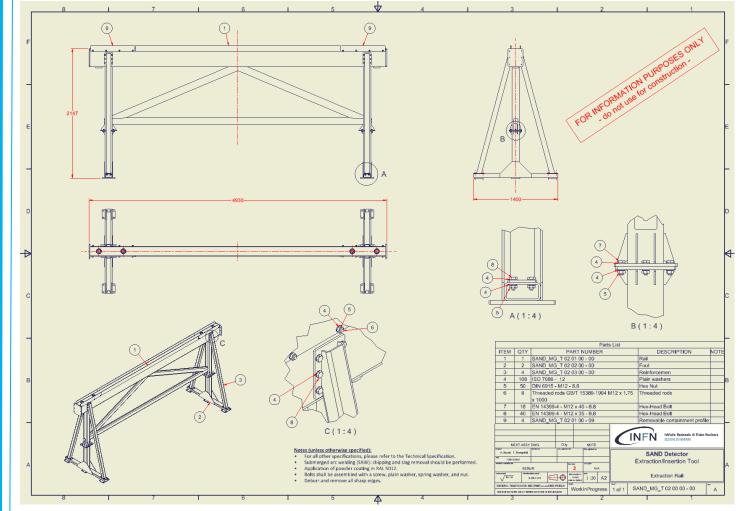




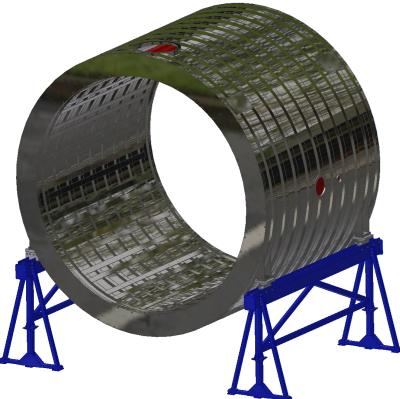
ТооІ	3D Model	Workshop Drawings	Sizing and verification calculations	Certification (CE and ASME)	Technical Specification for tender	Work Practices Plan (operating procedure)	Safety Plan
Extraction and Insertion	Done	Under review	Done	To be done	Done		
Trolley System	Done	Under review	Done	To be done	Done		
Cradle	Done	Under review	Done	To be done	Done		
Lugs	Done	Under review	Done	To be done	Done		
Tirfort System	Done	Under review	Done	To be done	Done		

