

SFR installs a fuel cell as alternative power back-up source



Case study:

Site: Pigna Corbino, Corsica

Application: Back-up of telecom mobile network site

Installation date: January 2008
Telecom shelter installation (indoor)

Product: ElectraGen™5XTR with skid

Configuration: -48VDC

Fuel: Hydroplus

Customer motivations:

- Back-up of an important site where grid failure is frequent
- Increase site availability and customer satisfaction
- Not possible to install a Genset (no space and UNESCO classified site)
- Long autonomy: Remote site with difficult access (H2 logistic impossible)
- Environmental friendly solution
- Low maintenance and remote monitoring



Chloride technology partner

Because of the remote location of this mobile network base station at Pigna Corbino, Corsica, SFR have chosen to put into place, headlined as a trial, an effective and innovative solution to alleviate power shortage problems.

For the first time on its network, SFR is testing the installation of the fuel cell power system using liquid methanol as power back-up system for a transmission site near a UNESCO protected village in Corsica.

It is an alternative that is ecological and innovative which illustrates the commitment of SFR to respecting the environment.

In the event of a power cut on site, the fuel cell system takes over the power supply immediately and runs until the grid is restored, with the SFR equipment being activated by means of a connected alarm.

The fuel cell technology operating with methanol allow to reduce the impact on the environment to respect the site. Minimum pollution is caused by this fuel source as there is no noise pollution and the equipment camouflages well with the natural environment.

This trial by SFR illustrates their capacity to generate alternative sources of energy to innovate and to guarantee the continuity of its network with respect for the environment.



Fuel Cell systems and reformer module