



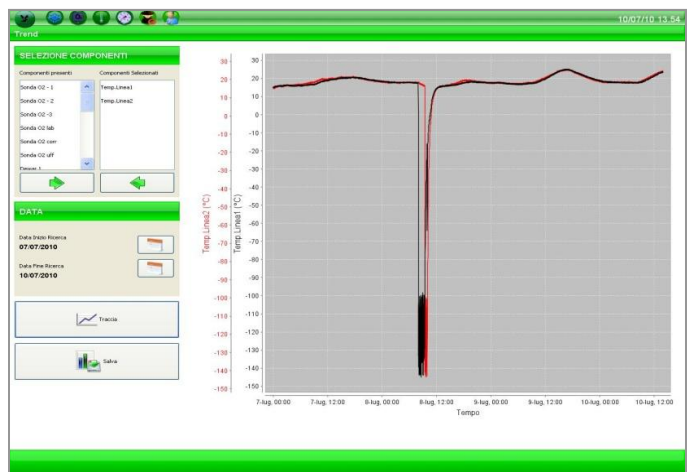
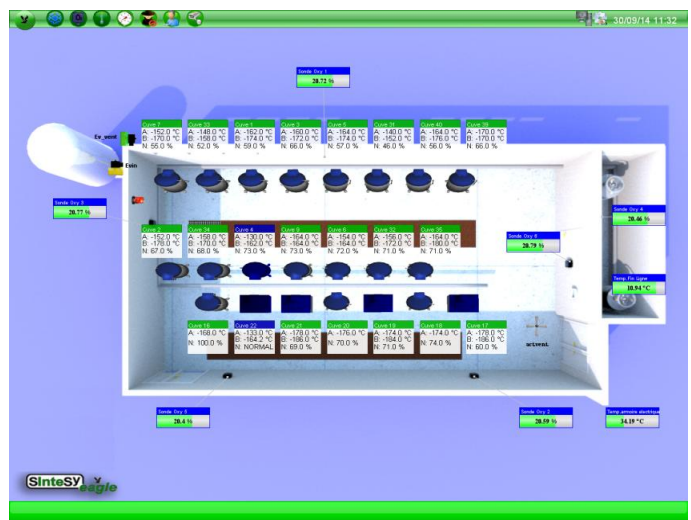
## MEDICAL DEVICE SOFTWARE FOR SUPERVISION AND CONTROL OF CRYOBANKS AND BIOBANKS

The SINTESY.eagle.cryo supervision system is a SCADA (Supervisory Control and Data Acquisition) software dedicated to the oversight of the devices storing biological sample in Biobanks and Cryobanks.

Thanks to SINTESY.eagle.cryo it is possible to monitor in real time the status of the entire plant: the cryogenic freezers, the external bulk tank, oxygen sensors, ventilation system, access control, antitheft, etc. The plant is shown using a scaled synoptic of building plants which can be browsed through a special menu.

The system is based on a powerful database. It is able to build tabular or graphical trends of the recorded values. Similarly, the database stores the alarms occurring in the plant with their activation date-time-event and restoring of normal conditions.

The system is used by several users connected locally (intranet) or remotely (internet). Thanks to internet, technicians are able to provide immediate support in case of anomalies.



SINTESY.eagle®, certified as Medical Device, is a modular system consisting of:

- RTU (Remote Telemetry Unit) modules connected to field devices via a RS485 bus. The RTUs can be either digital (like SINTESY.S100), to read pressure and temperature switches etc., or analog (like SINTESY.S110) to read pressure, level, temperature and flow rate signals, etc;

- The S300.smartPLC module which handles the full automation of the cryobank (see the related documentation);
- The industrial PC, connected to the S300.smartPLC module. The industrial PC, using the software SINTESY.eagle®, manages a database (DBMS) and realizes the function of Client application.

# Key features

- Display of alarms in real time
- Display in real time of physical quantities such as pressure, level, temperature, etc.
- Storage of measured values with frequency set by the user.
- Storage of events and alarms
- Data reconstruction in graphical and tabular form, exportable in Excel format
- Sending alarms via telephone dialer S140 on GSM network, provided with voice messages and/or SMS
- Viewing by intranet or internet via a simple browser
- Ability to carry out an "inspection" with periodical reports, representing the status of the entire plant
- Ability to change alarms thresholds from local or remote side (after getting access as administrator)
- Designed according to the guidelines GMP and CFR21-11
- Multilingual support (IT, EN, FR, GE, others on request)



CE 0051

The product is certified Medical Device, CE0051  
According to European Directive 93/42/CEE and 2007/47/CE, Annex II;  
Class IIa, following Annex IX, rule 2



SINTESY S.r.l. is certified:  
ISO 13485 Medical Device – Quality management systems  
ISO 9001 Quality management systems

# SInteSY

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