



***The 1st smart connected flowmeter to
measure your direct water consumption
and detect leaks***



Our mission and ambition

change water consumption habits

protect our Planet

equip any type of property

bring awareness to users

reduce World Water consumption and waste

General figures about Water

9000 billion m³ of Water

consumed each year in the World (70% agriculture, 20% industrie, 10% population)

200 liters/day

average consumption by 1 person

20%

wasted due to leaks

2/3 of world population

could be in a stress situation in 2025 due to lack of water

In **25 years, water** available in the World decreased by **26%**

and **population** increased by **36%**

Our customers' challenge



Detection of LEAKS in REAL TIME



Water Network Monitoring / Predictive maintenance



Water savings and water bills



Water conservation and environmental impact

« If you can't measure it, You can't manage it »

The IoT Solution



Marmites portionnables port 1

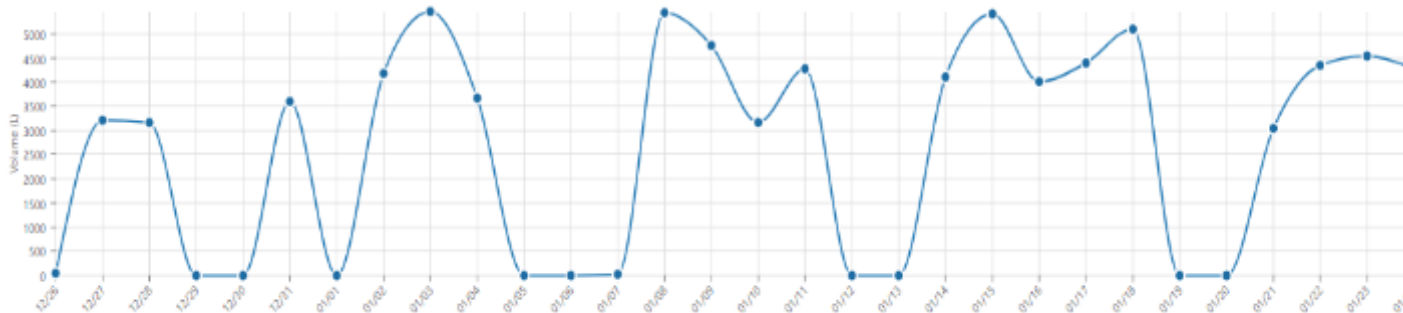
7 L

Today
4523 L

Yesterday
4269 L

This Month
74684 L

Start date: Wed Dec 26 2018
End date: Thu Jan 24 2019
☐ hourly consumption



A Simple Dashboard

Functions list

- Login
- Groups
- Administrators
- Users
- Locations
- Devices
- Sensors
- Virtual Sensors
- Time Alerts
- Volume Alerts

