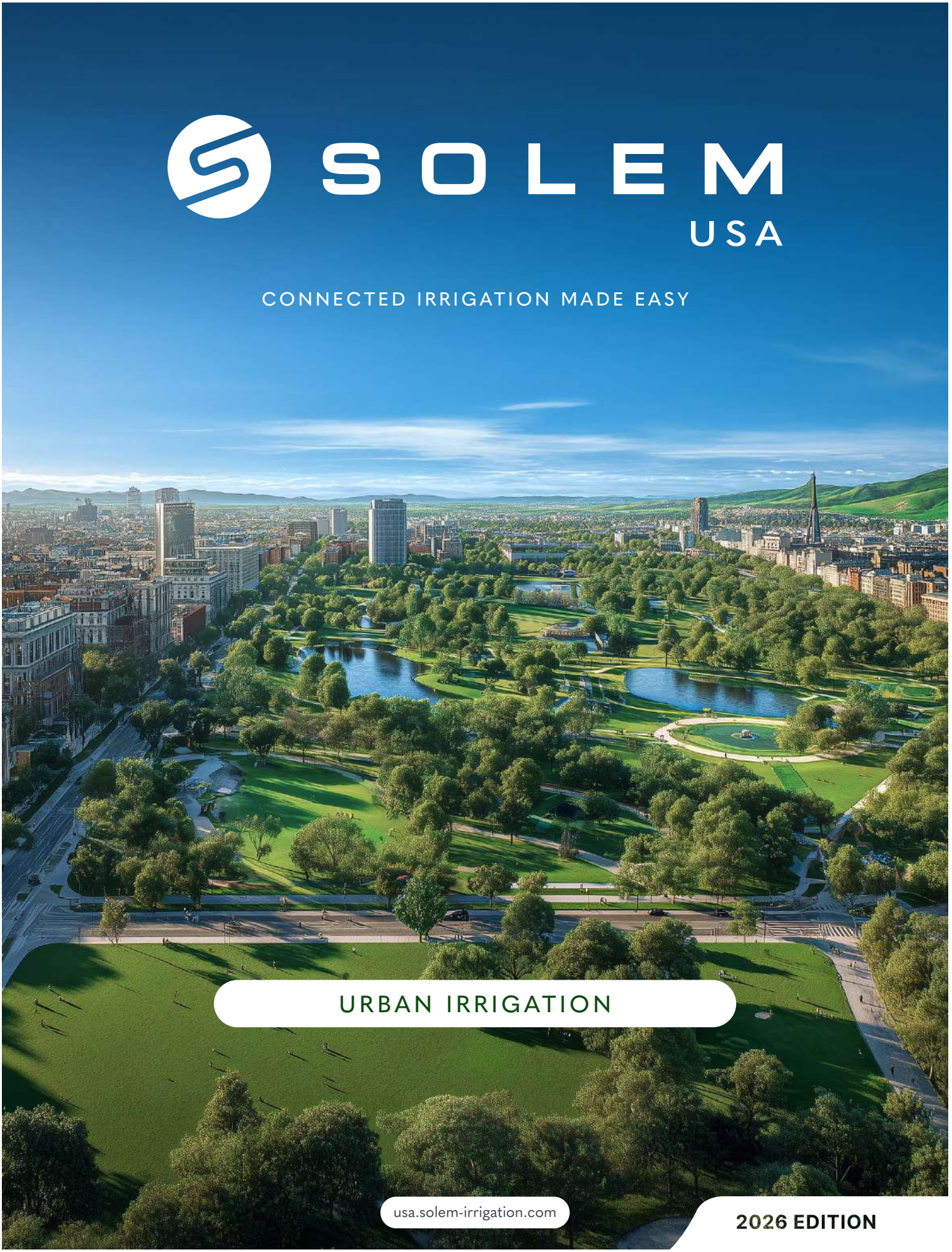
SOLEM
USA

CONNECTED IRRIGATION MADE EASY



URBAN IRRIGATION

usa.solem-irrigation.com

2026 EDITION

SOLEM
Performance

Simplicity, Autonomy, For Greater Performance.

New 9V products from p.46

SOLEM USA

Smart Urban Irrigation, Easy & Scalable

to meet the challenges facing towns & cities now and in the future.

