EPICS Java IRFU's developments

TUMBCMO02

Contacts

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Technical and human context

"2 frameworks of control system coexist at IRFU"

Small compacts experiences :

- In-house solution
- Embedded SCADA
- Only 2 developers

Mains features :

- Windows OS
- SIEMENS PLC protocol
- Optimized archiving system
- Alarms manager
- MUSCADE server only in Java
- GUI based on Java AWT and AutoCAD
- Secured and remote access (Java Web Start)
- Replay mode

Large accelerators :

- International projects (ESS, BNL, SARAF ...)
- Complete frameworks
- Large community of developers

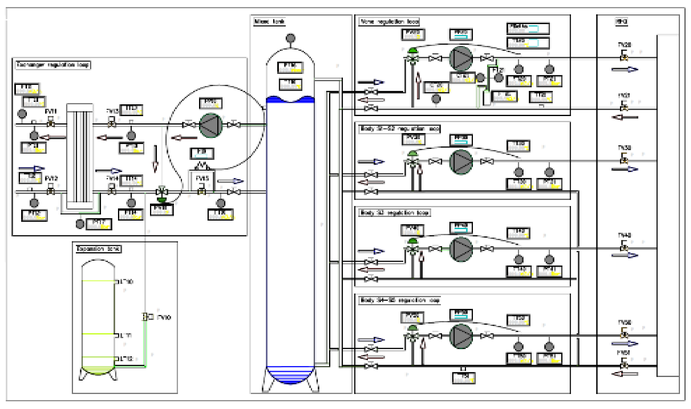
Mains features :

- Linux and Windows OS
- Several drivers and protocols including SIEMENS
- Archiving Appliance
- Alarms manager (Based on Kafka)
- EPICS server in C , C++, Python, Java, LabVIEW's.
- GUI based on Java SWT, Java FX, python, QT
- GUI development with CS-STUDIO (Java FX)
- Web client

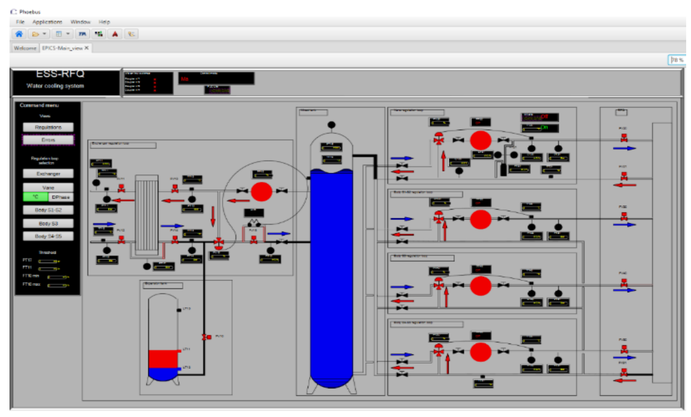
Focus on 2 developments

"AutoCAD CS-STUDIO convertor"

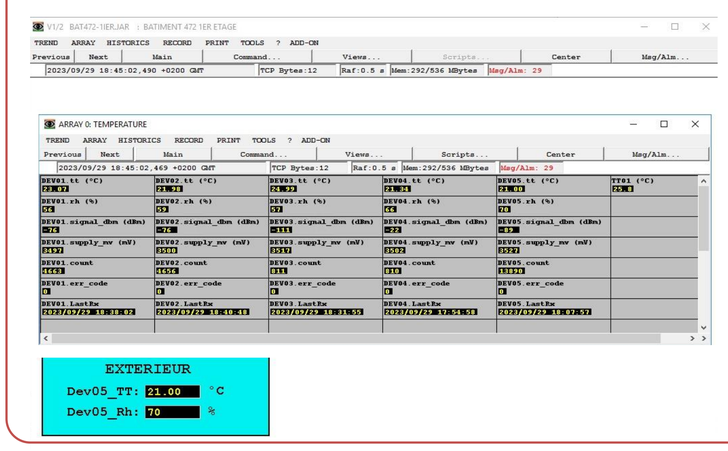
AUTOCAD

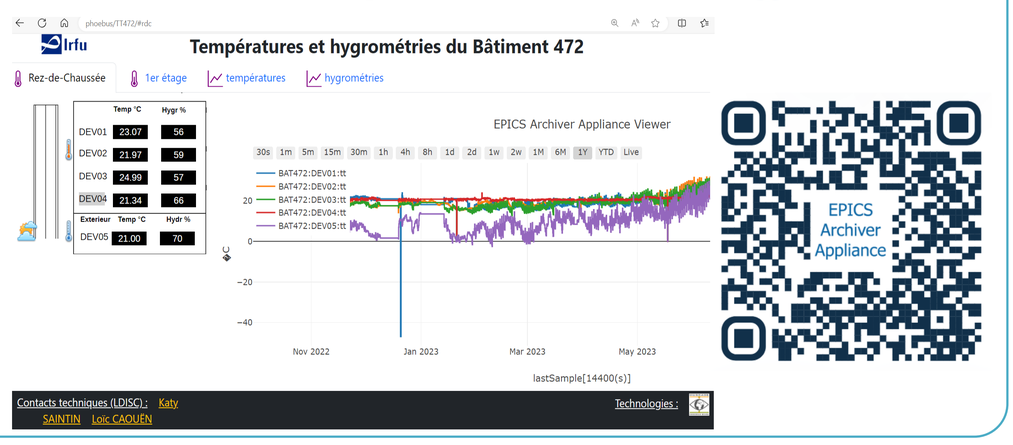


DXF2BOB convertor



"MUSCADE TO EPICS Gateway"



EPICS4MUSCADE

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