

FIXED

INFRASTRUCTURES



MISSIONS

The Armed Forces must have secure communication and transmission systems.

Either directly fulfilling the role of prime contractor or in partnership with another prime contractor, **CEGELEC Défense Infrastructures & Réseaux** produces complex, reinforced infrastructures to house these communication and information systems.

PROGRAMMES AND REFERENCE SYSTEMS

Communications networks for the French Navy :

- Design and production of low-voltage work-package for the French Marine Transmission Centres, including the monitoring of automatic control systems,
- Maintenance of power, air-conditioning, RF shielding systems.

Combined forces communications networks :

- Design and production of fully equipped Faraday cages, with reinforced air conditioning and power generators,
- Design and production of shelters with protective retaining walls and shelters placed under reinforced concrete casings,
- Maintenance of power and air-conditioning systems.

Communications networks for the French Army :

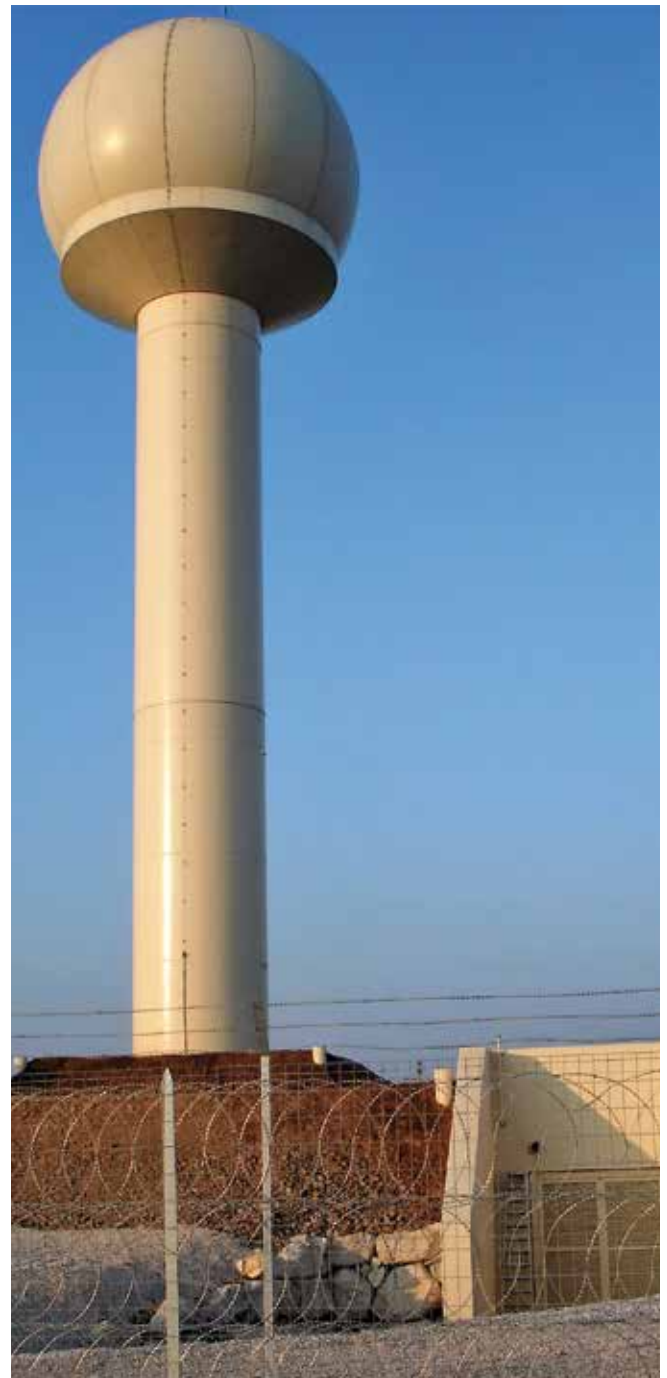
- Design and production of equipped Faraday cages from 50 to 1200m²,
- Maintenance of power and air-conditioning systems, and electromagnetic-protection.

Communications networks for the French Air Force :

- Design and production of networks with buses for implementing fiber optics, installation of communication equipment and data recording for air bases.

Satellite-based networks :

- Electrical, mechanical and climate studies, and outfitting of premises for transmission equipment.



GENERAL CHARACTERISTICS



- Production of hardened «TEMPEST» shelters, including power generators and air-conditioning systems with BC protection,
- Free-standing Faraday cages with reinforced power generators and air-conditioning systems,
- Civil engineering and road and utilities works,
- Production of free-standing Faraday cages, with electromagnetic protection interfaces , including energy, signals, fluids and access points,
- Production and distribution of power and air conditioning,
- IT networks, fire protection,
- Fixtures and fittings relating to all trades and securing the premises,
- Maintenance of power, air-conditioning, electromagnetic -protection, lightning-protection, fire-protection systems,
- Active systems for lightning protection (storm detectors, switches with high isolation power).



LIGHTNING PROTECTION OF ILS (INSTRUMENT LANDING SYSTEM)

- Supply and installation of automatic storm detection systems,
- Maintenance.

MISCELLANEOUS

- Design,
- Implementation,
- Configuration and maintenance of secure videoconferencing and data-transmission systems.

