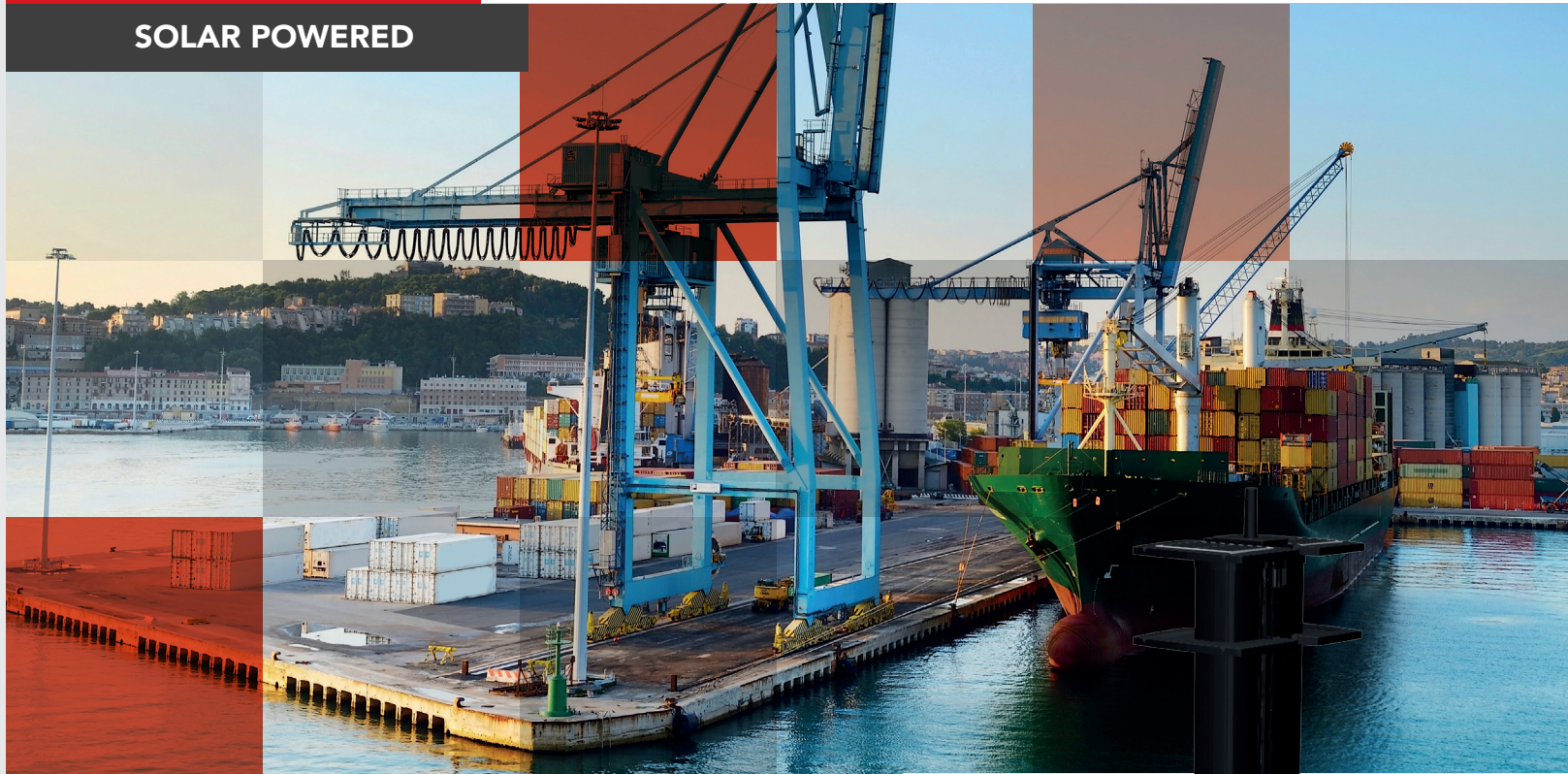


ACTIVE INFRARED

SOLAR POWERED

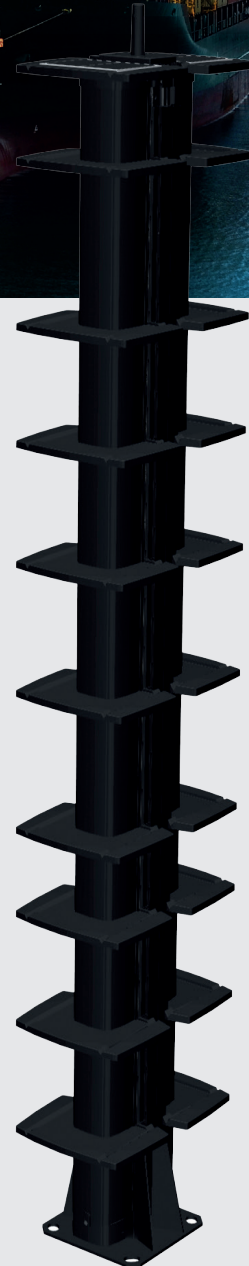


SOLARIS

HIGH PERFORMANCE WIRELESS
ACTIVE INFRARED BARRIER

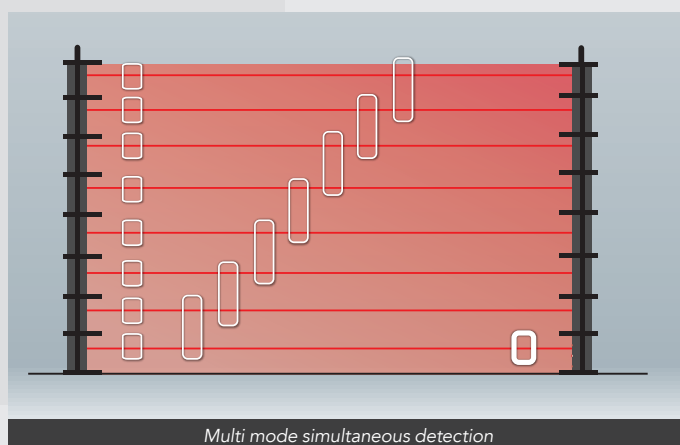
PERFORMANCE FEATURES

- **High reliability** of infrared
- **100% Stand-alone barrier:**
easy to use:
 - solar energy and battery:
 - no civil engineering**
 - integrated radio: **no cabling**
- **Secured radio communication**
- **Solar Energy**
- **MAXIBUS Universal compatible Solar Energy:** VMS integration with VMS



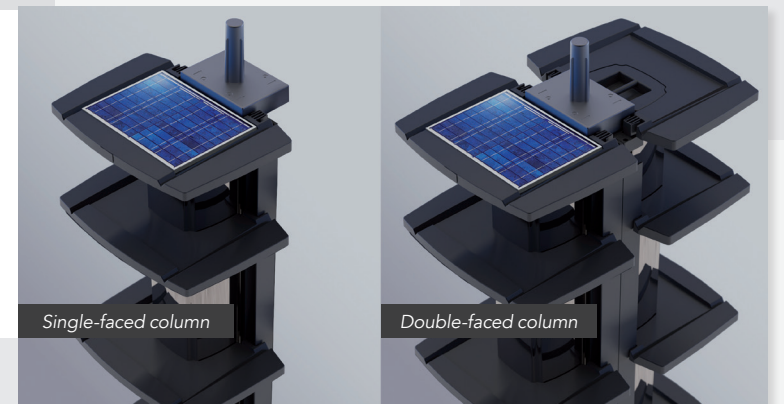
HIGHLY RELIABLE INFRARED

- **33 years' experience** in infrared technology
- **Intruder size filtering using several simultaneous detection modes:**
Standard modes, single detection, bottom beam mono-detection and dual-detection
- **Intruder speed filtering: alarm timing**
- Combination of the two filters: **reduction in number of unwanted alarms**
- **Autonomous barrier with a 100 m infrared range:** all-weather operation ensured by **anti-condensation and anti-frost caps** that (mechanically) prevent condensation and frost from building up on the column housing



