# RMCS. Remote Monitoring and Control System.

Benefits

Remote monitoring and control of cryoplants is becoming ever more important to keep complex technical processes up and running. The RMCS (Remote Monitoring and Control System) from Linde Kryotechnik is a modular service management solution for remote plant monitoring, control and data archiving.
The plant efficiency, performance and availability can be improved using RMCS:

→ Its schematic overview and user friendly operation makes the RMCS a powerful tool for plant operators and for training staff
→ Facilitates diagnoses where a detailed view of the process is necessary
→ Reduces costs and resources by giving operators fast access to the control system, even from remote locations, for process monitoring, solving plant malfunctions or optimisation
→ Through its data-trend recording, current and past operational records can be analysed in order to interpret actual values
→ The message log collects valuable information that facilitates a better understanding of the plant's behaviour and allows troubleshooting

Schematic plant overview
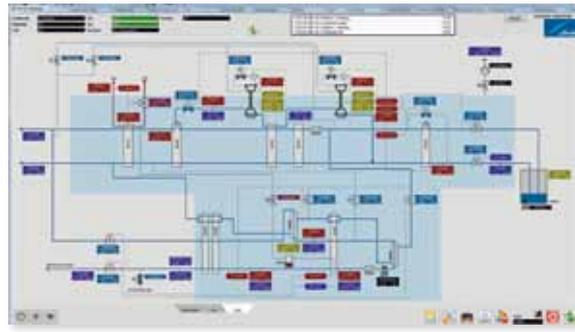
The schematic overview illustrates your plant as a process flow diagram. Different kinds of overviews are available to represent the plant in its actual operation modes and states. Process parameters, instrument values, warnings, alarms and other relevant data can instantly be observed.

Trend recording
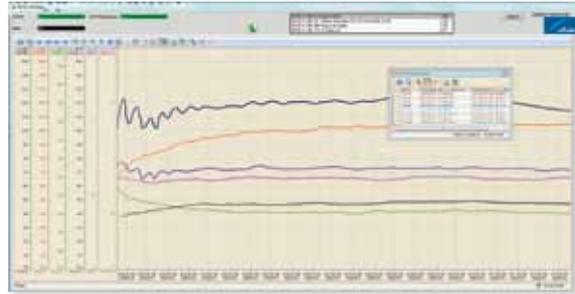
Data trends are sampled in live mode. Automatic data recording and backups ensure the availability of long-term records. The user can customise the display by adding or removing TAGs (identification labels of instruments and equipment), modifying curves or changing time settings.

Control settings and plant messages

Controller pop-ups are opened directly with a click on the controller TAGs. The current control loop status is displayed and control settings can be modified. Control valve pop-ups allow switching between automatic or manual mode for positioning.

Scope

Linde Kryotechnik's RMCS consists of the following components:
→ Siemens Simatic industrial PC
→ Keyboard and mouse
→ 21.5" TFT monitor, 16:9
→ Windows 10 operating system
→ WinCC, v7.5 RT or higher

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