

robecco secure center is a central fully-automatic control system, which guarantees the inert atmosphere during chemical and physical processes.

Sensors and actuators are connected to the system which prevents effectively dangerous process situations. robeco secure center controls and regulates the following components:

- Gas Analyser Systems
- Temperature Sensors
- Inerting Systems
- Valves and Flaps

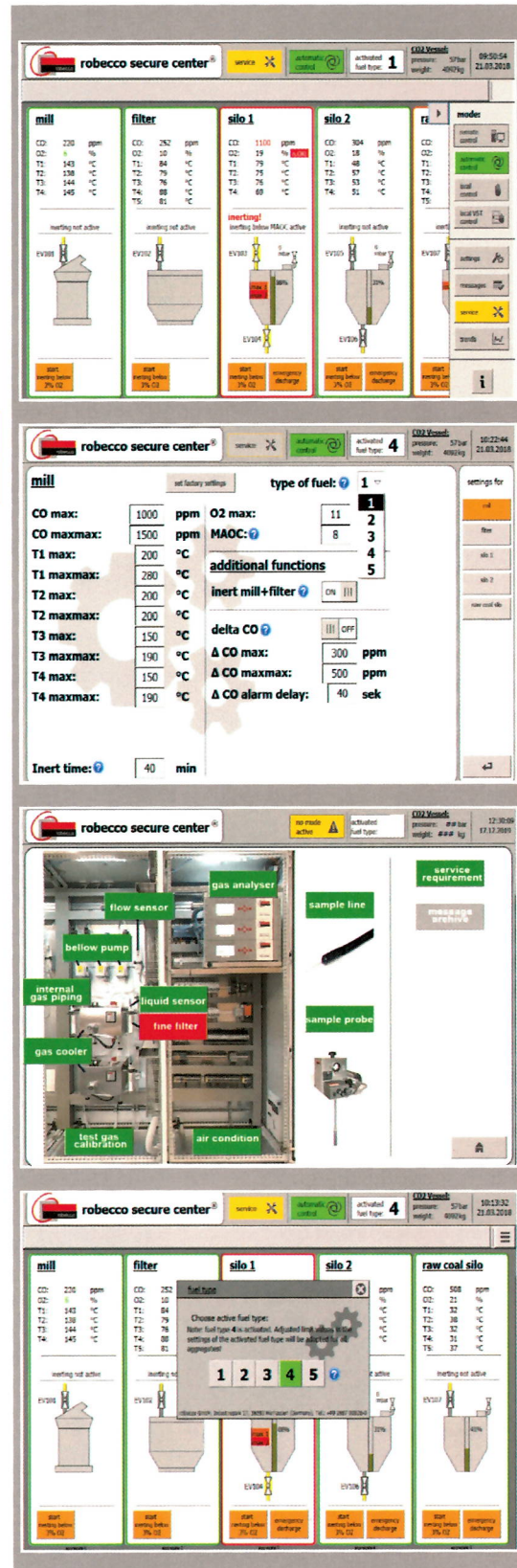
FULLY AUTOMATIC
INERTING



Technical characteristics:

Service:

- Fully-automatic monitoring and control system
- Visualisation of the complete inerting process
- Fully adaptable at operator CCR
- User friendly operation
- Service and Maintenance monitoring
- Remote maintenance available
- Failure indication in plain text messages
- Trend view and data memory
- Self-sufficient system functions without upper PLC control
- Exact CO₂- or N₂- dosing regarding effectiveness and environment
- Monitoring of CO₂- or N₂- storage guarantee the procurement and stock
- Monitoring of system-relevant functionalities of the inerting system, gas analyser systems and temperature sensors
- Automatic determination of maintenance intervals of single components independent of operation duration or malfunctions
- Full Services
 - Project engineering
 - Manufacture
 - Commissioning and
 - Training