MySOLEM CITY

Dedicated platform

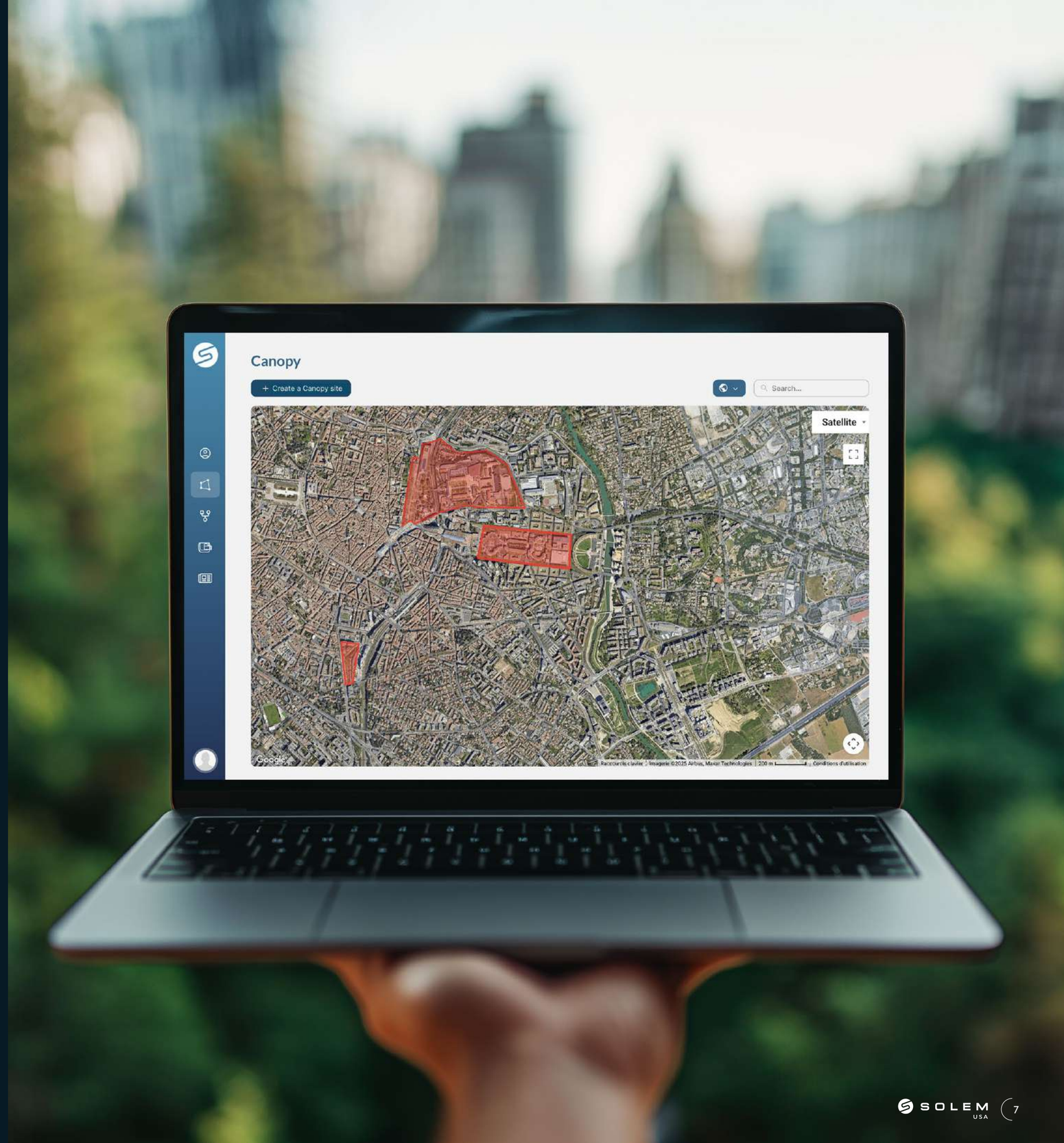
for your town or city

Customized user permissions management

Transfer your data to your town/city's hypervisor using a **dedicated API**

Platform & application optimized **to manage large-scale installations**

Access restricted solely to municipal staff



MySOLEM CITY

SCAN HERE
TO LEARN ABOUT
CANOPY

FEATURES

MySOLEM Canopy

Large-scale irrigation

Geolocate your irrigation modules

All your data at a glance
via your dashboard

Assess the impact and development of your irrigation using the satellite view

Give full or partial access to your staff depending on your sites

Real-time monitoring and access to data logs
for your irrigation

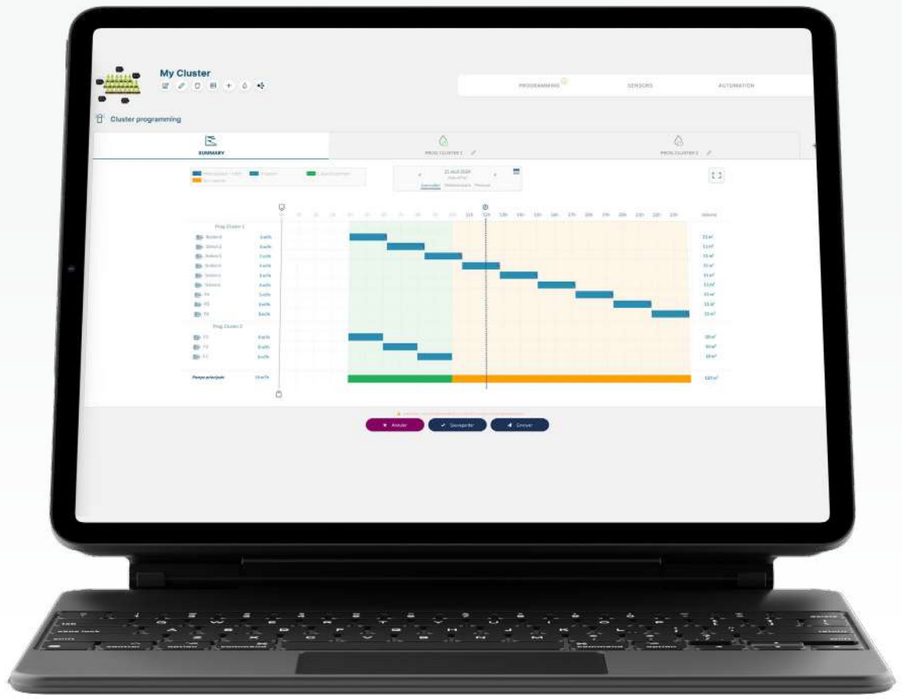
Check the effectiveness of your irrigation via **supervision** of your water system

Mobile Canopy

View your sites on the **MySOLEM app**, and work with your teams quickly and effortlessly.

All Your Schedules In One Click

With MySOLEM Cluster Programming



Schedule an unlimited number of stations in just a few minutes

Organize and group your stations together quickly

Automate and secure your water system

Optimize your scheduling according to your pump's capacity

View your theoretical **daily water use**

MySOLEM intelligence

Use sensors to automate system actions.

MySOLEM
4,6 ★★★★★

Download on the App Store
GET IT ON Google Play

* Client testimonials. Rating based on more than 4,500 reviews and comments

“A simple and effective interface”

NEW

Data security

Keep your modules and schedules secure via encrypted Bluetooth communications.

Easy installation

Install your product in a few minutes using close-range set-up: just move the phone nearby, and it’s connected.

Eco Mode

Maximize the life of the 9V battery by switching on Eco Mode in winter and during the irrigation season.