Design Status: extraction/insertion tool

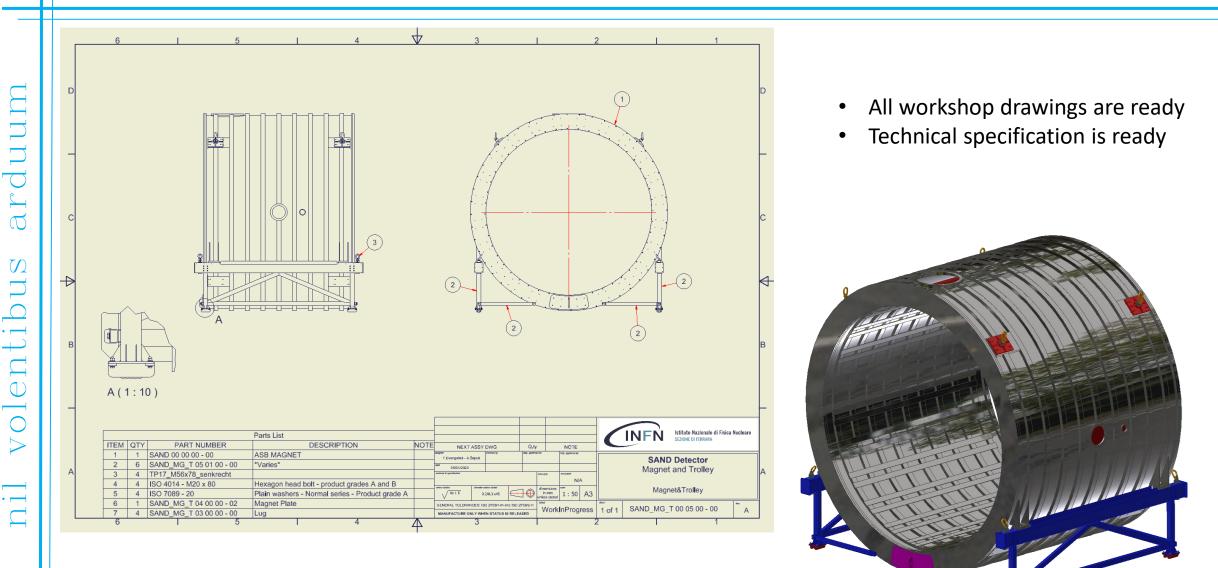




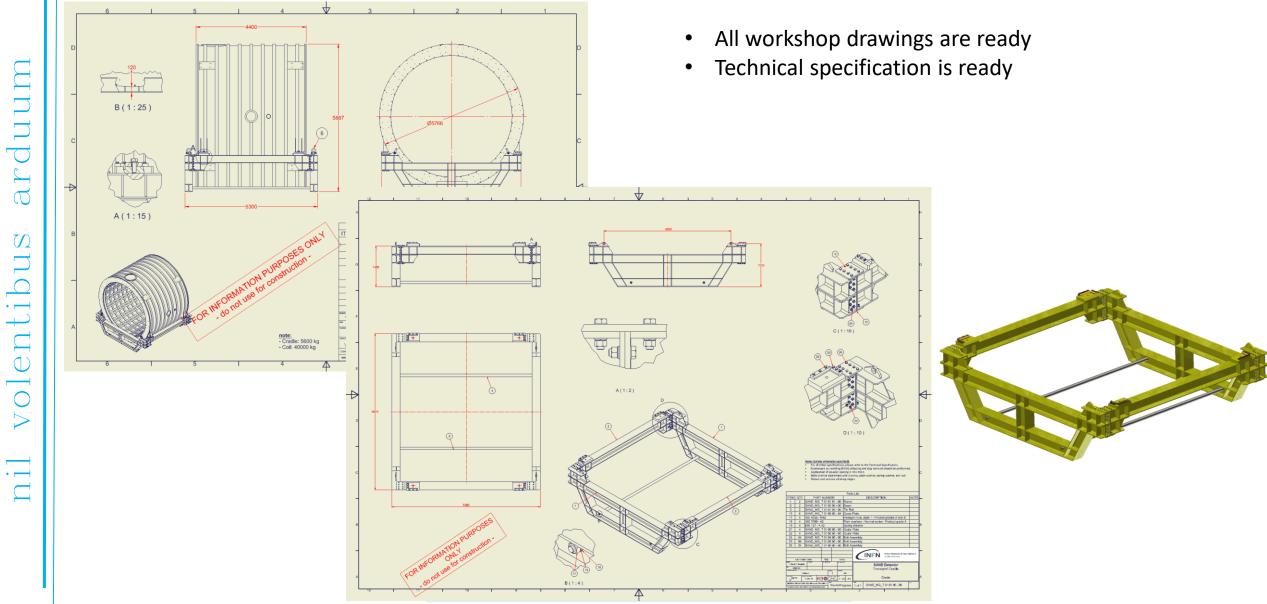
- All workshop drawings are ready
- Technical specification is ready



