



TELEMANAGEMENT SYSTEM

WATER SAVINGS

EFFICIENCY & SUSTAINABILITY

2024



LANDSCAPE

Irrigation and water consumption telemanagement system: **over 40% water savings**

WASTE COLLECTION

Waste containers level monitoring: reduction of vehicle usage and fuel consumption, no overflowing waste and **resources optimization for efficient collections**

MAINTENANCE

Centralizing and digitalizing in field maintenance: monitoring all the activities that are happening at each workstation and providing information and analytics

SUSTAINABLE SOLUTIONS

for cities today and for the future

PRIVATE SECTOR



HOTELS, SPORTS & RESIDENTIAL AREAS

Irrigation controllers
Gardens, golf courses,
football and equestrian fields...

Water meters
Swimming pools, showers...
with leakage detection and
real time consumption data

Lighting controllers
Tourist resorts, sports courts
and residential areas

Maintenance monitoring devices
Swimming pools and other facilities



AGRICULTURE

**Irrigation and water consumption
telemanagement**

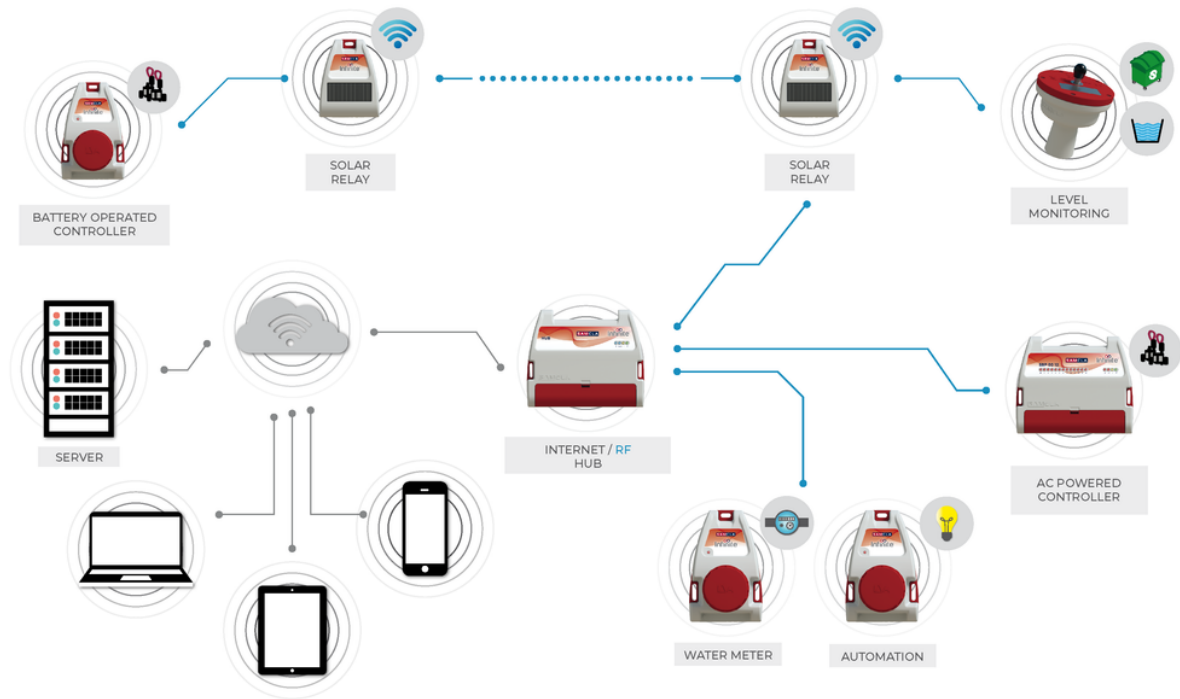
**Rain, wind, soil moisture, temperature...
sensors**

**Greenhouses, crops and machinery
maintenance monitoring**



INNOVATIVE SOLUTIONS
for savings and efficiency





- Real-time operation
- Secure communications
- Permanent connection between HUB and Server
- Unlimited daily connections
- HUB Internet connection: WI-FI, ETHERNET, 4G
- Unlimited number of devices per HUB: relays, controllers and sensors
- Up to 6 chained relays
- 8 km range in open area

