



Process and Factory Automation APROL





APROL System Overview



APROL. Open DCS platform.



APROL Process Control System



APROL. Fitting for all disciplines.



4444+ installations worldwide





APROL

Process Data Acquisition



Challenges of an Efficient Factory: Data Transparency





Key Players in the Factory Automation: Roles - Goals - Methods







MICROTECNA Engineering

Flexible. Open. Scalable.







3 steps to data transparency



Data acquisition with APROL

MICROTECNA Engineering



Easy integration into existing systems







3 steps to data transparency



Data analysis



Challenges



Different formats

Not only IEC data points Videos, PDFs, image files, etc.

Higher speeds

Faster fieldbus technology (Gigabit) Higher controller sampling rates

Large volumes of data

Terrabytes instead of megabytes

Data analysis with APROL PDA



Increased volume of usable data







3 steps to data transparency





Mobile. Intuitive. Real-time.

Standard reports

Web-based design tool

Fixed format and content Adaptable graphs and charts



Ad-hoc reports

Any data sources No SQL knowledge needed Drag-and-drop



MES and ERP data Operating and process data Automatic OEE reports





More than simply process data acquisition

BFP

Factory automation

Advanced process control Condition monitoring Energy monitoring Line management



Integration of machine HMI





MICROTECNA

Engineering

OMAC PackML integrated

Integrated audit trail

Standard control modules Standard faceplates Line-wide transparency Archiving of all data



Compliant with FDA 21 CFR Part 11

Seamless traceability All operations logged Integrated commenting









YOUR GLOBAL PARTNER FOR AUTOMATION EXCELLENCE