



FLIWER

TECHNOLOGY FOR LARGE GREEN SPACES

Green infrastructure · Landscaping · Maintenance · Public works

**Green needs water.
Water needs intelligence.**

Fliwer transforms parks, corporate gardens, logistics hubs and large facilities into systems capable of measuring, interpreting and acting on the real needs of vegetation.

FROM SCHEDULED IRRIGATION → TO NEED-BASED MANAGEMENT

A NEW OPERATING CRITERION

Measure. Decide. Act. Prove.

Sensors and digital twins represent what is happening in each zone. Artificial intelligence combines that data with weather and plant knowledge to calculate needs, act on irrigation and provide full traceability of management.

15 years

R&D AND EVOLUTION SINCE 2011

≈10

COUNTRIES WITH
DEPLOYMENTS

24 / 7

AUTONOMOUS MANAGEMENT &
SUPERVISION

A DIGITAL BRAIN FOR EVERY GREEN SPACE

Fliwer is not a connected irrigation timer: it is a closed-loop architecture that turns environmental data into automated decisions and actions.



SENSOR → DIGITAL TWIN → IoT → AI → EDGE / ACTUATION → TRACEABILITY

01

Plant Twin / digital twin

Represents each zone based on species, soil, orientation, phenology and environmental conditions. It contextualises data and allows maintenance strategies to be evaluated.

02

IoT & sensing

Soil moisture, temperature, RH, light, conductivity, flow and weather. Distributed networks and Wi-Fi, LTE/NB-IoT, LoRa and mesh RF communications depending on the project.

03

Artificial intelligence

Models, expert rules and machine learning interpret the environment, anticipate needs and decide when and how much to irrigate, with continuous updating.

04

Edge & actuation

Controllers execute decisions on valves, pumps and other actuators. Local logic keeps the system operating even when connectivity is limited.

05

Blockchain & traceability

A verifiable record layer for projects that need to prove actions, consumption, incidents or contractual compliance in an auditable way.

06

Platform, app & API

Multi-site visualisation, alerts, work orders, history and REST API to integrate Fliwer with city platforms, BMS, GIS or client systems.

WHAT CHANGES IN OPERATIONS

Need-based irrigation

Less manual programming and greater adaptation to soil, vegetation and weather.

Early anomaly detection

Flow, consumption and leak monitoring when project instrumentation allows it.

Coordination of teams & sites

Traceability of automations, incidents and work for operations and contracts.

15 YEARS TAKING R&D INTO THE FIELD



From research to real-world use across public spaces, corporate environments and professional maintenance.

DEPLOYMENT & CLIENT PROFILE

Experience across complex, large-scale green-space operations.

- Leading landscaping & green-space companies
- Major public works & public-space maintenance companies
- Hotels, resorts & large residential communities
- Municipalities & cities
- Corporate gardens & campuses
- Deployments in ~10 countries



EUROPEAN VALIDATION

Horizon 2020 · Phase 1 + Phase 2

INVOLVE NEWTECH — developer of Fliwer — holds the EU Seal of Excellence and participated as technology partner in RAINOLVE together with RAIN S.p.A.

SME Instrument: GA 763130 (Phase 1) · GA 850054 (Phase 2)
EU contribution to the consortium across both phases: ~€1.42M

COMPANY EVOLUTION



RECOGNITION

Selected international awards & recognitions



Santander

**Best Technological
Project in Spain**

Banco Santander / YUZZ

injuve

**Best Agro Project
in Spain**

INJUVE

berflora

**Best Product
at Iberflora**



**Best Product at
Journées des Collections**



Best Product

at EIMA



Best Sustainable

Product at EIMA



**GERMAN
DESIGN
AWARD**

German Design Award



FLIWER

CEO & FOUNDER

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Engineering · AI · product · IoT ·
blockchain

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FOUNDER PROFILE

TECHNOLOGY WITH PURPOSE. FROM R&D TO GREEN INFRASTRUCTURE.

A career focused on creating technological products capable of interpreting the physical world and acting on it: from R&D in electronics and computer vision to intelligent irrigation, digital twins and sustainable water management.

EDUCATION

● Systems Computer Engineering

University of Girona (UdG)

● MSc in Software Engineering

Polytechnic University of Catalonia (UPC)

● MIIACS · Industrial Computing, Automation, Computing and Systems

UdG · specialisation in AI, computer vision and robotics

● PhD in progress

Blockchain applied to water and agriculture · UdG

PROFESSIONAL EXPERIENCE

R&D at Sony and in healthcare technology · founder of INVOLVE NEWTECH · creator and CEO of Fliwer · leadership of multidisciplinary teams in software, electronics, firmware, IoT and artificial intelligence · development and exploitation of patents and proprietary products.

CONFERENCES & CONGRESSES — SELECTED

Smart City Expo World Congress
2024

Plant Twins & AI for intelligent urban green
management

Iberflora / FEEJ 2023

Plant Twins, AI & Blockchain

26th AECOC Congress 2024

Innovation and sector transformation

PRO Sportstech 2024

Industry 4.0 and product design

EFISPORT 2025

Digital twins · GrassTwin project

ChemPlastExpo 2019 ·
IRTA/FRUITmonitor
· Crop Fair

Talks on AI, agriculture and applied technology

If your organisation believes Fliwer can help achieve its objectives, let's move forward
together.