

Opsys

Open hardware & software control and monitoring system

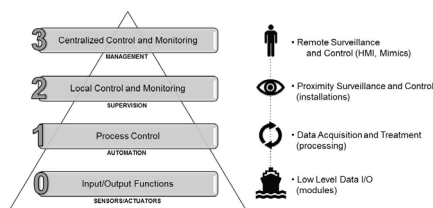
- Sea proven system
- Modularity and easy customization
- Real time calculator
- High modularity of components
- Redundancy features
- Qualified to be use in unmanned machinery spaces



OPSYS SOFTWARE CUSTOMIZATION

Software configuration method is based on using a single database to configure the system.

- Database configuration:
 - Installation architecture design
 - Hardware architecture (Monitoring Unit, Calculator unit, network...)
 - System variables definition: global variables, I/O channel definitions
 - Communication frames with external installations
 - MMI configuration details (standard symbols and animations...)
- Data generation: Export of all data to the monitoring development tool and Automation development tool (ISaGRAF).
- Monitoring Software Design: mimic design
- Modelling and simulation of the complex process with Matlab/Simulink tool.
- Process automation software design: This step consists of implementing all the functional requirements for the control system (Automation part).
- Software upload and testing: Application integration and testing.



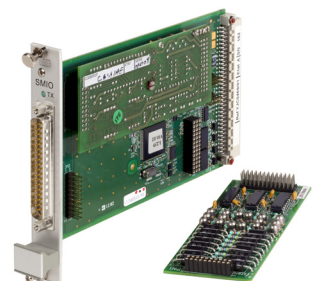
Control and monitoring functions

- Remote input/output acquisition & management
- Process automation and control
- Local Monitoring & Control Interface
- Centralized and Remote Control and monitoring
- Network data sharing



Opsys hardware calculator unit

- Rack version 19", 3U single Europe format
- VME, CPCI standards
- VxWorks® O. S, Windows® O. S.
- Ethernet and serial link interface
- RIO modules with redundant filed bus
- Redundancy feature



OPSYS input output modules

- SMIO Motherboard with AVR32 microprocessor and piggy-back modules (I/O).
- Large panel of I/O modules type (DO, DI, AO, AI,...)