THE RF NETWORK REMAINS 100% OPERATIONAL

Even if the Internet connection is disrupted

TELEMANAGEMENT PLATFORM

Infinite

SAMCLA SMART PLATFORM (SSP)



- Easy and user friendly
- Fully customizable settings
- Multi-user, multi-language and multi-application
- Equipment management: location, programming, manual and automatic activations...
- Historical data and detailed charts
- Virtual controllers: associate as many controllers as needed
- User activities log files
- Alarms and warnings management
- Easy connection to third parties platforms
- SMART CITY compliance
- SAMCLA APP available for in field operation

MORE VISUAL, MORE DYNAMIC, MORE DIDACTIC

Many more features



COMPACT DESIGN

They adapt to any location





EASY TO INSTALL

No works or wiring

WITHOUT MAINTENANCE

More than 2 years battery lifetime

POWER SUPPLY:

-  AC powered
-  Battery operated
-  Built-in solar panel
-  Not needed

COMMUNICATION:

-  RF
-  Wi-Fi
-  Ethernet
-  3G, 4G...
-  Bluetooth
-  NFC

NETWORK DEVICES

HUB's

HUB

Wi-Fi / Ethernet / 3G, 4G... connection

Bluetooth connection for local mode operation

Unlimited controllers and sensors per HUB

Power supply included



HUB LITE

Wi-Fi connection

Bluetooth connection for local mode operation

Up to 26 devices per HUB

Power supply included



RELAYS

REP

Built-in solar panel operated

No maintenance required

- Up to 6 RF relays between the HUB and any SAMCLA terminal equipment:
RF Range up to 8km
- Unlimited number of SAMCLA terminal equipments per REP
- **Full recharging range:** exhausted batteries can be recharged by the solar panel
- Ultra low sleep mode power consumption



- Internet or Bluetooth management mode
- **Up to 8 irrigation programs**
- Up to 4 resident programs
- Up to 6 start times per program
- Max. station run time: 23h30min
- Up to 4 stations watering simultaneously
- Up to 5 wireless cut-off sensors per station
- **Water Budget** function: 0% - 200%
- ON / OFF / PAUSE modes
- **Unlimited controllers** association (chaining)



IRRIGATION CONTROLLERS

AC POWERED

SBP 00 04/08/12

4 / 8 / 12 stations

24VAC solenoids

Master valve / Pump

Power supply included



AC POWERED WITH WATER METER

SBP 02 04/10

4 / 10 stations

24VAC solenoids

Master valve / Pump

Water meter

Power supply included



IRRIGATION CONTROLLERS

BATTERY OPERATED

SBP 01 01/02/04/06 L

1 / 2 / 4 / 6 stations

9 VDC Latch solenoids



BATTERY OPERATED WITH WATER METER

SBP 02 01/02/04L

1 / 2 / 4 stations

9 VDC Latch solenoids

Water meter



SOLAR PANEL OPERATED

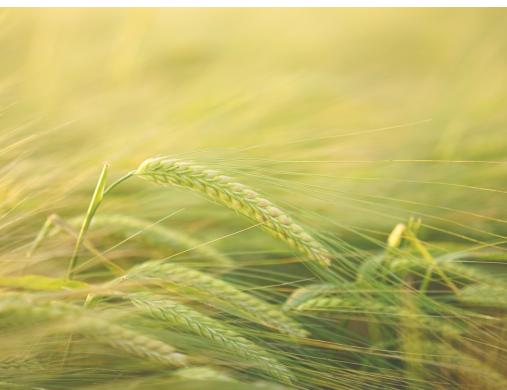
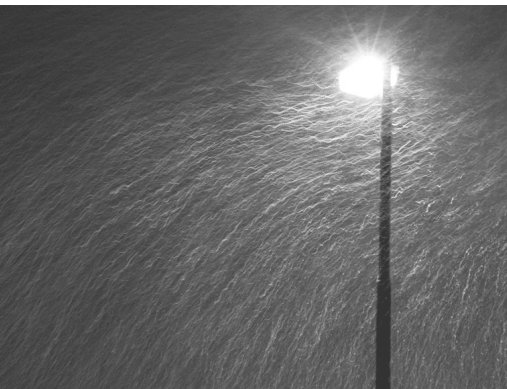
SBP 01 01 S

