

PROPAT

INTEGRATED PROCESS CONTROL

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ProPAT: ROBUST & AFFORDABLE PROCESS CONTROL TECHNOLOGIES FOR IMPROVING STANDARDS & OPTIMISING INDUSTRIAL OPERATIONS

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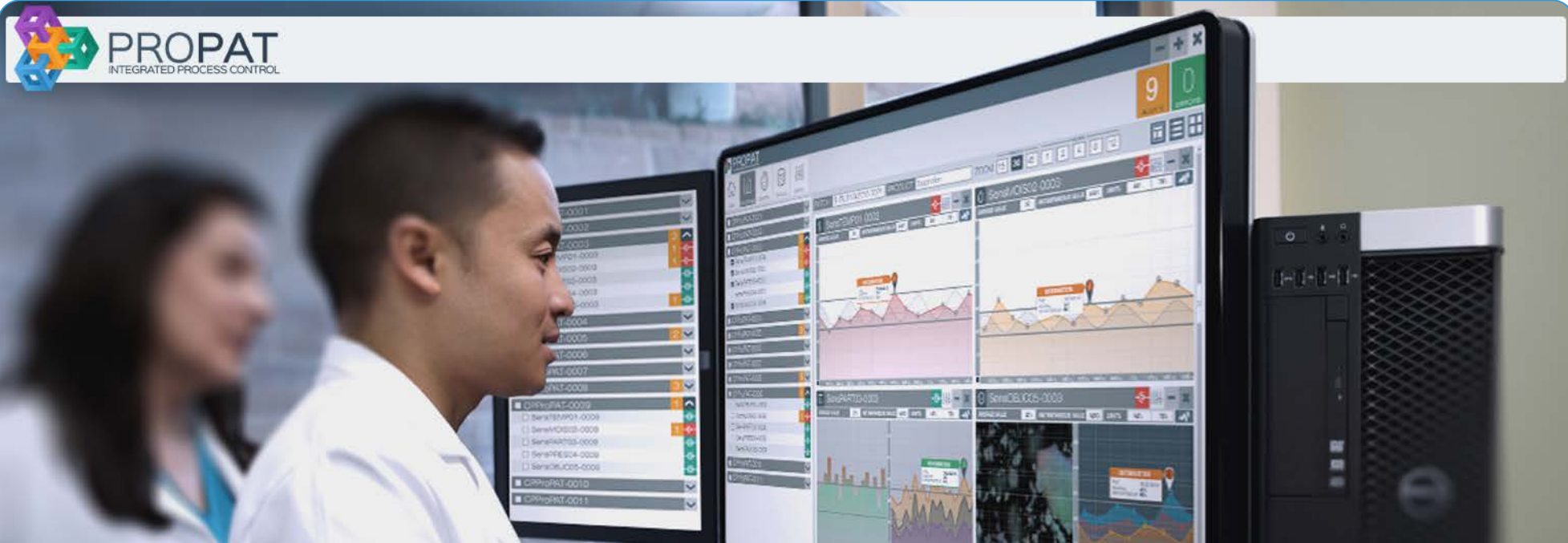
ROBUST & AFFORDABLE PROCESS CONTROL TECHNOLOGIES

ProPAT project aims to develop and to implement an integrated process control platform able to optimize execution times, efficiency in raw materials use and product quality control at different types of industries: pharmaceutical, metals, mining and chemical. Starting from the scientific and industrial validation of cost-effective novel sensors technologies for four different case studies, the use of smart sensors suites, the development of advanced engineering solutions for industrial adaptation and the use of a Global Control System that acquires and processes the data for closed loop control of the process or for decision support, and mines the data for process optimization;

ProPAT looks forward having a strong impact in PAT integration at European Industry ensuring a more efficient control of processes through on-line measurement and modelling of critical quality attributes.

GLOBAL CONTROL SYSTEM

Versatile Global Control System that acquires and processes the data for closed loop control of the process or for decision support.



CROSS-SECTORIAL TECHNOLOGY TRANSFER

Demonstration activities across different process industries: pharmaceutical, metals, mining and chemical, will ensure the cross sectorial technology transfer and the high versatility towards a vast quantity of processes, to its specific needs and the possibility of scaling it up to any type of industry.



PHARMACEUTICAL



METALLURGICAL



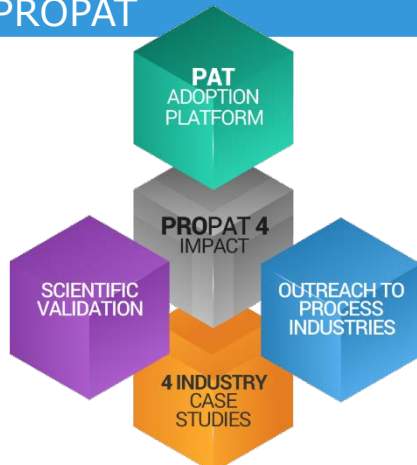
CHEMICAL



MINING

IMPACT OF PROPAT

ProPAT fulfils scientific and industrial validation for four case studies. It is expected to have a strong contribution to the implementation of PAT in the European Industry



LOW COST ANALYSERS

Low cost analysers combined with smart sensors for monitoring in real time the Critical Control Parameters of key processes in the Process Industries



SPECTRAL ENGINES-NIR Sensors



ICFO-Particle Size Detector



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