

SFR installs a fuel cell as alternative power backup source



Case study:

Site: Pigna Corbino, Corsica
Telecom shelter (indoor)

Application: Backup of telecom mobile network site

Installation date: January 2008

Product: ElectraGen™5XTR

Configuration: -48VDC

Fuel: Hydroplus (62% methanol, 38% water)

Customer motivations:

- Backup 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 install an effective and innovative solution to alleviate power shortage problems.

For the first time on its network, SFR is testing the installation of a liquid fueled fuel cell power system 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. SFR are alerted to its activation by means of a connected alarm.

The fuel cell system reduces the impact on the environment with respect to the site. There is minimal pollution, virtually no noise 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 modules