



Underground Shelter



Required Patent

Solution to house equipment reducing visual impact.



Airtight shelter, underground, self elevator and ventilation system for deployment in compact sites next to public roads, sidewalks and squares, without requiring large investments and floor area of demand. It has ergonomic working condition due its elevator system for easy maintenance of the subsystems. The whole system is protected by sturdy mechanical cover resistant to sporadic traffic and burglary. Under this first cover, one more hermetic and independent cover isolates the shelter under any local flood.

Main Features

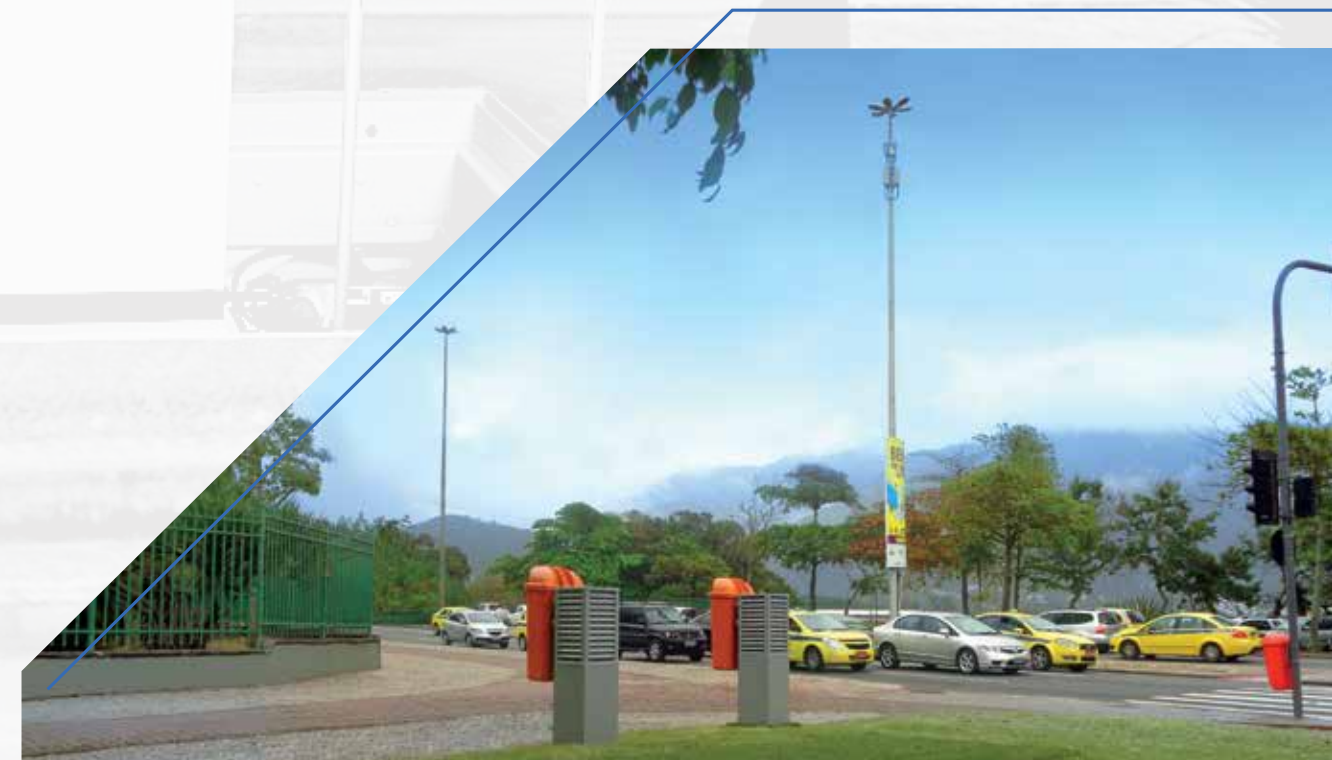
- Easy and fast assembly
- Small installation area
- Reducing the visual impact
- Ergonomic operation (NR17)
- Secure against unauthorized access with use of coded screws and lock Mul-T-Lock
- Independent battery cabinet protected with coded screws and door open alarm
- Versatile space for different technologies and manufacturers
- Autonomy of RBS in DC up to 4h
- Terminal strip to express alarm (dry contact)
- Waterproof and weather resistant (IP X8S - NBR 60529) – (1 water column meter during 5 hours over the lid closed)
- Cable passing by Roxtec modules
- Ventilation system with 10 ° C temperature differential
- High-efficiency filtration system (En1822) – Gore type
- Kit for signaling during maintenance
- Emergency opening system during power failure or electrical failure

Optional

- Programmable logic controller (PLC)
- Remote monitoring by web
- Remote access authorization

Dimensional and capacity	
External dimensions	L-3,16+1,0 x W-1,41 x H-2,64 [m]
RRUs	12 unid.
Rack size	30 Us
Total gross weight	3.800 kg
Power	
AC power	220 V - 1P/2P
General breaker	63 A
AC max. power	17,6 kVA
CC availability power	3.400 W
Autonomy	4 hours

Cooling system	
Max. Δt outside/inside	10 °
Maximum dissipation	3.100 W
Protections	
Resistance to light traffic on the cover	1.600 kg/m ²
Resistance to hydrostatic pressure	3.500 kg/m ²
Degree of protection NBR IEC 60529	IP X8S 1 mca for 5h





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