Display on all kind of screen



Robeau name

Robeau valise SS1 DN20

10 L

Direct
consumption

Today

43 L

Last Message: Tue May 29 2018 12:15:58 GMT+0100

Daily consumption

Yesterday

0 L

Day before

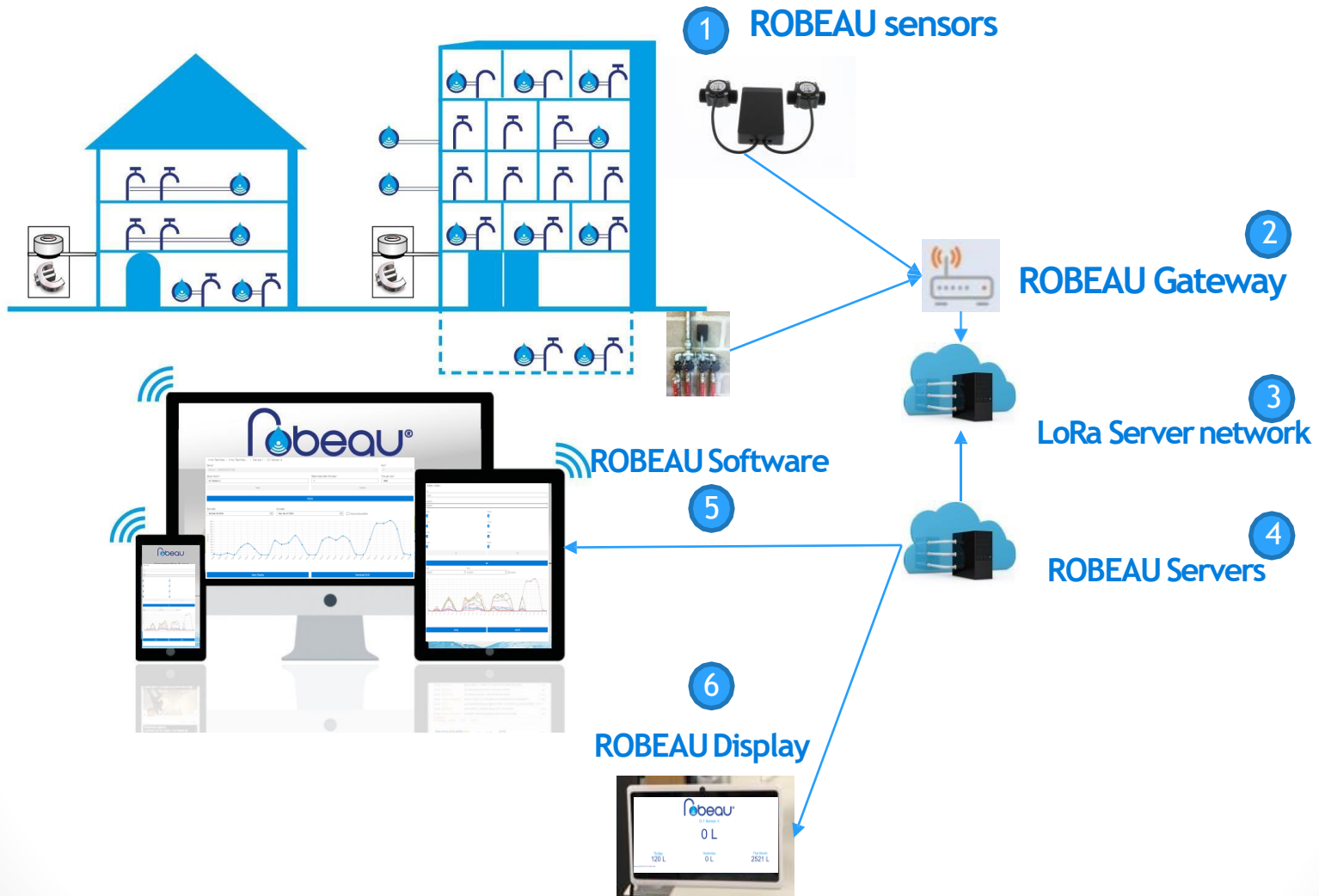
This Month

470 L

Monthly consumption

How does it work ?

ROBEAU CUSTOMERS



Robeau integrates simply with other applications via open API

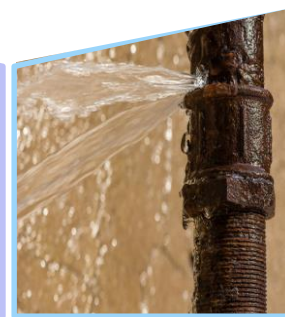
Robeau Smart Connected Solution



Real time data
with remote
monitoring



Identifies
water wastage



Identifies leaks
and minimises
property damage

Reduces
water bills
by >20%



Calculates
and
consolidates
consumption



Can be used
to help modify
user behaviours



Results are already amazing !

First of our customers started to save about **25% water in 4 months**,
especially in industries



Our markets and 2018 achievements



Facility Management



8 projects started



Industry/Smart Agri



2 projects started



WW Distribution



5 distrib signed



Hotels/Restaurants



3 projects started



Constructions



1 project started



Smart City



1 project started



Other markets



3 projects started

2018

(4 months)

90 requests

More than **20**
projects
started

Standard Global Pricing

1 device + 1 sensor
175€*

Individual sensor

DN10/DN15/DN20 **15€**

DN25 **25€**

MAINTENANCE

CUSTOMER annual Fee

26€/y

**Software release, Data server,
LoRa Connectivity**

*Reduced when internal network is
used*

LoRa Gateway – 200/800€



Our promise for our Customers

To save between **20%** and **40%** of their water consumptions
and reach a ROI in less than 2 years