SOLEM USA

SUMMARY

LoRa RANGE

Gateways

20 LR-MB — Indoor WiFi Gateway

21 LR-BST-REACT — 4G Gateway

Controllers

22 RELAY — Pump Control Box

23 LR-PM — Battery Operated, for Master Valve or Pump

25 LR-IS — AC-Powered

26 LR-IP — Battery Operated

27 LR-IP-ECO — Battery-Operated, with embedded Flowmeter, Solar Panel Option

Smart sensors

30 LR-PR — Battery Operated, Smart Pressure Sensor Module

32 LR-MS — Battery-Operated Sensor Module

33 LR-MS-ECO — Battery-Operated Solar Sensor Module, Turbine Option

35 LR-MS-SDI12 — Battery-Operated Sensor Module

36 Sensors — Individual or in a Kit

WiFi RANGE

42 SMART-IS — AC-Powered Indoor Controller

43 VILLA — AC-Powered Outdoor Controller with Display

Bluetooth RANGE

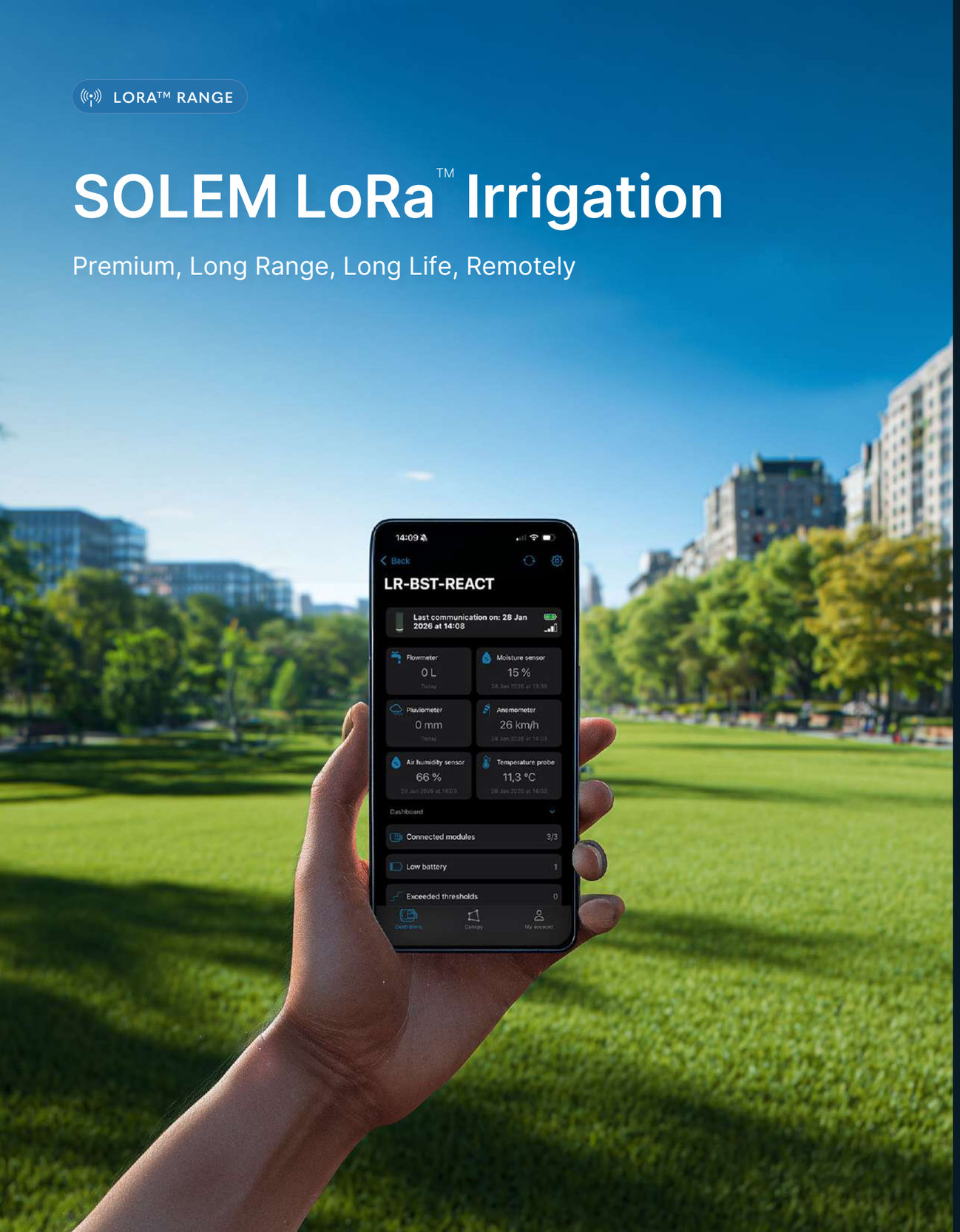
46 WooBee — Battery-Operated Controller with Display — NEW

47 BL-IP — Battery-Operated Controller — NEW

LORA™ RANGE

SOLEM LoRa™ Irrigation

Premium, Long Range, Long Life, Remotely



LORA™ RANGE

INSTALLATION **IN 3 EASY STEPS**

1

Download the free app

Install your products in a few minutes,
set up your controls on-site or remotely.

mySOLEM

2

Connect your gateway

Install your Wi-Fi or 4G gateway to control
your modules remotely.

3

Connect your modules to your gateway

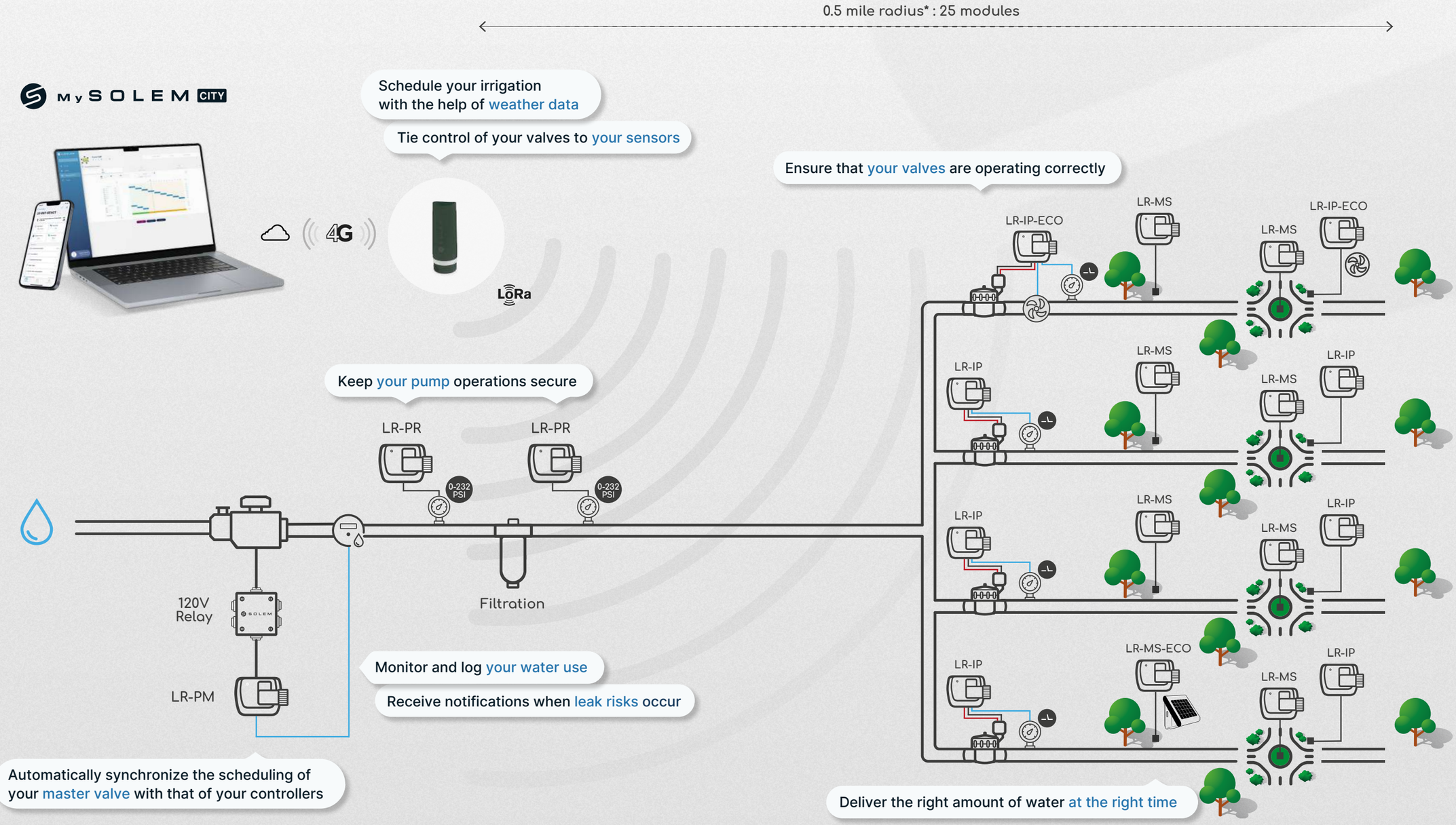
Pair your controllers and sensor modules to your gateway in a few minutes. And you're all set.

