



## Technical Characteristics

### Dimensions:

Length (cabin): 12200 mm

Width (cabin): 3500 mm

Height (cabin): 3645 mm

Length (system): 19375 mm

Width (system): 8705 mm

Height (system): 6810 mm

Length The LER P/N-TK11080 is equipped with the following subsystems:

- ✓ N. 1 Fire & Gas Panel
- ✓ N. 1 Gas detector
- ✓ N. 2 H2 detectors inside the batteries room
- ✓ N. 9 Multi criteria detectors
- ✓ N. 1 Outdoor Optical Acoustic Alarm
- ✓ N. 2 Indoor Visual/Acoustic Alarm
- ✓ N. 1 Outdoor Optical Alarm

The TK 11080 Local Equipment Room is operative in Libya in the Sarir field, on west edge of the Calanscio Sand Sea at the south east margin of the Sirte Basin. LER is designed, engineered and manufactured by using proven steel structure, in order to ensure customer's satisfaction with guarantee of long operating life.

The Local Equipment Room is operative in the temperature range -2°C @ +55° C and it meets all the environmental requirements: humidity, wind, altitude, fungus, moulds and salt spray. The LER is designed and manufactured to accommodate and secure the racks and the relevant electrical installations.



The LER is divided in more modules to allow the shipping and transportation to the site. The LER is placed in site and assembled together to obtain the designed configuration. Each module is manufactured by a structure suitable to be transported and lifted on site with all the internal accessories, cabling system, racks and equipment pre-fitted, excluding batteries to be installed by the installers directly on site to avoid problems during transportation.

## Environmental Conditions

Plant elevation	< 100 mt
Maximum outdoor temperature	+ 55° C
Minimum outdoor temperature	- 2° C
Daily Average temperature	+ 30° C
Relative average temperature	40 %
Precipitation	0/20 mm/year
Design wind speed (Gust)	140 Km/h
Design wind speed (Sustained)	100 Km/h

Prevalent wind direction	NNW - SSE axis
Average lighting hours per day	13 h
Atmosphere pollutant proof	Sand, Dust, Hydrogen sulfide
Maximum soil temperature	+ 35° C
Earthquake	Zone 2
Maximum solar radiation	1000 W/m <sup>2</sup>
Exposed bare metal	+ 75° C



## LER Features:

Cables for Fire & Gas System are fire resistant type, red colour, IEC codes with the following insulating type:

- ✓ 450/750 V cables - high-performance fire-resistant silicone rubber.
- ✓ 0.6/1.0 kV cables - mica/glass fire resistant tape covered by extruded cross-linked XLPE (cross-linked polyethylene) compound.

## Ventilation and Cooling System

Minimum external temperature	0°C
Maximum external temperature	+ 55°C
Internal temperature	+25°C
Internal humidity	30/40%
Internal dissipation of electrical equipment	20/25kW
Protection degree	IP55

## Paint details

Sand blasting SA2.5	---
Epoxy primer	75 µm
Intermediate paint	200 µm
Polyurethane topcoat	50 µm
Total thickness	325 µm
Colour	White - RAL 9010

