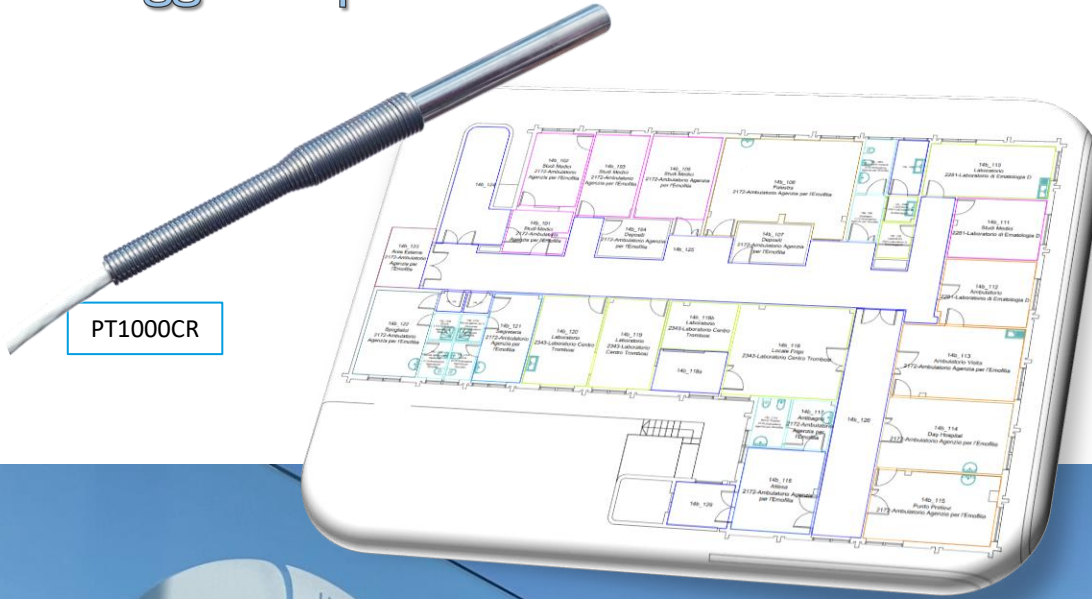


Hospitals Monitoring

Careggi Hospital in Florence



Background

Cryogenic liquids, typically liquid nitrogen, are used for sensitive cold chain applications, such as preserving blood, vaccines and organs and freezing biotechnological products. Even some chemical reactions in the fields of medicine and pharmacology require temperature of less than -180°C .

The solution

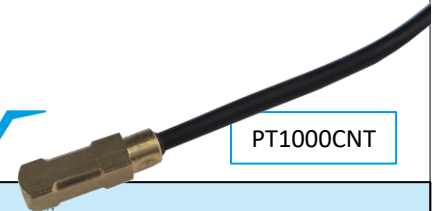
In 2016 Florence's Careggi Hospital needed to implement a temperature monitoring system in various wings at the facility. However, the requirement was not just to log the temperature in various rooms with the usual temperature and humidity dataloggers, but also to monitor micro-environments in the haematology and genetics departments, and in some medical laboratories. In these rooms the temperature to be monitored could fall well below -20°C , in some cases reaching -200°C .

The result

Using the WineCap™ technology it was possible to view all temperature data with the same user account through the CAPETTI Service Centre. Precision platinum resistance thermometers were provided already cabled to the respective dataloggers and the data were stored in the cloud.



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The winning choice WCap

- ✓ WSD02-TT1K (temperature on two channels with external thermoresistances)
- ✓ PT1000CNT (brass thermoresistance)
- ✓ PT1000CR (stainless steel thermoresistance)