

DMR private network relied to a telephonic public network

Niaux Cave

May 2016

RESUME

- ✓ Commissioning of telephony system relied to a DMR network.
- ✓ FO-RF OPTIREP® 400 MHz system Installation



MOTOROLA

DESCRIPTION

To insure underground tourism protection, but also to guarantying personal security during interventions, Ariège country council entrusted Selecom for the supply, the installation and the commissioning of a new system of communication, relaying the indoor telephone network of Niaux Cave, and especially in all the galleries utilized by public, around 1000 meters.

With thermal and environmental constraints, SELECOM choose its OPTIREP® 400 MHz.

The deployed solution is composed of:

- A cabinet 19”;
- A DRM/phoning interface relay;
- An optic rack for monitoring;
- 3 FO-RF OPTIREP® 400 MHz remote repeaters (24 dBm for repeaters located at the gallery tips and 37 dBm for the central repeater);
- Omnidirectional and directional antennas ;
- DMR mobile radios 4RP indoor and outdoor of the cave.