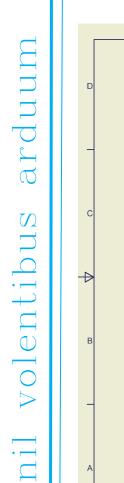
Design Status: trolley system

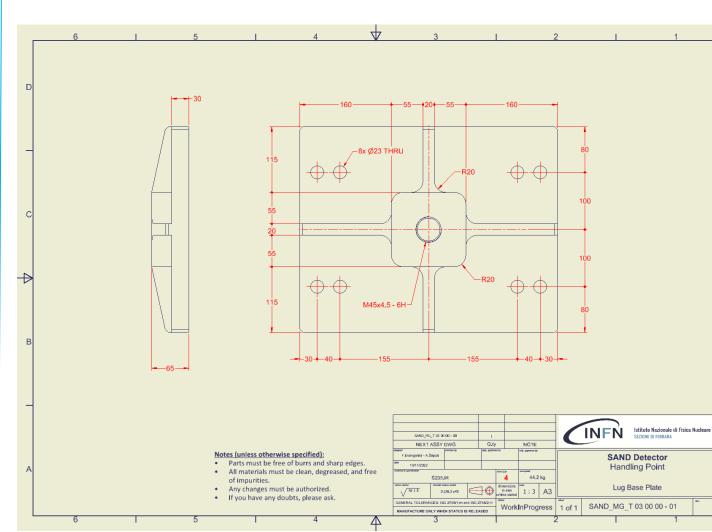


Design Status: transport cradle

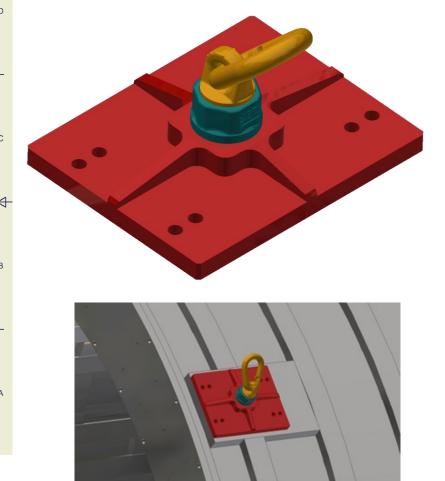


Alessandro Saputi – 6th November 2023



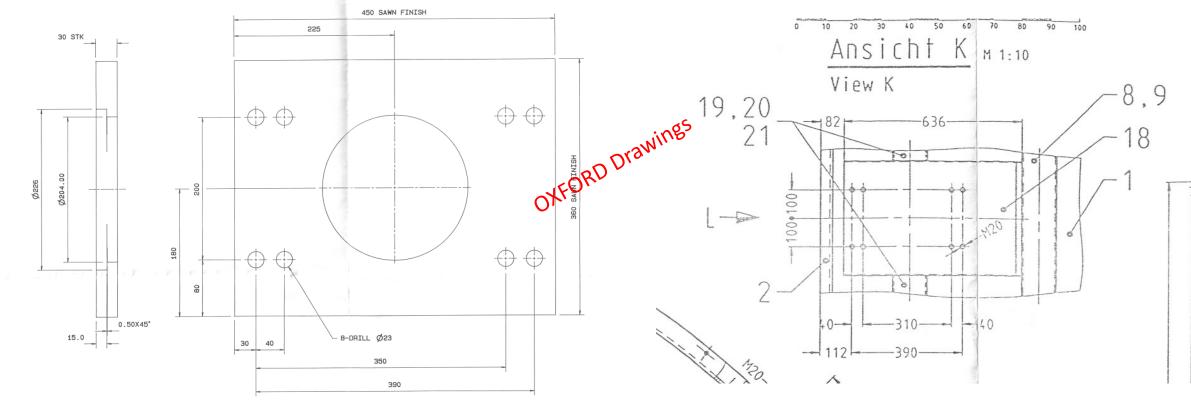


- All workshop drawings are ready •
- Technical specification is ready ٠
- Holes centre spacing to be checked ٠



Open points: holes centre spacing to be checked (lugs)

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Lugs used to install the magnet