LORA™ RANGE

SOLEM USA

Reliable & wireless installation

Manage & automate your entire installation remotely.



LR-MB

WiFi Indoor Gateway

Control your modules remotely

The LR-MB is an AC-powered indoor gateway that connects directly to a Wi-Fi router. Depending on the version, it can remotely manage from 10 to 30 modules over LoRa™ radio. Send your schedules and settings easily, and receive notifications promptly, wherever you are.

Module distance	**0.5 mile radius***	Connection	LoRa Bluetooth WiFi
Modules	**10/30**	Control	**Remote***
Power supply	120 V - 60 Hz		

Reliable, free connection
using an existing Wi-Fi network

- Quick & easy to install
- Remote control
- Reliable connection[1]
- Extendable antenna

Site Management

DOCUMENTS

* Range up to 0.5 mile radius. Range varies depending on the installation configuration.
[1]Real-time connection

LR-BST-REACT

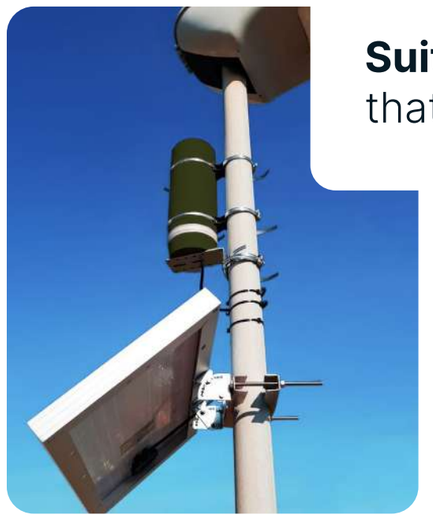
4G Gateway

Control your modules remotely

The LR-BST-REACT is an outdoor 4G gateway that communicates through its SIM card. It is able to remotely manage up to 25 modules. It is ideal for isolated green spaces with no Wi-Fi. Plugged into the AC or fully self-sufficient when connected directly to a solar panel, it is ideal for spaces that have no power supply. Send your schedules and settings easily, and receive notifications promptly, wherever you are.

Module distance	**0.5 mile radius***	Connection	4G LoRa Bluetooth
Modules	up to **25**	Control	**Remote***
Fixation		Power supply	

Suitable for spaces
that have no AC power



- Quick & easy to install
- Remote control
- Reliable connection
- Solar power possible
- Real-time connection[1]

Site Management

DOCUMENTS

* Range up to 0.5 mile radius. Range varies depending on the installation configuration.
[1]Synchronizes with server every 15 minutes

RELAY

Relay

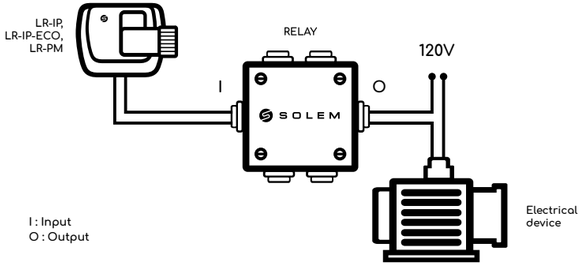
Control Box for a Controller
(Battery Operated)

Command relays are used to control all types of electrical device (e.g. a pump) from a 9V LoRa™ or Bluetooth® controller. The irrigation command from the controller activates the opening or closing of the control relay.

Compatibility	Any type of device (up to 120V)	Wired connection	
Input/Output	1	Max. length wired connection	For input 30 m

Controlled remotely

Controlled remotely by means of a 9V LoRa™ and Bluetooth® controller (itself paired with an LR-MB-30 or LR-BST-REACT access point).



I : Input
O : Output

DOCUMENTS

CONTROLLERS

LR-PM

Control your master valve or pump automatically

The LR-PM is a waterproof, battery-operated Bluetooth® and LoRa™ irrigation controller, able to control a master valve or a pump. Paired with a Wi-Fi or 4G gateway, it automatically synchronizes all irrigation schedules for modules connected to the same water network (LR-IP and LR-IS compatible). View all of your schedules at a glance and optimize the pump flow rate based on the schedules for your valves.

Compatibility		Connection	LoRa Bluetooth
Station	1	Control	Remote*
Input: 1	or **	Power supply	9V

Keep your water system secure

- IP68 rating
- Manage your water use
- Pump on-off control

p.10 Cluster Programming
p.9 Supervision
p.13 Eco Mode

DOCUMENTS

* Range up to 0.5 mile radius. Range varies depending on the installation configuration.
**Pressure Switch see p.39.

CONTROLLERS

LR-IS

Irrigation Controller

LoRa™, AC-Powered

The LR-IS is an AC-powered, Bluetooth® and LoRa™ irrigation controller able to sequentially schedule 24V solenoid valves. It is ideal for installations located in equipment rooms. Paired with a Wi-Fi or 4G gateway, it can be operated remotely from wherever you are.

Compatibility	24V	Connection	LoRa Bluetooth®
Stations	**2/4/6/9/12**	Control	**Remote**
Input: 2	or or	Power supply	120 V - 60 Hz

Ideal to connect a 120V installation

- Weather-based
- Control over water use
- Check the valve's status

p.10 Cluster Programming

p.9 Supervision

Auto. Waterbudget

DOCUMENTS

* Range up to 0.5 mile radius. Range varies depending on the installation configuration.

LR-IP

Irrigation Controller

LoRa™, Battery Operated

The LR-IP is a waterproof, battery-operated Bluetooth® and LoRa™ irrigation controller, able to sequentially schedule 9V solenoid valves. It is ideal for use with undersoil installations, as it eliminates the need to open manholes! Paired with a Wi-Fi or 4G gateway, it can be operated remotely from wherever you are. Linked to a water meter, it will monitor your water consumption, and send real-time notifications in the event of leaks or under- or over-delivery.

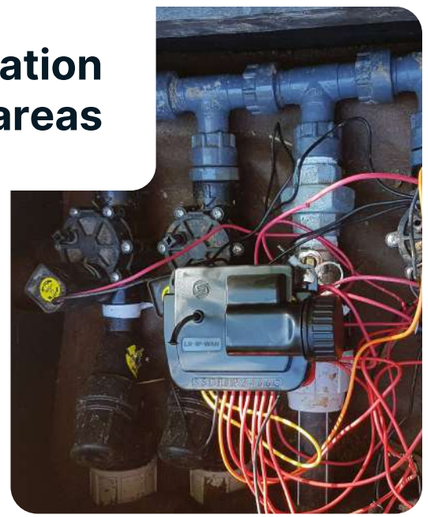
Compatibility	9V	Connection	LoRa, Bluetooth, NFC
Stations	1/2/4/6	Control	Remote
Input: 1	or or	Power supply	9V

p.10 Cluster Programming
p.9 Supervision
Auto. Waterbudget
p.13 Eco Mode

DOCUMENTS

Ideal for irrigation of large areas

- Quick & easy to install
- Sturdy & waterproof
- Weather-based
- Control over water use
- Pressure detection

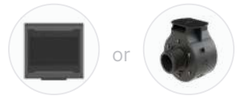


* Range up to 0.5 mile radius. Range varies depending on the installation configuration.

