

WP Vacuum Control System

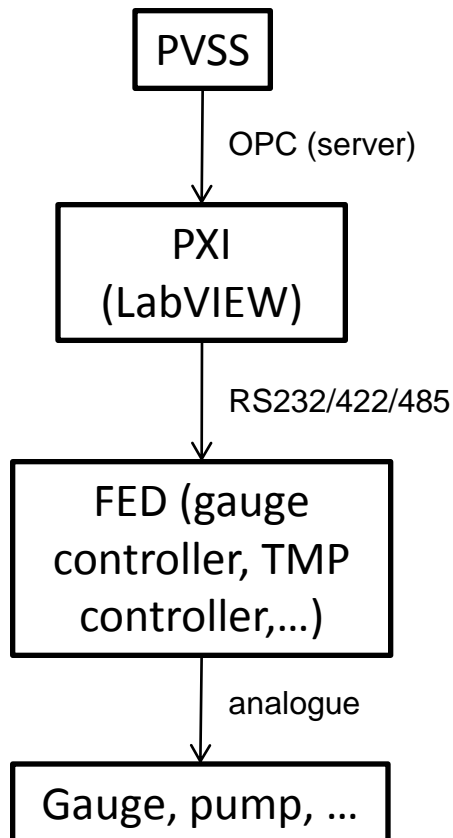
2nd MACS week 2010
Joachim Wallner

Baseline

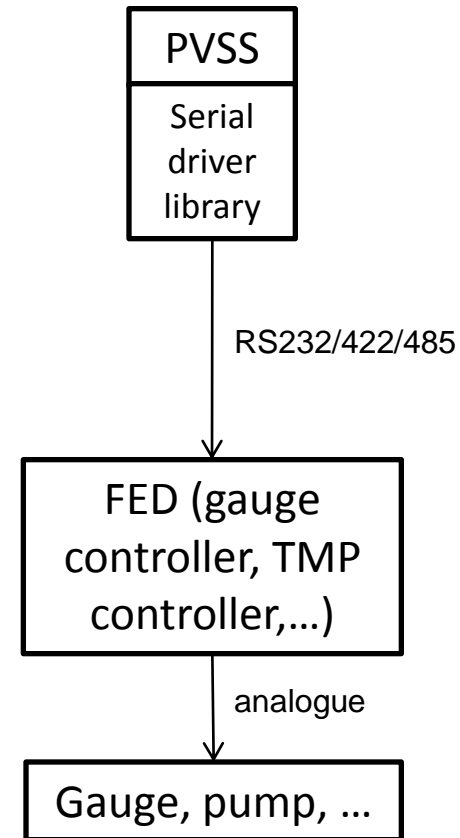
- No electronics in the accelerator hall → all signals from and to the rack room are transmitted analogue
- Interface between the control system and the controllers of the equipment is always RS232/422/485
- PVSS as SCADA
- Not time critical → control system runs on a dedicated server independently from the other control systems

Two possible solutions

1.



2.



Schedule for the control system

- Conceptual design: October to December 2010
- Training to use development infrastructure (LabVIEW, PVSS, ...): October 2010 to January 2011
- Development of the vacuum control system: February to July 2011

Needed resources

- Training and support by the WP Controls
 - PVSS
 - LabVIEW
- One programmer – will be hired for 6 months (? , depending on workload)
- PVSS serial driver library

Thanks for your attention

Any questions?