

FLOVEA MIDDLE EAST FZE

FZJOA1411, JAFZA ONE Office No. #A1411
P.O. Box 16888, Jebel Ali Free Zone, Dubai UAE
Licenses: 25123038 & 25123033
Registration No: 13156863
Company Number (CN): 3649549
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www.fmedubai.com



COMPANY'S OVERVIEW

As a specialist in off-site & smart prefabricated plumbing solutions, FLOVEA is a French group that enables real estate developers, MEP contractors, professional plumbers and experienced engineers to simplify and improve the reliability of their on-site plumbing challenges.

We address our expertise at responsible real estate developers concerned about the sustainability of their installations and the service providers maintaining them on a daily basis.

Our company is built around a high-performance production team motivated by a shared goal of quality and water management experts driven by innovation.

Our R&D strategy is part of an eco-responsible approach which has been part of the company's DNA since its creation. The professionals within the water industry were quick to place their trust into the company, and institutions naturally followed to contribute to FLOVEA's reputation by granting it the status of innovative company.

Mr. Thierry Mignot, FLOVEA's founding president, who has over 25+ years of experience in the water management industry and has managed several French companies with 200+ employees, likes to point out that this is just the beginning of the company's ascent, reflected in our status as French industry leader.

"Twelve years have passed since the creation of FLOVEA Group and far from having achieved our cruising altitude, we continue to innovate, hear and listen closely to our partners. Beyond the sales pitch, each of our customers, through their constructive feedbacks, participated to the image of reliability and quality of this company. That's why we're constantly working to improve and provide new truly innovative solutions for our clients' water management strategies within their projects.

Through this document, you'll discover everything about our patented connected solutions, to bring plumbing and water management into our 4.0 world. The digital transformation of our business has begun, so let's work together to make the most of this new era."



Thierry Mignot
Founding President FLOVEA

FACTS & FIGURES



HEADQUARTERS
DAX - SOUTHWEST FRANCE



FOUNDED IN
2012



THIERRY MIGNOT
FOUNDER & CEO



47
EMPLOYEES



3.7M€ GROWTH
TURNOVER IN 2022

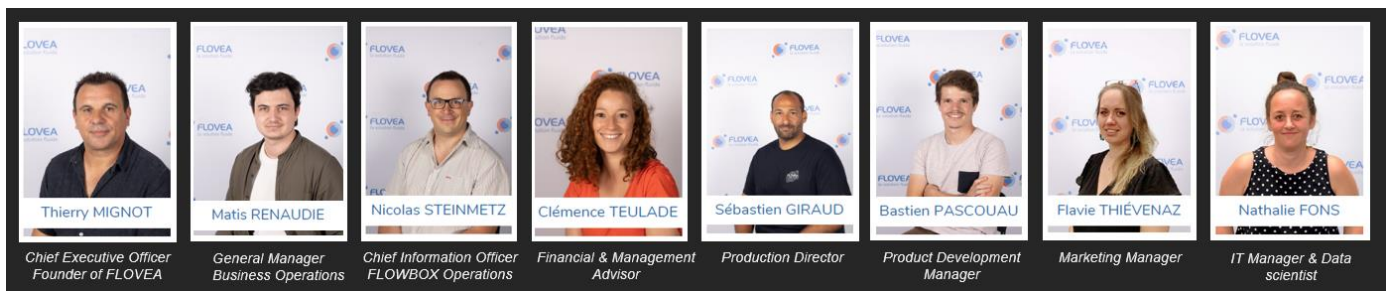
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OUR TEAM

In addition to the French Headquarters departments and industrial resources, our local branch FLOVEA MIDDLE EAST can lean on a variety of dynamic team members whose extended expertise supports every aspects of our water management division, from software & hardware developments to manufacturing operations. Each one of them are water industry experts driven by a natural taste for innovation.



OUR MISSIONS & VALUES



INNOVATION

Our company is historically attached to craftsmanship and its promotion but it was also born of a strong desire of always innovating. FLOVEA Group has invested heavily in designing new truly innovative solutions, through fundamental research and applied engineering; making our R&D department a key element of our company's structure.

SUSTAINABILITY

We strive to ensure that our design and production methods are always in line with a sustainable development approach, constantly adapting to be sure that our manufacturing process uses as much recycled or recyclable raw materials. We managed to answer the biggest challenge of our industry: combining industrial performance, new technology and vigilance over carbon emissions.



SOCIAL CHANGE

Within our daily challenges, we are supporting people and organizations to educate themselves about the importance of natural resources conservation & change the way our clients behave towards the use of water; paving the way for future generations and passing on sustainable consumption habits.