LR-IP-ECO

Irrigation Controller with embedded Flowmeter

LoRa™ - Solar Panel Option



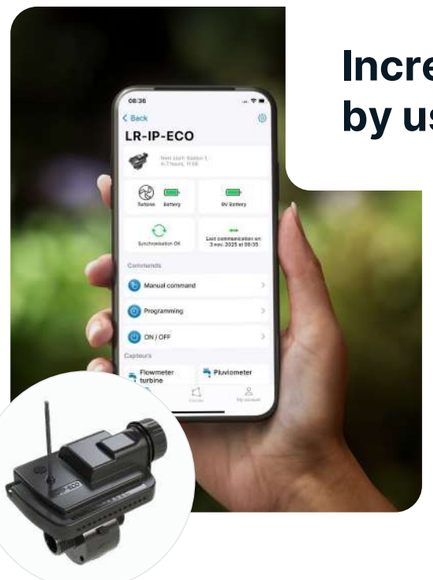
The LR-IP-ECO is a waterproof, battery-powered Bluetooth® and LoRa™ irrigation controller, with the same features as the LR-IP. It has a built-in flow meter that measures your water use, checks your flow, and identifies leak risks. The turbine or solar panel recharge the module's built-in battery, tripling the lifespan of the 9V battery.

Compatibility	9V	Connection	LoRa, Bluetooth
Station	1/2/4/6	Control	Remote
Input: 1	or	Power supply	or + 9V

p.10 Cluster Programming
p.9 Supervision
Auto. Waterbudget
p.13 Eco Mode

DOCUMENTS

Increases its battery life by using renewable energy



- Rechargeable battery
- Compact solution
- Flexible installation turbine or solar panel
- Weather-based
- Control over water use
- Pressure detection

* Range up to 0.5 mile radius. Range varies depending on the installation configuration.

Connect All Your Sensors

Optimize the irrigation of your green spaces.

SENSORS

LR-PR

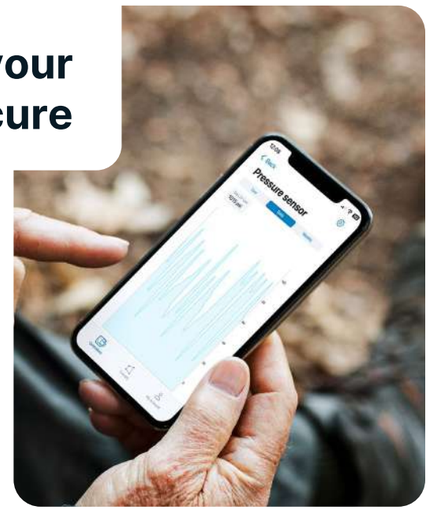
Smart Pressure Sensor

The LR-PR is a unit comprising a waterproof, Bluetooth®/LoRa™ data acquisition module equipped with its own pressure sensor. This pressure gauge kit uploads pressure measurements **between 0 and 232 psi** to the MySOLEM platform or app, so you can monitor the pressure of your installation. 0nce you have set the trigger thresholds, the MySOLEM platform will notify you when they've been exceeded, so you can protect your equipment.

Compatibility	Pressure sensor 0-232 PSI	Connection	LoRa Bluetooth
Input	1	Control	**Remote***
		Power supply	9V

Keeping your water system secure

- Pressure control
- Configurable notification thresholds
- Data extraction options



p.9 Supervision

p.13 Eco Mode

DOCUMENTS

* The warranty only covers the casing

SENSORS

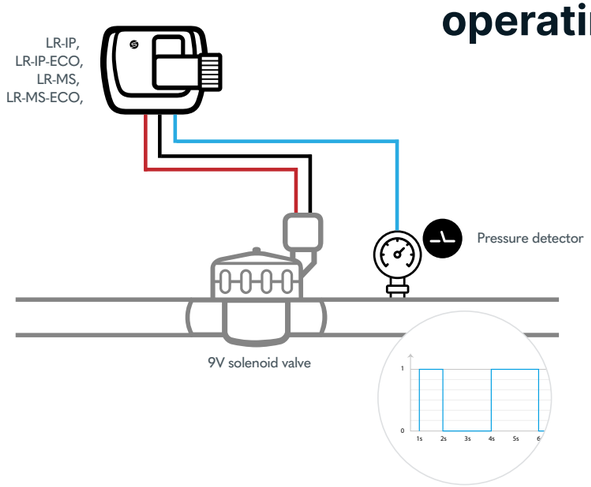
Pressure Switch

Pressure Detector

The Pressure Switch is the perfect solution to ensure that your solenoid valves are operating correctly according to your controllers' settings. Ensure that your solenoid valves have been activated correctly and, if a fault occurs, receive a notification on your cell phone or by e-mail. It also helps save time analyzing technical issues affecting the water system.

Compatibility	Connexion
✓ VILLA ✓ SMART-IS ✓ LR-IP ✓ LR-IP-ECO ✓ LR-IS ✓ LR-MS ✓ LR-MS-ECO	Wired

Check that valves are operating correctly



- Check the valve's status
- Notifications in the event of issues

DOCUMENTS

LR-MS

Sensor Module

LoRa™, Battery Operated

The LR-MS is a waterproof, battery-operated, sensor data acquisition module. This module can connect to many types of sensor, including weather sensors (rain, air humidity, wind speed and temperature), water meters, soil moisture sensors, soil tensiometers, various level detectors, and more. Paired with a Wi-Fi or 4G gateway, you can access your data from wherever you are. You can view and extract your data from the MySOLEM.com platform, and even automate your irrigation based on thresholds that you set for each sensor.

Compatibility		Connection	LoRa Bluetooth
Sensor inputs	1/4	Control	Remote*
Sensor distance	100 ft	Power supply	9V

Switch to precision irrigation

- Sturdy & waterproof
- Various sensors
- Configurable notification thresholds
- Data extraction options

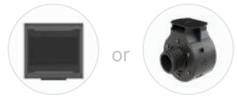
p.9 Supervision
p.13 Eco Mode
DOCUMENTS

* Range up to 0.5 mile radius. Range varies depending on the installation configuration.

LR-MS-ECO

Solar Sensor Module

LoRa™ - Turbine Option



The LR-MS-ECO is a waterproof, battery-operated, LoRa™ sensor data acquisition module, with the same features as the LR-MS. It also incorporates a rechargeable battery powered by either a solar panel or a turbine installed on the water network to extend the life of the 9V battery. Paired with a Wi-Fi or 4G gateway, you can access your data from wherever you are.

