





CRYOGENICS OPERATIONS 2008

Organized by CERN

WEB-BASED TOOL FOR REPORTING OF OPERATIONAL NON-CONFORMITIES AND TRACKING ASSOCIATED CORRECTIVE ACTIONS

Ana Sofia ALMEIDA PAIVA, Christoph BALLE

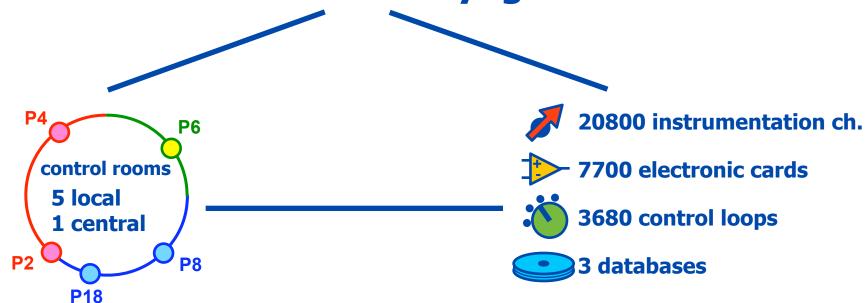


Content

Task Conditions Development Demo Results Conclusions



LHC Accelerator Cryogenics



Fine Tuning and Beam Operation



- "bidirectional Logbook"
- simple of use
- visible and editable from everywhere -> Web-Application





- **Cryogenics Group**
 - well-rehearsed sections
 - close proximity
 - experience

L. TAVIAN **Group Leader** J. BREMER Deputy D. DELIKARIS **Deputy**

Central Cryogenic Laboratory CL

T. NIINIKOSKI

L. DUFFAY

F. HAUG JL. SERVAIS

R. VAN WEELDEREN H. VIGIER

OA CLAUDET

EYCHENNE

FERLIN **HERBLIN**

Operation for

Accelerators

JUNKER

LAMBOY LUSSI

MILLET

MILLET

PARENTE VINCENT WAGNER

NAVION-MAILLOT

Operation for Detectors & Test Area

OD

BARTH

BENDA

CHANUT

CONSENTINO G. CUCCURU

N. DELRUELLE

Th. DUPONT

FABRE

RODRIGUEZ

STEWART

Mechanical Support & Maintenance

MM

PIROTTE

GOIFFON Ch. JOUVE

KNOOPS

MATTELON METRAL

METSELAAR

PERIN

PERINIC

D. RYBKOWSKI **VULLIERME**

for Accelerators IN

Instrumentation & Controls

CASAS-CUBILLOS

Ch. BALLE

FERNANDEZ PENACOBA

FORTESCUE-BECK

GOMES

JEANMONOD SURACI

TOVAR-GONZALEZ

VAUTHIER

Controls for Detectors Electrical Support CE

M. PEZETTI

ALLIOD

BATAILT

BAUD

Ch. BERTELIER

D. LEGRAND

A. PARK

JM. QUETSCH

OIT Service

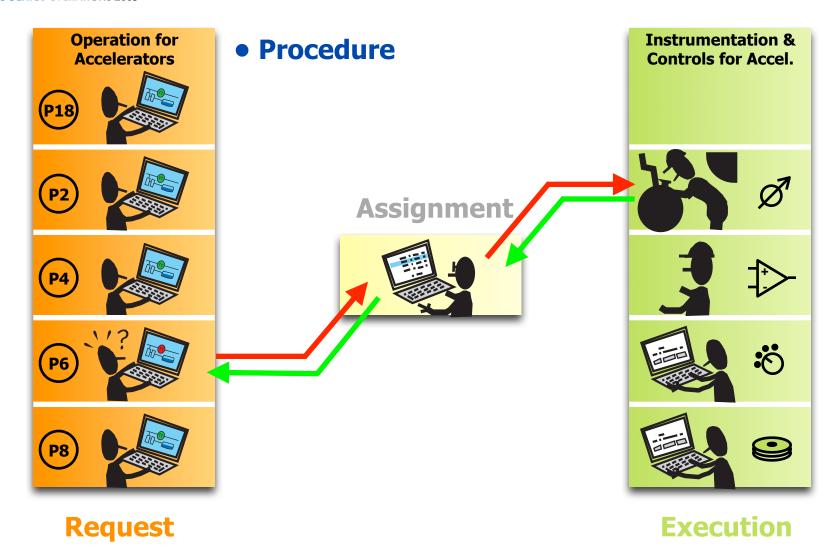
- hard- & software support

⊗ Time

- development end of March 2008, delivery requested for May

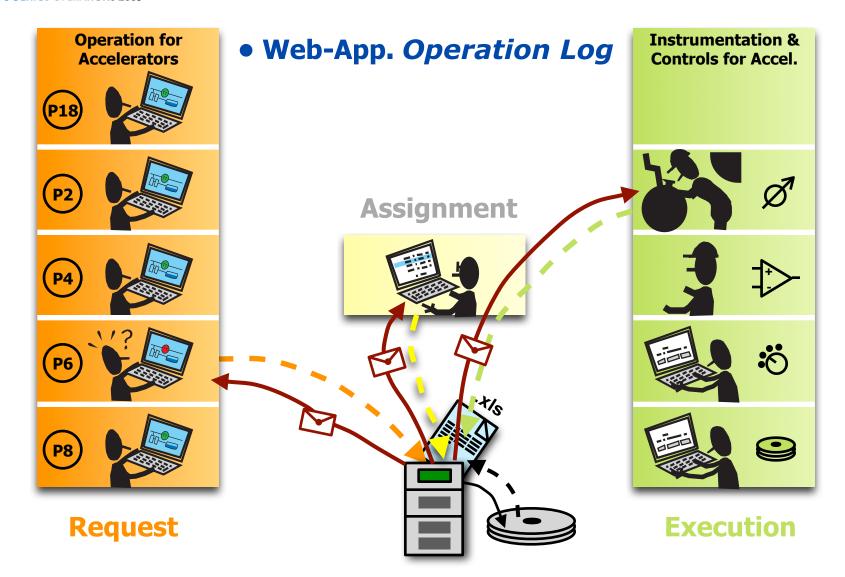












http://at-crg-in.web.cern.ch



- Since end of May: > 400 records
- So far: No crash, no data lost
- Simple of use: no training, no "help-me" calls, no complains
- Documentation: user manual, expert manual
- Operation Log-file is the reference: one single list
- Some user: write macro to customize Operation Log-file
- Cryo HW commissioning meetings with Operation Log
- Since a few weeks: Mechanics team is using Operation Log
- Request: Can also come from instr. & control expert
- **Browser: Internet Explorer®, Firefox®**
- Link to LHC Layout and MTF Database adds information



- Successful development and deployment of Web-App.
- The best application does not replace meetings and face-to-face contact
- In-the-field interventions can be much better planned by priority, location and complexity of the work
- Web-application running well on all browser- and systemenvironments is time-consuming in development and maintenance
- Next: Update Operation Log file from .xls to .xml
- Thanks to all who returned comments, proposals and encouragements