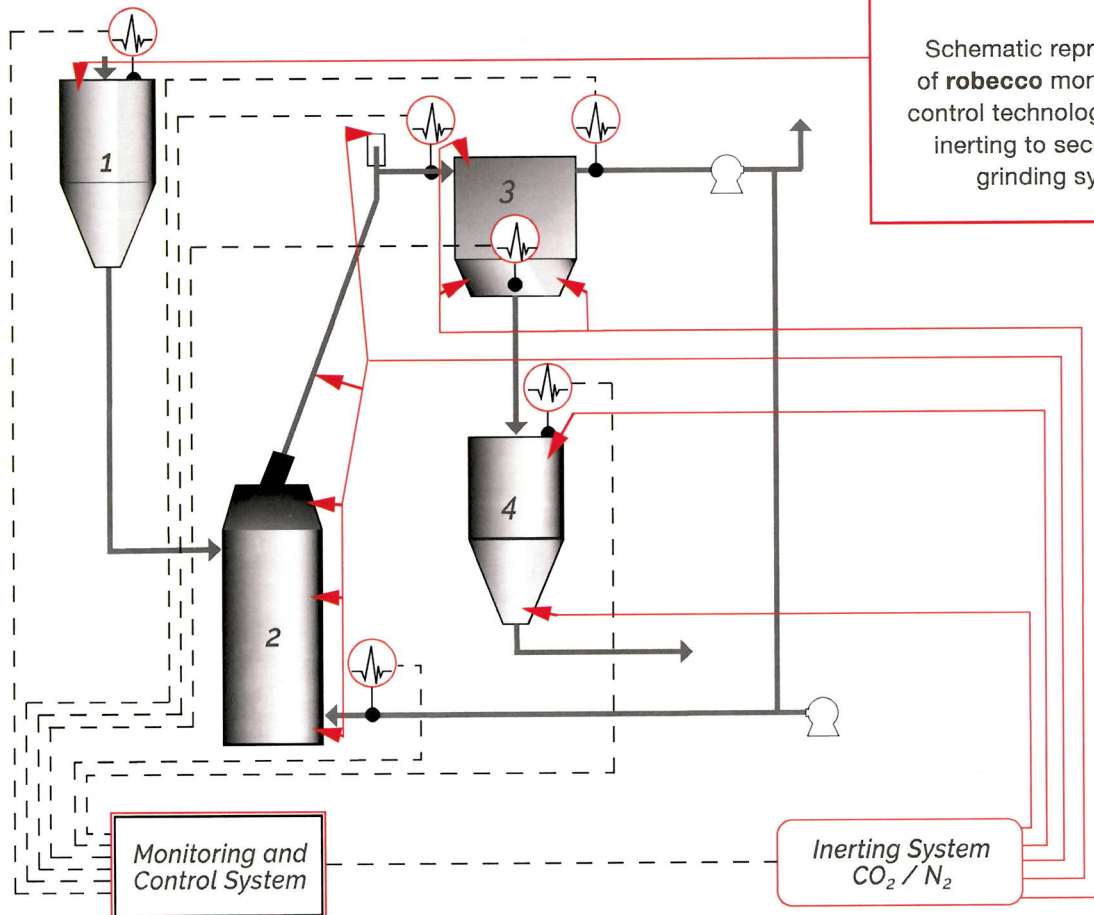


Visualisation and Human-Machine Interface

MONITORING, CONTROL & INERTING CONCEPT

EXAMPLE CONCEPT

Schematic representation of **robocco** monitoring and control technology, including inerting to secure a coal grinding system.



1. Raw coal silo
2. Mill
3. Bag filter
4. Coal dust silo

○● CO/O₂-Measurement
 ◀ Injection point CO₂ / N₂

AREAS OF APPLICATION:

- Coal grinding / storage
- Sewage sludge processing
- Biomass
- Power plants
- Minerals
- Cement industry
- Chemistry
- Food industry

WHAT DOES INERTING MEAN?

The target of inerting is the reduction of O₂ in explosive atmospheres. Inert gases like CO₂ / N₂ have a low level of reactivity and reduce the Oxygen below the limiting Oxygen concentration.