CERN

#askCERN

Hangout with CERN: LHC, why the shutdown?!

28 February 2013

The main 2013-14 LHC consolidations

1695 Openings and final reclosures of the interconnections

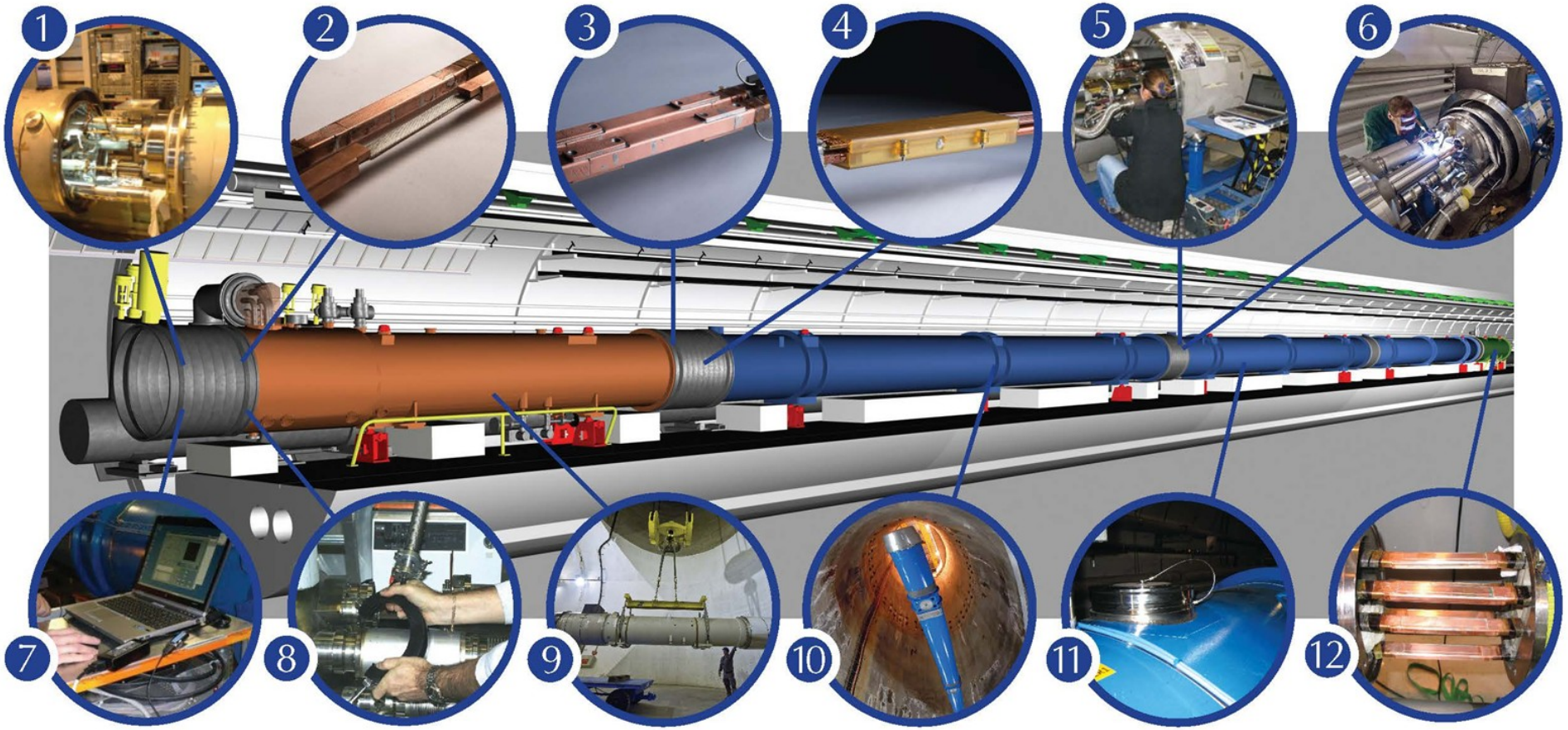
Complete reconstruction of 1500 of these splices

Consolidation of the 10170 13kA splices, installing 27 000 shunts

Installation of 5000 consolidated electrical insulation systems

300 000 electrical resistance measurements

10170 orbital welding of stainless steel lines



18 000 electrical Quality Assurance tests

10170 leak tightness tests

4 quadrupole magnets to be replaced

15 dipole magnets to be replaced

Installation of 612 pressure relief devices to bring the total to 1344

Consolidation of the 13 kA circuits in the 16 main electrical feedboxes

cern.ch/hangouts

- Live streams
- Archives
- Schedule
- Resources

For the latest news

- cern.ch
  - plus.google.com/+CERN
  - twitter.com/CERN
  - facebook.com/CERN
  - youtube.com/CERN
- cern.ch/alice | cern.ch/alicematters
- atlas.ch
- cern.ch/cms
- cern.ch/lhcb-public

Participants and Credits

Mike Lamont, Accelerator Specialist

Seth Zenz — Host

Freya Blekman — Q&A from Social Media

Steve Goldfarb — Hangout fan

Kelly Izlar and Achintya Rao — Production

Thank you for watching!

www.cern.ch