

ICARUS T600 SITE PREPARATION

Napoli

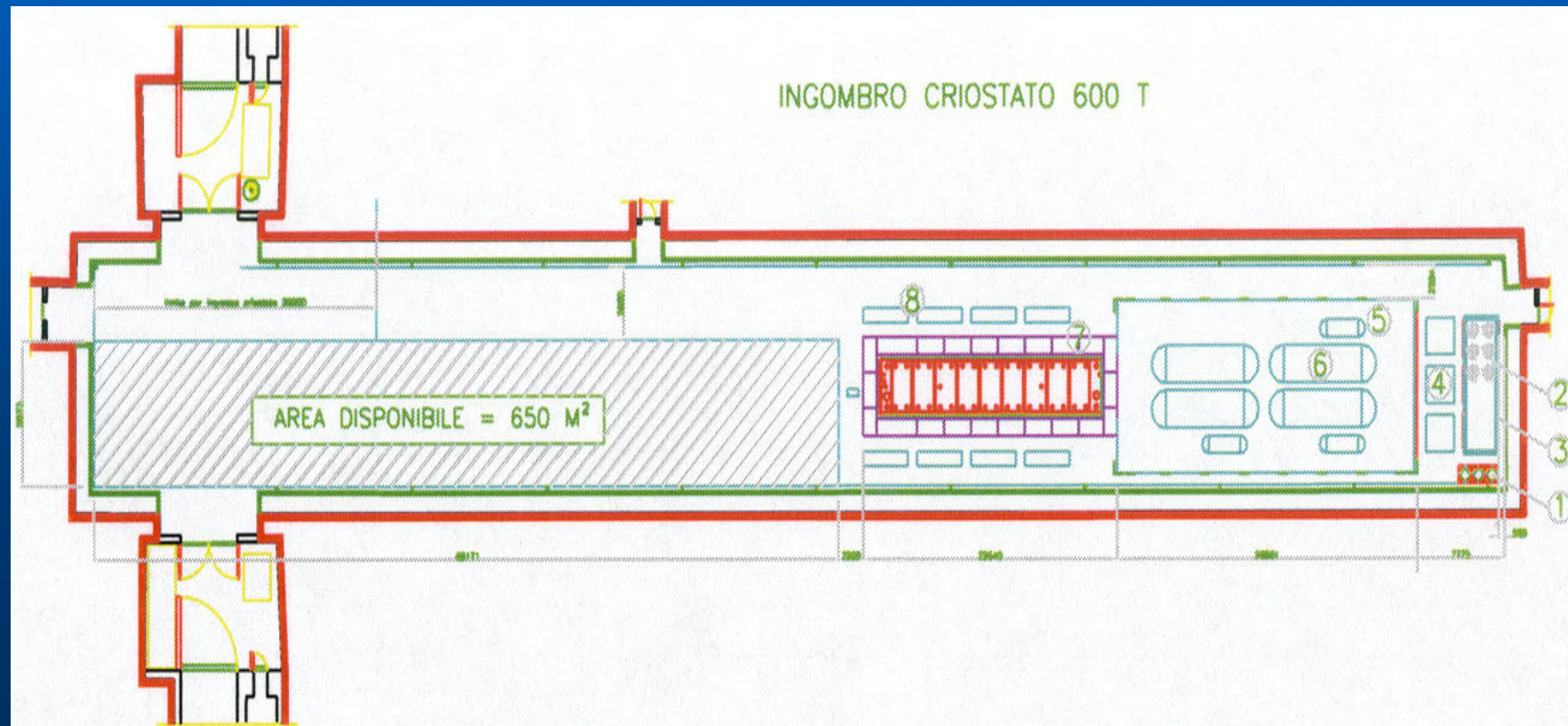
ICARUS Meeting - February 20th 2003

CONTENTS

- **Technical interventions in Hall B**
- **Icarus T600 transportation and handling in Hall B**

HALL B

- Plan for T600 and Opera obstructions



Technical interventions in Hall B

- **Disassembly of Macro Control Room & Gas System and of lateral loading platforms**
- **Construction of the Opera emulsion storehouse**
- **Building of Icarus and Opera Control Room**
- **Construction of Icarus T600 “service area” steel frame**
- **Reversal of the two bridge cranes in Hall B**
- **Treatment of Hall B floor with an ipossidic paint**
- **Removal of some electrical equipment**

Lateral Loading Platforms

- The removal of the two loading platforms are completed

Macro Gas System

- The gas system plant has already dismantled
- All the technical facilities were removed
- The disassembly of the gas system building is just started



Macro Control Room

- The disassembly will start at the end of Gas System dismantling (in 30 days)



Macro furniture removal

- Some furniture and gas system components to remove
- Requested to the administration to undertake stock them
- Requested to move them to an outside warehouse



Neutron shield tubes

- 56 packages: each one contains 40 tubes
- To decide the final utilization and where to located them



Electrical Panel Displacement

- To permit the moving of cryostats inside the hall B it's necessary to displace an electrical panel close to the door.
- Survey for the works to do was carried out
- The electrical service is preparing the tender



Reversal of the two bridge cranes in Hall B

- The operation will be carried out in the meanwhile a new bridge crane will be installed in Hall C (scheduled for the first week of march)

Restoration of Hall B floor

- As soon as finished the dismantlings and before to start the new installations, it's necessary a restoration of the floor
- Reconstruction of the superficial part of the concrete floor
- Treatment with an epossidic paint



The Opera emulsion storehouse

- 120.000 euro

ID	Activity	Starting date	Conclusion date	2002		2003							
				Nov	Dic	Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago
1	Private tender for assignment	01/12/2002	20/02/2003	■									
2	assembly of Opera emulsion storehouse assignment	01/03/2003	30/06/2003					■					

further informations:

Ing. Martella – servizio opere civili - LNGS



Icarus and Opera Control Room Building

180.000 euro (LNGS)

ID	Activity	Starting date	Conclusion date	2003				2004
				Trim 1	Trim 2	Trim 3	Trim 4	Trim 1
1	Public tender for assignment	07/02/2003	30/06/2003	█				
2	assembly of Icarus & Opera Control Room building	30/07/2003	30/01/2004			█		

further informations:

Ing. Martella – servizio opere civili - LNGS

Cryostat transportation through LNGS Entry

- It is possible to do it, but there are several obstructions to modify such as air supply pipes, electrical pipes.
- A particular truck must be built. Moreover, moving in highway is more difficult.

Cryostat transportation through LNGS

Exit

- Easier: the only obstructions are removable constructions (security guard box – service storehouse box)
- It's necessary to close the highway tunnel Teramo-L'Aquila
- It's necessary to plan the transportation with the highway tunnel management company

Cryostat handling inside Hall B

- Both side-entries of Hall B present no particular problem for the movement of the cryostat
- Possible to use high pressure air-pad units for the handling of the cryostat in Hall B
- Some removals close to the door entries are necessary (steel structures, power lines, etc)
- Preparation of the Hall B floor for the high pressure air-pad units

Thank you for your attention

Aprili@lngs.infn.it