Compatibility		Connection	LoRa Bluetooth
Sensor inputs	1/4	Control	Remote*
Sensor distance	100 ft	Power supply	9V or

Increases its battery life by using renewable energy

- Rechargeable battery
- Flexible installation turbine or solar panel
- Various sensors
- Configurable notification thresholds
- Data extraction options

p.9 Supervision
p.13 Eco Mode
DOCUMENTS

* Range up to 0.5 mile radius. Range varies depending on the installation configuration.

LR-MS-SDI12

Sensor Module

LoRa™, Battery Operated

The LR-MS-SDI12 is a waterproof, battery-operated, sensor data acquisition module, with the same features as the LR-MS. This module is compatible with various sensors operating using the SDI-12 protocol.

Compatibility	...	Connection	LoRa Bluetooth
Sensor inputs	**1**	Control	**Remote**
Sensor distance	**100 ft**	Power supply	9V

Fine-tune your irrigation using soil data

- Various sensors including **multi-level capacitive sensors**
- Configurable notification thresholds
- Data extraction options

p.9 Supervision

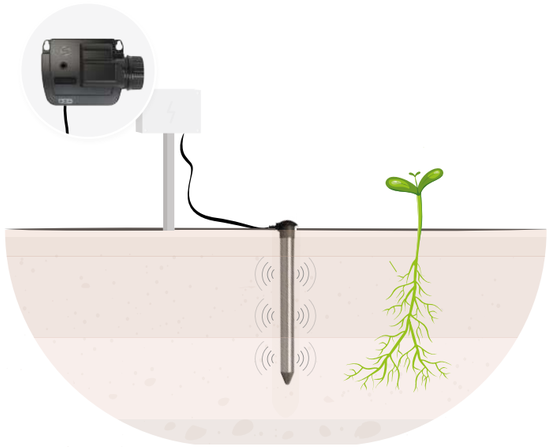
p.13 Eco Mode

DOCUMENTS

Moisture Sensors

Measure your soil's moisture
at various depths

Optimize the amount of water supplied to your green spaces by using moisture sensors: maintain optimum soil moisture levels by measuring soil or substrate moisture content through the positioning of your sensors (individual or multiple), and deliver the right amount of water at the right time.

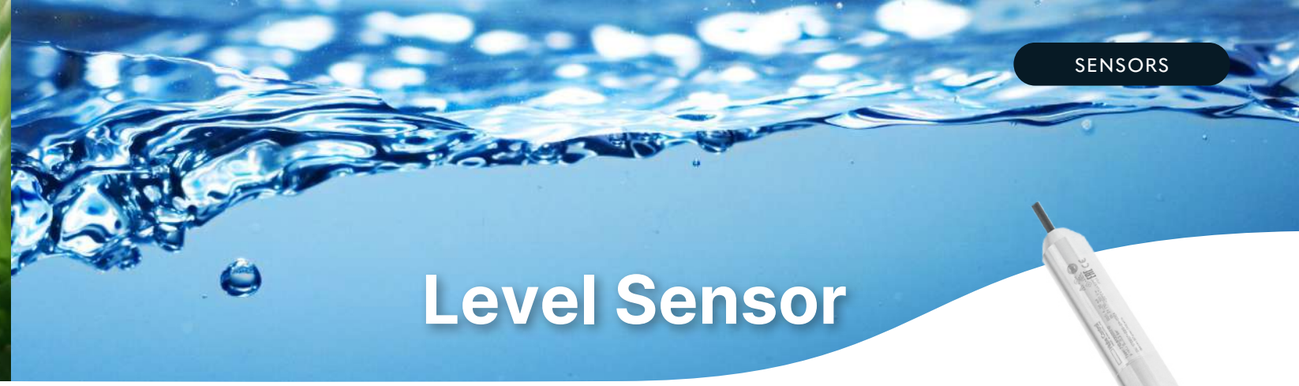


Accurately monitor your soil's moisture and temperature

Which sensor module do you need?

SENSORS		SENSOR MODULES				
		LR-MS1	LR-MS4	LR-MS1 ECO	LR-MS4 ECO	LR-MS SDI12
	HYDRASCOUT					•
	SENTEK					•
	SMT50	•	•	•	•	
	EC5	•	•	•	•	
	EC10HS	•	•	•	•	

DOCUMENTS



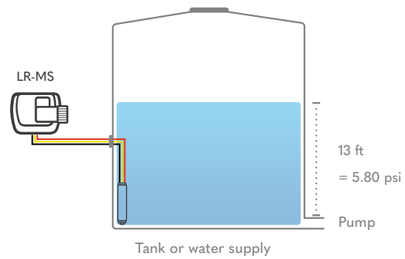
Level Sensor

Measure the water level
in your tanks

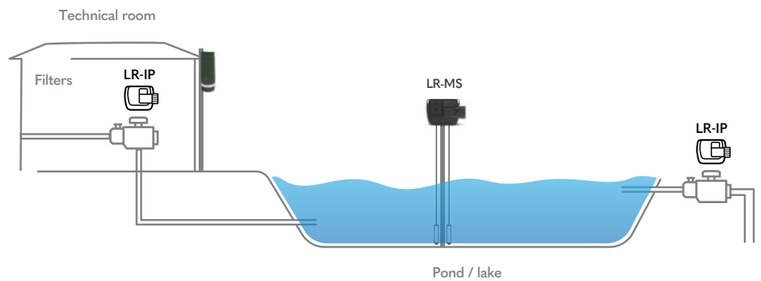
A level sensor can be used to measure all types of water storage. Paired with a sensor module, it will upload data and notify you when the upper and lower thresholds you have set are reached.

Automated tank filling

Connect a LoRa™ controller to your pump to **automate your tank filling**.



Automate your installation



DOCUMENTS

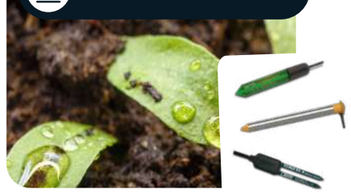
Smart Sensors

Customize the monitoring of your green spaces

Soil tensiometer

Watermark soil tensiometer

Moisture



Waterscout SM100 / Decagon EC-5 & EC-10 HS / Teros 10 & 12 moisture sensors
Hydrascout / Sentek capacitive sensors

