



# CERN

Long Shutdown

Genève (Suisse)



## NEEDS

- **Assist in the numerous maintenance projects** : Long Shutdown no. 1.  
(18 months and guarantee of low exposure level).
- **Adapt to new technologies** : at 13 TeV energy levels.  
(new radiological spectra).

## OUR ANSWER

- **Adaptation of operational organisation** : strict control of job qualifications.
- **Flexibility** : implementation of a monitoring programme adapted to the work.

## CUSTOMER BENEFITS

- **Expertise in radiological and dose measurement requirements.**
- **Capitalizing on data via numerous computer tools.**
- **Incorporation of customer objectives in CERAP's overall on-site organisation.**

4600  
RP tasks on SPS/LHC

40  
technicians available

15000  
calibrated devices/dosemeters

2350  
tests before internal transport