



# CERN Fire Brigade Presentation

- Description and activity
- Organization
- How Fire Brigade use CERN Tetra Network
- Particularities
- What's next?



# CERN Fire Brigade

## People:

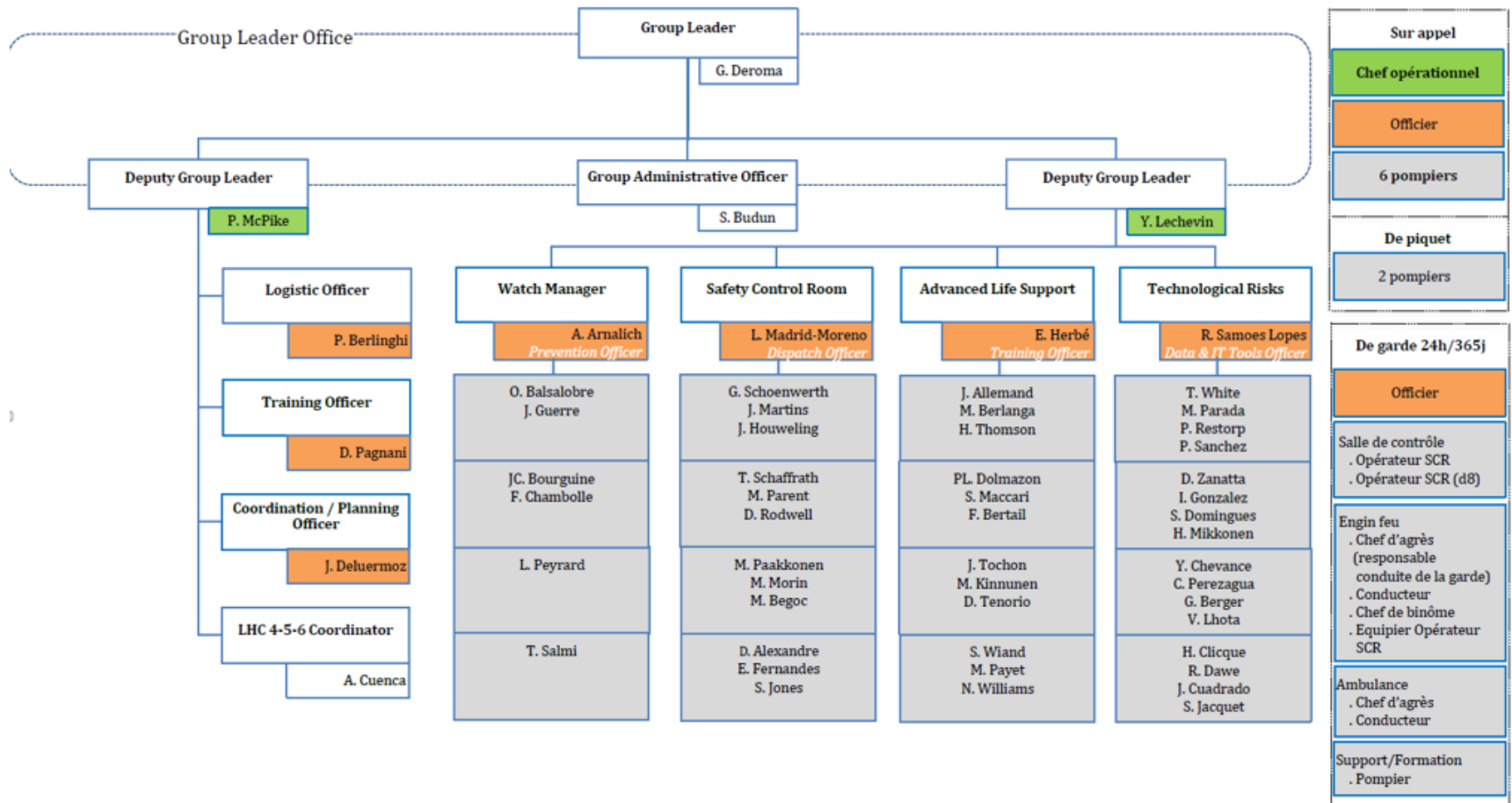
- 57 Professional Firefighters and 2 administrative workers
- 12 Nationalities

## Activity 2015:

- Operational missions: 1988
- Unoperational missions: 664
- Calls taken by Safety Control Room: 31088
- Automatics alarms: 52452



# CERN Fire Brigade



FUNCTIONAL

OPERATIONNEL

# Competency poles

## -Technological Risks:

- Fire
- Chemical Risks
- Radiological risks
- Rope and rescue



## -Advanced Life Support:

- Emergency medical response



# Competency poles

## Controllers: (SCR)

- Emergency calls
- Dispatching
- Information report from the field
- Alarm system supervision
- Tetra Radio Fire Brigade supervision



## Watch managers:

- Daily team management
- Management of low impact mission
- Fire truck crew manager



