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ICSYS SUITE SOFTWARE

SMART
CONTROL
SOLUTIONS



SCALABLE SOFTWARE SOLUTIONS AT YOUR FINGERTIPS

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TAKING CONTROL SYSTEMS TO THE NEXT LEVEL

iCsys Control System series is a multipurpose modular design of hardware and software allows developers to effectively construct a solution that easily scales to the system control requirements. Developers use this flexibility to add value and system differentiating features at the level of complexity that fits the challenge.

iCsys has a powerful, proven solution for today's challenges: a complete development environment for system, machine and robotic control solutions. With the combined powers of our hardware technology, the iCsys Suite software platform, and a growing portfolio of products, you are able to rapidly develop and customize electronic control systems and machine control. iCsys Suite provides a new level of freedom for design engineers, all while reducing coding time and testing.



Scalable software solutions at your fingertips

With the **iCsys Suite** platform, you can quickly build customized applications from the library of software control components and reduce the cost and development time normally associated with programming.

Our modular design of hardware and software allows developers to effectively construct a solution that easily scales to the control requirements. Developers use this flexibility to add value and machine differentiating features at the level of complexity that fits the design challenge.

TAKING CONTROL SYSTEMS TO THE NEXT LEVEL

System Highlights

> Areas of operation

- ▶ Operation and overview of any control system
- ▶ Remote operation/supervision
- ▶ Auxiliary operations (tooling, template, drones, ROV, etc.)
- ▶ Onshore remote operation/supervision

> Communication

- ▶ Standardized communication protocols
- ▶ Encrypted cloud services for remote operation
- ▶ Canbus
- ▶ Modbus RTU / UDP / TCP
- ▶ Serial (RS232/485)
- ▶ H264/265 Video Decoding
- ▶ Many more
- ▶ Open API

> Redundancy

- ▶ Runs on a computer, can therefore be backed up as many times as wanted
- ▶ Removes the need for big complex topside rack systems with PLCs

> Sensors

- ▶ Logging possibility on all types of sensors

> Logging

- ▶ Live presentation of logging graphs
- ▶ Configurable sampling period setup
- ▶ High definition graphs
- ▶ Automatic generated reports
- ▶ Export of data to CSV format

Key Benefits

- ▶ Extreme Capex & Opex reduction
- ▶ Replaces need for big topside PLC-based rack systems with a computer
- ▶ Standardized communication protocols
- ▶ Open API
- ▶ Remote control possibilities through encrypted cloud services
- ▶ Encrypted remote communication
- ▶ Reduced mobilization time and cost
- ▶ Reduced POB (people on board)
- ▶ Reduced time of operation
- ▶ Easy setup

BRINGS IT ALL TOGETHER



Reliable, intelligent and Totally customizable

With iCsys Suite you'll have the power to create well differentiated, custom solutions to help you bring better systems to market faster.

Using the suite, control system developers draw from a hierarchy of pre-tested software blocks or modules that can be reliably integrated at all levels. Its drag-and-drop platform reduces the cost and development time normally associated with programming.

iCsys Control Suite ties advanced control technology together

– ensuring all hardware products integrate seamlessly together in the customized control system developed using the iCsys suite Control Software.

The suite is an expanding set of building blocks that allows you to choose everything from basic components to operation-ready solutions. It also includes system diagnostic tools, logging and graph features, alarms, triggers and customizable user interfaces.



envirex
iCsys
envirent



Envirex Group

4352 Kleppe, Rogaland NORWAY
+47 477 77 500

Envirex AS

Hattelandsvegen 92
N-4351 Kleppe
NORWAY

post@envirex.no
+47 477 77 500

iCsys AS

Postvegen 610
N-4351 Kleppe
NORWAY

post@icsys.no
+47 477 77 500

Envirent AS

Hattelandsvegen 92
N-4351 Kleppe
NORWAY

post@envirent.no
+47 477 77 500