



***GERDA Meeting,
Padova, 11-13 Mar. 2009
GERDA Infrastructure***

Status now, March 2009:



→ Electrical Plants

- System designed by LNGS and external consultant
- System ordered by Zurich group on Oct. 31st

Includes

- 😊 Dedicated power and grounding lines for GERDA
- 😞 Normal & UPS power switchboard and lines
- 😊 Illumination inside GERDA building
- 😊 LAN cabling
- 😊 Air conditioning in control room
- 😞 Telephone

Cabling ready, must still be connected to general switchboard

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- Work on GERDA site completed January 2009
- Except for connection of clean room (tbd in these days, where?)

Status now, March 2009:



- Electrical Plants Installation @ GERDA concluded by Jan. 2009

→ Safety Plants



Fire detection & Oxygen monitoring



Interfaced with LNGS supervision system



Interfaced with GERDA Supervision system



Installation @ GERDA concluded by January 2009

Needs still integration with clean room

Tbd as soon as all systems ready at GERDA (i.e. cleanroom)

Graphics pages to be implemented

To be done

Status now, March 2009:



- Electrical Plants Installation @ GERDA concluded by Jan. 2009
- Safety Plants Installation @ GERDA concluded by Jan 2009

→ LN₂-Storage

- 😊 Necessary removal of explosion proof doors started
- 😊 Contacted with LINDE for delivery of LN₂ Tanks still in 2008
- 😊 Contacted with LINDE also for moving LAr tank (Rn-measured)
- 😊 **Positioning of tanks Feb. 2009 (including tank for GN₂)**



Status now, March 2009:



- Electrical Plants Installation @ GERDA concluded by Jan. 2009
- Safety Plants Installation @ GERDA concluded by Jan. 2009
- LN₂-Storage @ GERDA concluded by Feb. 2009

◆ Ventilation

- In Jan. 2009 LVD asks for modification of the piping to allow LVD tank movement.
- Modified piping of the ventilation needed
 - Increase of costs
 - Delay in tendering and work assignment
- Contract signed, first pieces in fabrication
- Start of installation on site
- Problem: no money left for control system

Other small little details...



- Hook to bring loads into building (max. to cryo-mu lab)
- Protection ring on top of water tank
- Platform to access chimneys for PMT cables
- Support for heat exchanger

Contract for all these items signed (MPI Heidelberg)

Production in progress