Hoist points on the magnet

Magnet extraction: working procedure

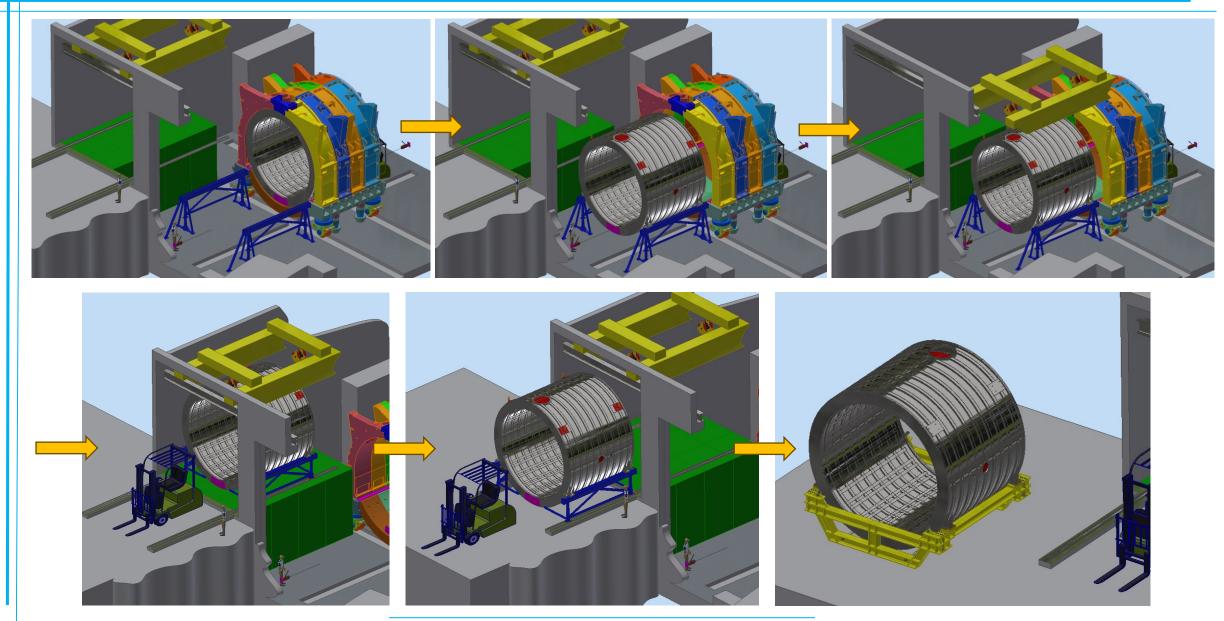
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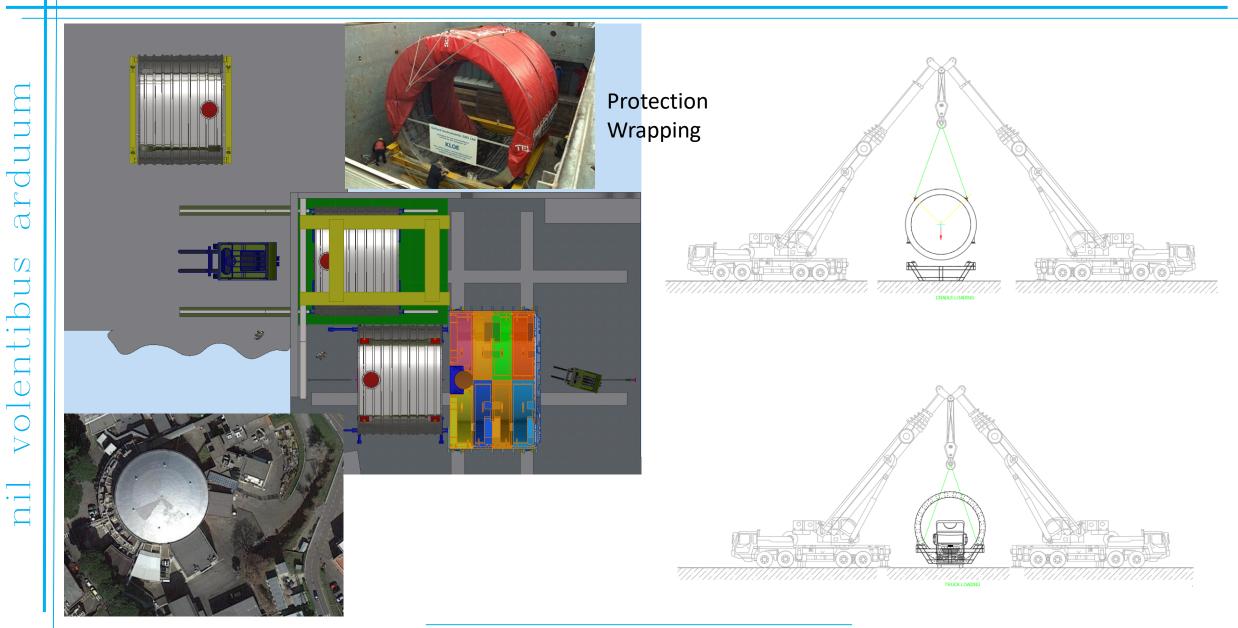


Magnet: preparation for transport

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Organization

SAND Group will put in place a number of hardware experts (engineers/technicians) sufficient to complete the operations in the time allocated in the planning. The team involved on the dismantling will be composed by:

- Work Package Leader (technical responsible);
- Site Supervisor (Direttore dei lavori)
- Safety Coordinator (PSCe)
- GLIMOS
- Mechanical technicians (external staff): 3 technicians
- Technicians (INFN): 2 technicians
- Handling Team (external staff): 2 technicians

Tools Time Schedule

				2023								2024							
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Tools Design																			
Calculation-Certification-Tests																			
Workshop Drawings																			
Documentation for Tender																			
Tender																			
Tools Construction																			
Procedures																			