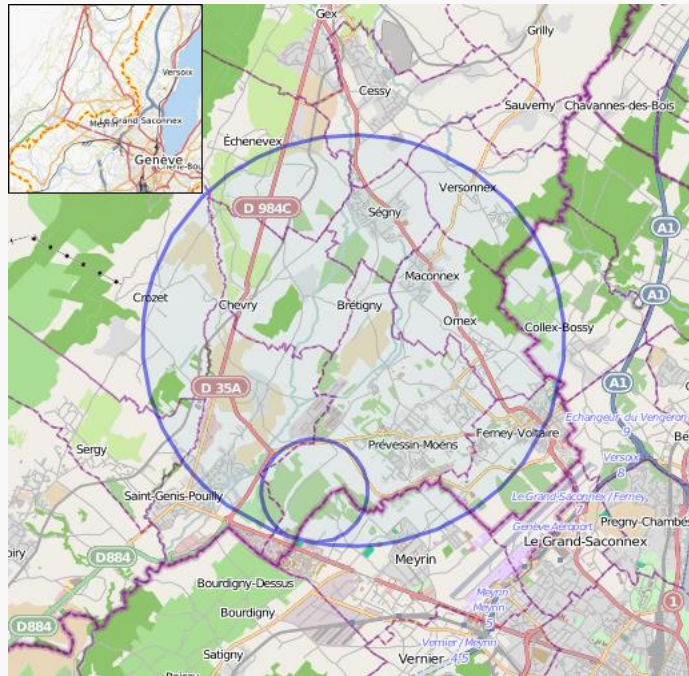
# How FB use Tetra Network

- Radio Communications DMO/DTO
- Geolocalization in/outdoor
- Mandown
- Distress calls
- Status



# Particularities

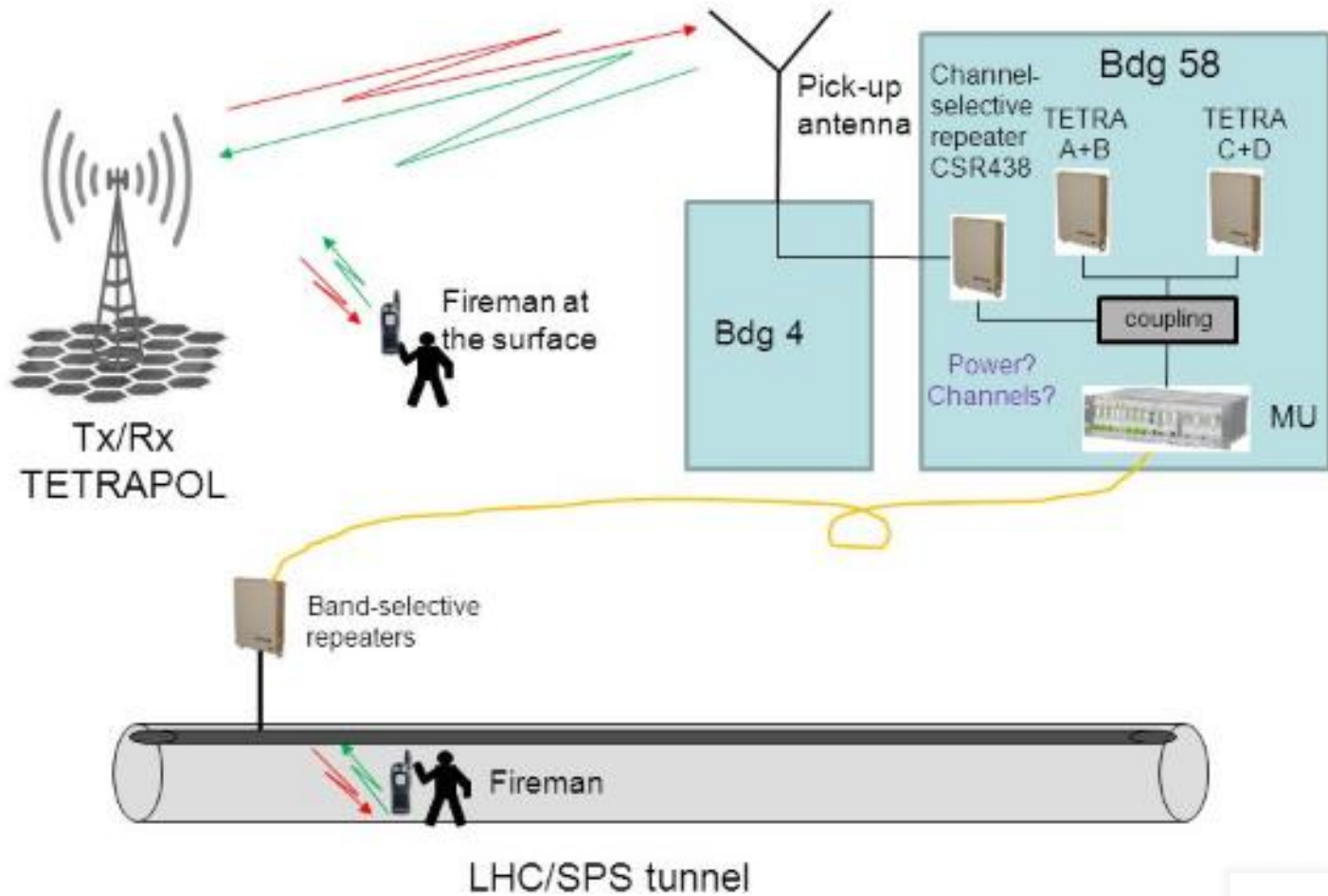
-Due to the location of the CERN sites, renforts asked by CERN FB come from France and Switzerland.



-The CERN Tetra Network give the opportunity to renforts to use their own radio material inside CERN infrastructures, inputting Tetrapol by leaky cables.



# Particularities



# Projects for the future

-Tetra pagers



-GSM/Tetra terminals for Officers

-Vepeaway for underground vehicles



-Repeaters for uncovered zones.

-Improvement of the Safety Control Room, (controllers comfort)