Rainfall

Davis and Honde rain gauge

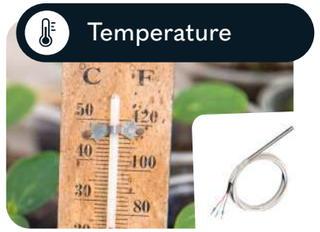
Wind speed

IED Electronics anemometer
ANEMO4403

Flow metering

Pulsed water meter

Temperature

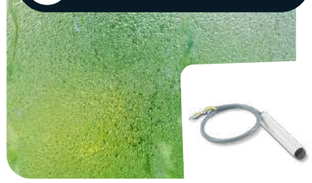


PT100 temperature sensor

Pressure

Huba Control / Wika pressure sensor

Hygrometry



HM 1500 LF

Level

Huba Control 712 level sensor

WATCH THE TUTORIAL

How to install a sensor with MySOLEM

Choosing your sensor module

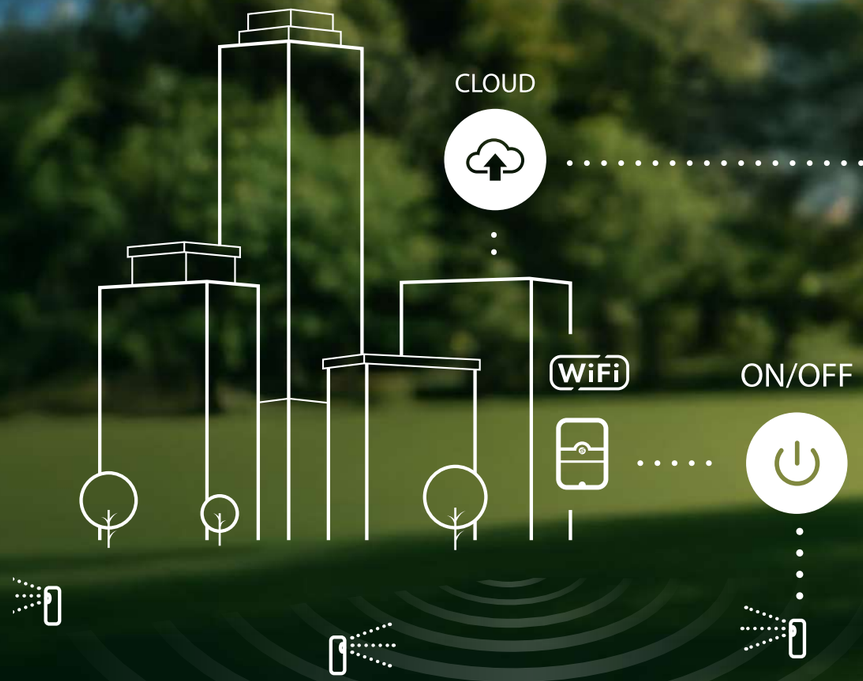
SENSORS	SENSOR MODULES					
	LR-MS1	LR-MS4	LR-MS1-ECO	LR-MS4 ECO	LR-MS-SDI12	LR-PR
Temperature		•		•		
Rainfall	•	•	•	•		
Wind speed	•	•	•	•		
Flow metering	•	•	•	•		
Moisture	•	•	•	•	•	
Soil tensiometer	•	•	•	•		
Pressure						•
Pressostat	•	•	•	•		
Hygrometry	•	•	•	•		
Water level	•	•	•	•		

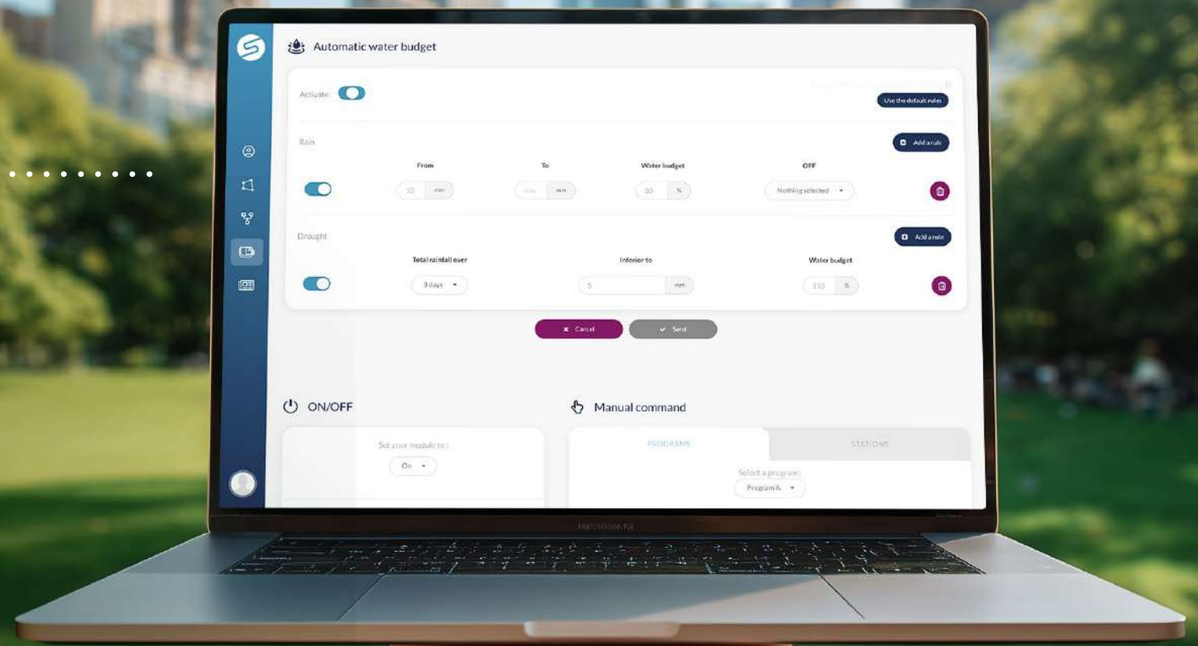
For more information, please contact our sales team.

sales@solem-irrigation.com

WIFI RANGE

Plug & Play WiFi Irrigation





CONTROLLERS

SMART-IS

Indoor Controller

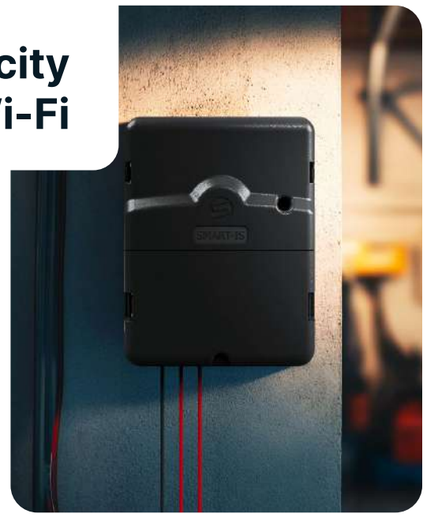
Wi-Fi, AC-Powered

The SMART-IS is an AC-powered, indoor, Bluetooth® irrigation controller that connects directly to a Wi-Fi router. It is able to sequentially control 24V solenoid valves. Paired to a water meter, it monitors your water and sends notifications in the event of leaks or under- or over-delivery.