*Volume discounts apply to Hardware and Annual fee

Other Sensors for Water Management

Temperature and Pressure

1 sensor

145 €

M10



Switch off Valve

1 valve

From 240 € (DN20)

From DN15 to DN60



*These 2 devices also use **LORA** and can be linked to our devices*

Sample configuration



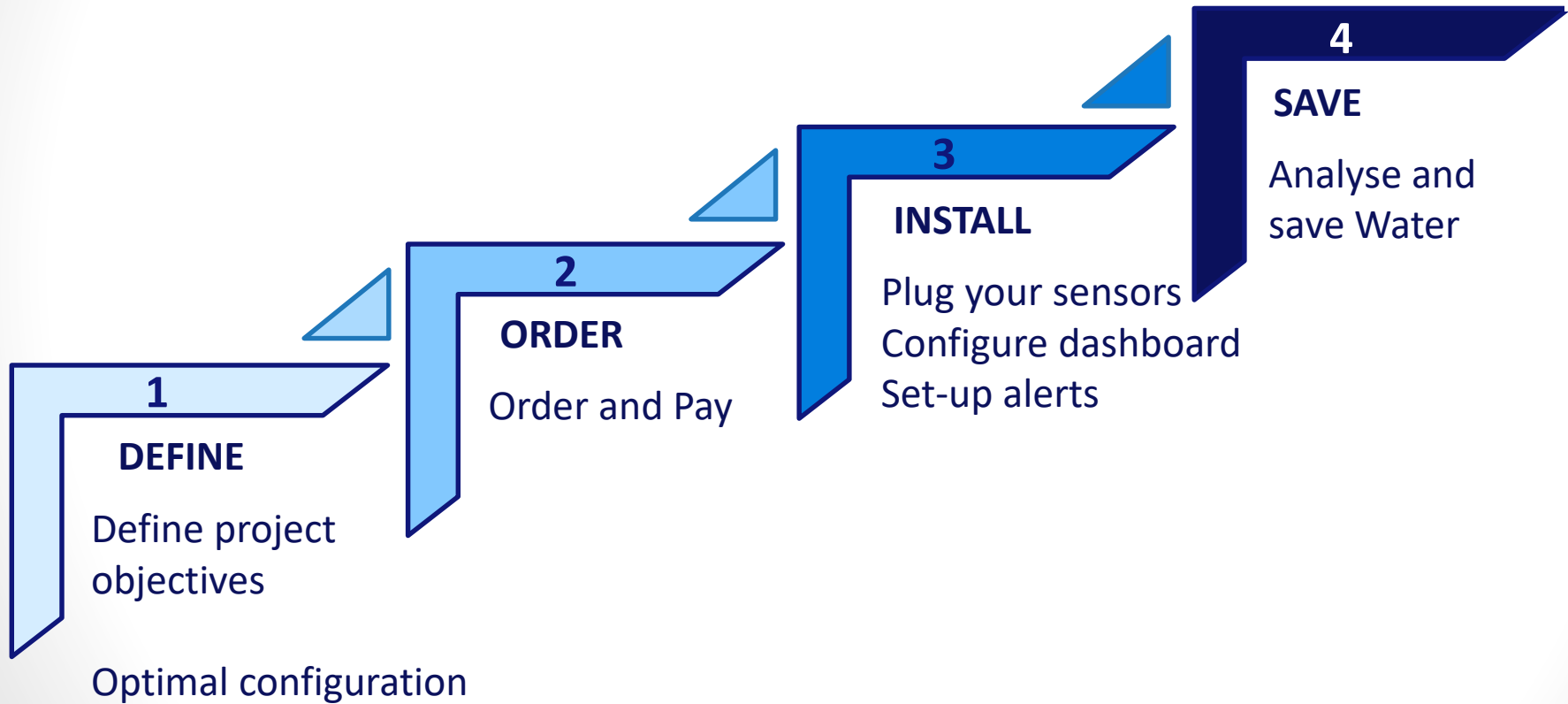
SO OUEST Paris

Commercial office building

- Restrooms only fitted
 - 22 floors
 - 2 restrooms per floor
- Hardware requirement
 - **40 Flowmeters**(DN20) - 2 per restroom
 - 20 Dataloggers - 1 per floor
- Hardware cost - €3,800
- LoRa Gateway - €400
- Annual fee (After sales, data management, Maintenance, Software releases) - €26 by device