SOLAR ENERGY

- **Solar panel** with no specific orientation required
- **2 months** of battery **autonomy** in complete darkness before the low-battery alarm is triggered
- **Tampered** solar panels and integrated anti-support cap

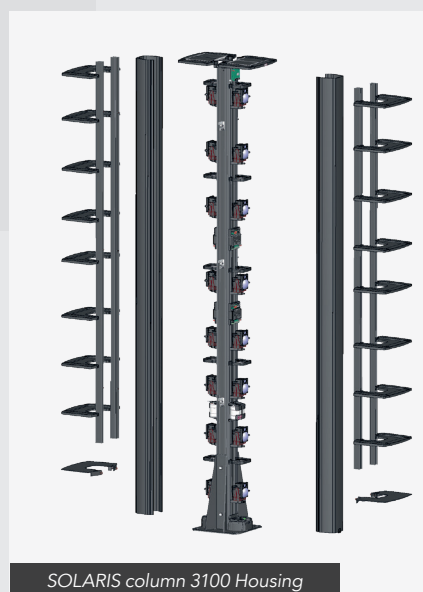


100% AUTONOMOUS

- **No civil engineering:** no cables
- Powered by **solar energy and battery**
- **Secured radio communication**

SECURED RADIO COMMUNICATION

- **Radio natively embedded** in the column
- **256-bit AES encrypted radio network:** high data security
- **Meshed radio network** that guarantees a robust installation
- **Integrity and security of the site:** permanent control of the presence of each column in the network (watchdog function)
- **Radio range:** 300 m direct line of sight range



MAXIBUS UNIVERSAL COMPATIBLE

OPTIMISED ALARM MANAGEMENT...

- **Centralisation of all system alarms** to a single point
- **Remote access to products:** configuration and maintenance
- **Embedded** web server
- **Time and date stamped history** of alarm events

...DESIGNED FOR SIMPLIFIED INTEGRATION ON ALL YOUR SITES

- **Integration with VMS**
- **Easy integration:** API available
- **Secure** data transmission: **802.1X**, TLS...
- **Various** alarm transmission **protocols:** ModBus, API
- **Dry contact** outputs: up to 136 relays

TECHNICAL CHARACTERISTICS

	SOLARIS COLUMNS		
Housing	3100		
Column heights	2 m	2.5 m	3 m
Maximum outdoor IR range in all weather conditions	100 m		
Maximum number of cells per direction	Up to 10 cells		
Detection mode	Multiplexing with optical synchronization: Mono-detection / Bottom beam mono-detection / Dual-detection		
Power supply	Solar panel and integrated battery in each column		
Alarm information	Intrusion / Disqualification / Tamper / Anti-climbing cap / Low default battery / Loss of radio link		
Alarm transmission	Dynamic meshed radio network to radio coordinator		
Data encryption	AES 256-bit		
Alignment assistance tools	Audio and visual signals on all columns		
Operating temperature	From -40°C to +70°C		
Electromagnetic compatible	Compliant with European standards (CE label)		

	RADIO COORDINATOR		
Radio range	300 m		
Transmission of alarms	RS485 compatible with MAXIBUS Universal		
Radio frequency	Bandwidth 868MHz, 5 selectable channels		
Power supply	12 Vdc		
Operating temperature	From -40°C to +70°C		

	MAXIBUS UNIVERSAL HUB		
Configuration tools	Embedded web server		
Alarm outlets	From 8 to 136 dry contacts / Modbus / PLC outputs		
4 communication ports	Can handle 4 radio networks simultaneously (4 radio coordinators), i.e. 96 SOLARIS columns (4 x 24 columns)		
Power supply	12 Vdc		
Operating temperature	From 0°C to +55°C		
Security	Compatible networks 802.1X and TLS		