Compatibility	24V	Connection	Wi-Fi Bluetooth®
Stations	**2/4/6/9/12**	Control	**Remote**
Input: 1	or or	Power supply	120 V - 60 Hz

Irrigation Simplicity Built-In Wi-Fi

- Weather-based
- Control over water use
- Pressure detection



p.10 Cluster Programming

p.9 Supervision

DOCUMENTS

CONTROLLERS

VILLA

Outdoor Controller

Wi-Fi, AC-Powered

The VILLA is an AC-powered, Bluetooth® irrigation controller, compatible with a Wi-Fi router. It has a large display, intuitive buttons, and a weatherproof protective cover. It is used to sequentially schedule 24V solenoid valves. Lever terminal blocks make it easy to install. Paired to a water meter, it monitors your water and sends notifications in the event of leaks or under- or over-delivery.

Compatibility	24V	Connection	Wi-Fi Bluetooth®
Stations	**4/6/9/12**	Control	**Remote**
Input: 2	or or	Power supply	120 V - 60 Hz

Indoor/ Outdoor Installation, Built-In Wi-Fi

- Easy to use
- Protective cover
- Easy to install & maintain
- Weather-based
- Control over water use
- Pressure detection

p.10 Cluster Programming

p.9 Supervision

DOCUMENTS

BLUETOOTH® RANGE

Easy & Connected Short-Range Irrigation

ON/OFF

CONTROLLERS

UP TO A 5-year BATTERY LIFE

NEW

WooBee

Irrigation Controller

Bluetooth®, Battery Operated, with Large Display

The WooBee is a waterproof, battery-operated, Bluetooth® irrigation controller, able to sequentially schedule 9V solenoid valves. It comes with a large display for ease of use. Its water meter input enables you to take action in the event of leaks, or over- or under-consumption.

Compatibility	9V	Connection	Bluetooth®
Stations	1/2/4/6	Control	On-site (within 33 ft)*
Input: 1	or	Power supply	1×9V or 4xAAA

Asynchronous mode

Auto. Waterbudget

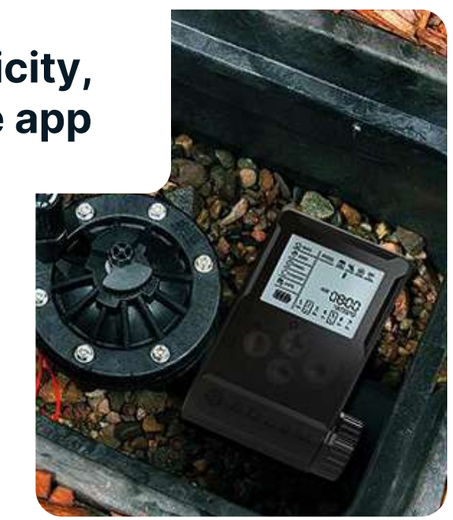
p.13

Eco Mode

DOCUMENTS

Simplicity, with or without the app

- Easy to use: app or buttons
- Waterproof
- Control over water use
- Leak detection



*33 ft range. Range varies depending on the installation configuration.

UP TO A 5-year BATTERY LIFE

CONTROLLERS

NEW

BL-IP

Irrigation Controller

Bluetooth®, Battery Operated

The BL-IP is a waterproof, battery-operated, Bluetooth® irrigation controller, able to sequentially schedule 9V solenoid valves. It is ideal for use with undersoil installations, as it eliminates the need to open manholes! Its water meter input enables you to take action in the event of leaks, or over- or under-consumption. By pairing the BL-IP to a rainfall sensor, the system automatically adjusts the irrigation cycles on the basis of the soil's actual need for water.

Compatibility	9V	Connection	Bluetooth® NFC
Stations	1/2/4/6	Control	On-site (within 33 ft)*
Input: 1	or	Power supply	9V

Asynchronous mode

Auto. Waterbudget

p.13

Eco Mode

DOCUMENTS

The best 9V controller of its generation

- Easy installation
- Sturdy & waterproof
- Control over water use
- Leak detection

*33 ft range. Range varies depending on the installation configuration.

High-quality products & services

SOLEM is committed to providing secure and effective services.

Application & platform

Free of charge, available 24/7* for remote management of all SOLEM products.

Scalable system

Capacity to support an unlimited number of products.

Data protection

Our servers are managed by SOLEM exclusively. SOLEM guarantees that your data is secured and will never be shared with third parties.

Data backup

Backups every 6 hours to limit the risk of data loss.

Technical support

Our experts are ready to listen to your needs and advise you about your watering plans.

3-year warranty

All SOLEM products (excluding accessories and spare parts) are guaranteed for 3 years.

Useful **Links**

MySOLEM
App

MySOLEM.com
Platform

solem-irrigation.com
Website

@SOLEMIrrigationUSA
YouTube channel

*Approx. 12 hours of maintenance per year.

COMING IN 2026...

@SOLEMIrrigationUSA

YouTube channel

Installation tutorials

MySOLEM tutorials

User testimonials

SUMMARY

ALL OUR PRODUCTS

		Application					Communication						Power Supply				
		Internet gateway	Irrigation	Water meter	Pressure	Pressostat	Sensors	Bluetooth®	Wi-Fi	LoRa™	Close-range	4G	ANTI-THEFT	9V battery	120V AC	Solar power	Inputs / Outputs / Number of stations	Pages
	Bluetooth® range: local control, battery-operated																	
	WooBee		•	•				•			•		•	•			1-2-4-6 stations	p.55
	BL-IP		•	•				•			•		•	•			1-2-4-6 stations	p.54
	Wi-Fi range: remote access over Wi-Fi, AC power																	
	SMART-IS		•	•		•		•	•		•		•		•		2-4-6-9-12 stations	p.50
	VILLA		•	•		•		•	•		•		•		•		4-6-9-12 stations	p.51
	LoRa™ range: remote access, long range, battery or AC power																	
	LR-BST-REACT	•						•		•	•	•	•		•	•	25 / 100 modules	p.21
	LR-MB	•						•	•	•	•		•		•		30 / 100 modules	p.20
	LR-IP		•	•		•		•		•	•		•	•			1-2-4-6 stations	p.28
	LR-IP-ECO		•	•		•		•		•	•		•	•		•	1-2-4-6 stations	p.25
	LR-PM		•	•		•		•		•	•		•	•			1 water meter input 1 master valve or pump output	p.34
	LR-MS			•		•	•	•		•	•		•	•			2 models: 1 input or 4 inputs	p.35
	LR-MS-ECO			•		•	•	•		•	•		•	•		•	2 models: 1 input or 4 inputs	p.37
	LR-MS-SDI12						•	•		•	•		•	•			1 sensor input	p.32
	LR-PR				•		•	•		•	•		•	•			1 pressure sensor input	p.36

GLOSSARY

BL: Bluetooth®
LR: LoRa™

IP: Battery Irrigation
IS: AC Irrigation

MB: Mother Board
MS: Sensor Module

PR: Pressure
PM: Pump Management

● Gateways ● Controllers ● Sensor modules

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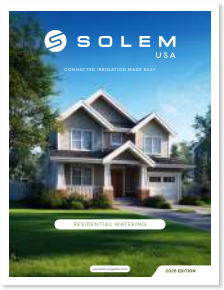
SOLEM is also an expert
in smart solutions for:



RESIDENTIAL WATERING

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