* Excludes LoRa Gateway

Project a go? – easy steps



Our amazing TEAM



**Sylvain
Spenle**

COO
co-founder



**Joao
Duarte**

Generalist
Engineer



**Franck
Jeannin**

IS and IoT
Director

**Thomas
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Headquarter/offices : Dublin



Be « Green », Save Water, Save money

25% to 40% of water saved



Check your Water invoice now !

A connected device



Your building becomes smart !

LoRa technology inside



Welcome in the IoT World!

Hundreds of thousands liter
of water saved



You are GREEN and are
protecting our Planet for
the future !

Join Rob'



On our Website www.robeau.tech

And support *Water.org* with us !



Opportunity starts
with safe water

Water.org has empowered 10 million people with access to safe water and sanitation through affordable financing.



Our Partners



CentraleSupélec





Save your water

Save your planet

A large, light blue water drop shape serves as a background for the central illustration. Inside the drop, there is a stylized scene of a city and industrial area. On the left, there are industrial buildings with smokestacks. In the center, there are several houses and trees. On the right, there are modern skyscrapers. A network of purple pipes with valves is overlaid on the scene, suggesting a water distribution system.

Datasheet



Robeau



Wireless flowmeter and valve for water monitoring

Key benefits:

- ❑ ROBEAU solution helps to analyze water consumption, to respect new coming water regulation programs and to detect water leaks.
- ❑ ROI in savings from 25 to 40% on water bills
- ❑ Application of submetering for monitoring real consumption in C&I and residential markets

Product:

- ❑ Certified for LoRaWAN networks
- ❑ Measures logged when in use and sent every 5 minutes in LoRaWAN class A
- ❑ Min accuracy of 1 l/min
- ❑ 3 years battery
- ❑ Reports battery voltage
- ❑ Ease of data integration through analytics platform, or open API, or directly via sensor



LoRaWAN ready: YES

Radio: Europe, USA

Focus markets:
Commercial and residential
Connected buildings
Smart cities
Smart agri

Company	Country	Type	Commercial contact	Technical contact
Robeau http://www.robeau.tech/en/	Ireland	Flowmeter for water	John McGrath John.mcgrath@robeau.tech	contact@robeau.tech



Robeau

Standards:

EN 60950-1-2006	ROHS
EN 62479-2010	IP21
EN 301 489	
EN 300 220	

Radio characteristics :

LoRa modulation	: ISM, 868MHz, 14dBm output power high efficiency PA
Transceiver Power	: -14dBm high efficiency PA
Receiver sensitivity	: down to -137dBm
Blocking immunity	: 89Db

Electric characteristics :

Power supply	: 2 batteries 1V5 AA.
Sleep current	: < 150μA
Batterie life	: 2 years (with lithium AA – 2500mAh)

Dimensions:



Our sensors diameters



Pipes/Sensors dimension Table				
Inches	Internal \varnothing / external \varnothing (mm)	Nominal \varnothing	External \varnothing	Robeau sensor name
1/8 "	5 / 10	DN6	\varnothing 10.2	not yet
1/4 "	8 / 13	DN8	\varnothing 13.5	not yet
3/8 "	12 / 17	DN10	\varnothing 17.2	ROBEAU DN10
1/2 "	15 / 21	DN15	\varnothing 21.3	ROBEAU DN15
3/4 "	20 / 27	DN20	\varnothing 26.9	ROBEAU DN20
1 "	26 / 34	DN25	\varnothing 33.7	ROBEAU DN25
Special Flowmeter				
	Special precision Q3/Q1=160	DN20		ROBEAU R160
	Special Pressure >25 Bar	DN20		ROBEAU R25

Flowmeters is polyamide 6.6, reinforced with 30% fiberglass:
Zytel FG70G30HSR3 BK309 from DuPont enterprise

