

# INGESYS

# IC3

PLC  
for process control



### Applications:

Continuous process control, energy generation, distribution and transport, chemical sector, railway and marine transport, water treatment and distribution.



The INGESYS™IC3 PLC is part of the INGESYS™IC family of control systems, designed to meet the automation requirements of all types of applications, from the simplest to the most demanding in terms of processing capacity, performance and reliability.

## Automation Systems

### Power and Flexibility

Thanks to its modular, flexible character, INGESYS™IC3 offers solutions adapted to the processing capacity and budget of each individual control application.

INGESYS™IC3 allows you to define a wide variety of topologies with options for power source redundancy, processor units, communication networks and input/output modules.

### Connectivity

INGESYS™IC3 offers a wide range of connectivity interfaces for integration with both field devices and control and management systems, based on the most renowned industrial standards. Besides the various communication options via Ethernet and field buses, INGESYS™IC3 offers features such as FTP support, USB ports and the ability to act as a web server.

### Reliability and Robustness

INGESYS™IC3 is specially designed to work in industrial surroundings with demanding environmental conditions. Exhaustive quality control tests and rigorous environmental and vibrational tests vouch for its reliability and robustness. INGESYS™IC3 is UL-certified and CE-marked.

### Reduced Engineering Times

INGESYS™IC3 boasts a powerful engineering tool based on the IEC61131-3 standard. This user-friendly tool allows you to plan and program your application, thus considerably reducing engineering and commissioning times.

INGESYS™IC3 offers additional added-value features as, integration with MATLAB/SIMULINK and the option of incorporate C tasks.

### Maintenance and Diagnostics

Maintenance staff will find INGESYS™IC3 to be a modular system which is easy to install and configure, with advanced features such as Hot Swapping (substituting elements without having to stop the process). It also comes with autodiagnosics tools for rapid error detection, significantly reducing the number of stoppages as well as repair times.

### Direct Customer Support

All of the products developed by INGETEAM provide client training and a direct customer support service offered by highly-qualified, dedicated personnel.

[www.ingeteam.com](http://www.ingeteam.com)  
[ingesys.info@ingeteam.com](mailto:ingesys.info@ingeteam.com)

# Ingeteam

## General data

- Microprocessor
- Program memory
- Removable memory
- Ram Memory
- NVRAM memory
- Run-time system
- PLC cycle time
- Module capacity
- Ethernet communications
  
- Field buses
- Programming languages
- Function libraries
- Temperature range

## IC3

Pentium 500MHZ (800DMIPS) and ARM 400MHZ (500DMIPS) compatible processors  
 Integrated (Up to 10MB flash)  
 Up to 2GB compact flash memory  
 Up to 5MB Ram memory  
 62KB non-volatile RAM memory  
 Up to 10 tasks  
 1ms for over 60,000 instructions, depending on application code (without I/O cycle)  
 Up to 256 I/O modules  
 TCP/IP, Modbus TCP, FTP, webservices, SNTP, IEC 61131-5, IEC 61850, IEC 61850-7-410,  
 IEC 61400-25, IEC 60870-5 -101/104  
 Modbus RTU, Profibus, Interbus-S, CANopen, Ethercat  
 IEC 61131-3, C/C++, Matlab/simulink  
 General, Logical, Analysis and Digital processing, Regulation, Data Logging and Communications  
 From 0 °C to 60 °C without force-air cooling. Cold temperature variants (from -30 °C to 70 °C)