1 station

9 VDC Latch solenoids



- **ON/OFF or analog (4-20mA) sensor**
- Automatic activation or cut-off
- ON/OFF operations: automatisms, greenhouses, heaters, lighting, awnings, swimming pools...
- Instant reading: remote or Bluetooth
- Historical data
- Real time alarms and warnings
- Easy installation: no calibration needed
- Safety during adverse weather conditions
- **Unlimited** number of **sensors** allowed



SENSORS

GENERAL PURPOSE SOLAR PANEL OPERATED

SBS 01 00 S

Built-in solar panel operated

Intended for any ON/OFF dry contact output sensor



GENERAL PURPOSE BATTERY OPERATED

SBS 01 00 B

Battery operated (2 x 1,5V AA)

Intended for any ON/OFF dry contact output sensor



SOIL MOISTURE SOLAR PANEL OPERATED

SBH 01 00 S

Built-in solar panel operated

Watermark-Irrrometer soil moisture probe included



SOIL MOISTURE BATTERY OPERATED

SBH 01 00 B

Battery operated (2 x 1,5V AA)

Watermark-Irrrometer soil moisture probe included



SENSORS

GENERAL PURPOSE AC POWERED

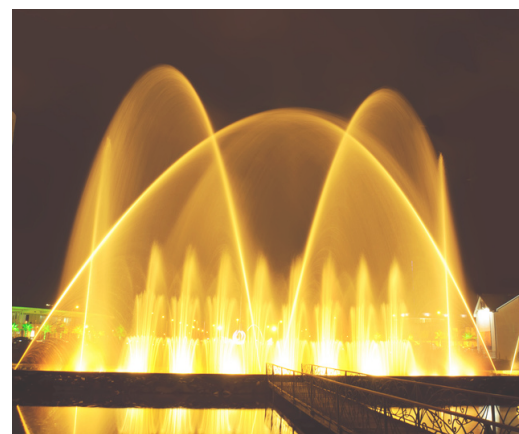
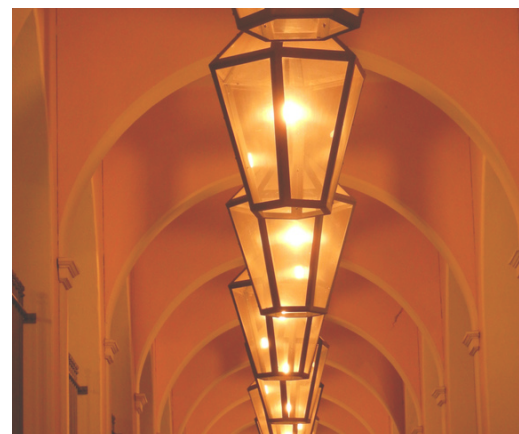
SBA 01 00

Any 4-20mA analog sensor allowed

Power supply included



New
2024



SENSORS

LEVEL MONITORING

SBD

Ultrasound proximity sensor battery operated
Ultra low sleep mode power consumption
Configurable reading time period

- **Waste:** filling level monitoring
- **Other tanks:** water and other solid and liquid tanks
- **Efficient collections** optimizing resources and increasing transparency



MAINTENANCE MONITORING

TAG

3cm diameter tag device to identify maintenance targets
NFC technology
No batteries or maintenance
Water resistant

- **Urban maintenance:** urban furniture, monuments, fountains, hydrants, playgrounds, trees...
- **Private companies maintenance:** hotels and sports facilities, amusement parks, offices, buildings...
- **Agriculture:** greenhouses, harvests, tractors and machinery, work shifts...
- **Easy installation** on any structure or physical support
- **Custom** forms, users, permissions...
- **Automatic** data **uploading** to the cloud
- Time and paper **savings**





WATER SAVINGS OVER 40%

Scheduled and controlled consumption according to water needs

TIME & FUEL SAVINGS

Reduction of vehicle usage managing all controllers from any Internet device

ENVIRONMENT CARE

Resources optimisation for a more sustainable world



More efficient & more sustainable
SOLUTIONS



2024