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OUR PARTNER IN THE MIDDLE EAST



With their 40+ years of experience in the Building, Water & Infrastructure local market, TROUVAY & CAUVIN Gulf quickly appeared as the right partner to distribute our smart technologies all over the GCC region.

In addition to offering a quick reaction and delivery time, this strategic partnership signed in 2022 allows us to answer the fast-growing demand for our *All-In-One* Water Management Solution PREDICTIVE FLOWBOX® on large-scale projects in UAE, Oman, Saudi Arabia, Qatar and Bahrein.

All of T&C Gulf teams, offices, storage facilities and industrial warehouses strategically located throughout the Middle East also gives us an extended ability to adapt to each projects' requirements, from material sourcing to local manufacturing.



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The advertisement is split into two vertical panels. The left panel has a dark background and features the text "The Smart Solution" in white and yellow, followed by "Truly understand your water consumption and act towards its complete optimization" in white. Below this is the "PREDICTIVE FLOWBOX®" logo, which includes a stylized white icon of a water drop and a circular flow, and a tablet displaying a data dashboard. The right panel has a light background with the text "The new TECHNOLOGY for our CHILDREN FUTURE" in blue, set against a background of clouds and binary code.

THE CONCEPT

The PREDICTIVE FLOWBOX® solution is a unique concept based on the connectivity of your hydraulic networks. Throughout the entire thinking and design process, we took into consideration all the challenges of the integrated water management industry, considering our expert partners and customers' feedbacks to ultimately meet every one of their needs.

This smart solution and its dedicated WebApp' have been designed to foster the use of the latest 4.0 technologies, while combining traditional plumbing elements to meet today's current market challenges: the improvement of hydraulic efficiency through the optimization and control of the water consumption as well as the reactive detection of any kind of anomalies, specifically leakages and unusually high-water usage.

FLOVEA successfully managed to create a unique high-performance solution that could be adapted on almost every secondary water network and be used in the same time by service providers, facility managers and end-consumers.

This technology, whose capabilities can be remotely updated with new innovations integrated to our smart App' each year, is the ultimate ally for a precise and better understanding of the way the water is consumed in your properties, and provide you with all the tools to be able to set-up remote actions towards its full optimization.

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THE ALL-IN-ONE TECHNOLOGY

For every challenge

Our PREDICTIVE FLOWBOX® device was design as an *all-in-one* technology thanks to the intelligent combination of precise sensors, a remote-controlled valve, a smart processor and traditional plumbing components.

This patented technology entirely developed by FLOVEA Group is the result of 6 years of R&D developments, taking time to really considerate all aspects in terms of daily water management operations. The PREDICTIVE FLOWBOX®, whose uniqueness is reflected in the diversity of projects and assets to which it can be adapted, has been entirely designed to be easy to install and to use at the same time for a large panel of people: real estate developers, service providers, MEP contractors, facility management companies and end-consumers such as property owners and tenants.

This smart device gives these users all the necessary tools to simultaneously gather flow, temperature and water consumption data, to send it to our App' for analyzing thanks to advance algorithms and to react remotely on the network by ordering the instant closure of the valve in case of any anomaly detected.




Save up to **35%*** on your yearly water consumption

FLOWMETER & TEMPERATURE SENSORS
continuously measuring hydraulic flows on your networks to maintain a sustainable water consumption

REMOTE CONTROL VALVE
controlled remotely from the FLOWBOX App which opens or closes according to the ordered commands

EMBEDDED SMART SYSTEM
allowing the configuration of the device on your network and collecting flow data to provide information & alerts to the FLOWBOX App



*results based on real projects in Europe & Middle East.
Check technical & installation requirements

FLOWBOX All-In-One Device,
A patented water technology developed by FLOVEA

The PREDICTIVE FLOWBOX® devices are available in three sizes ½"-1" and 2"-inch and can be adapted to water network's diameters up to 3"-inch with specific pipe reducers without any pressure losses, hence not disturbing the water supply.

Its characteristics' in terms of dimension and weight enables it to be installed both vertically on primary water networks and horizontally on secondary networks, with a minimal space requirement inside buildings.

After a quick pairing & configuration process as the initial step following the plumbing installation, the device requires a power supply and a wireless Wi-Fi or Ethernet cable connection, ensuring a seamless and fast data-communication with the Web App'.

Following some results-driven successful pilot projects with our clients both in Europe and the Middle East, and considering the huge demand to integrate it on large-scale projects in the region, we decided to establish in 2023 a second local manufacturing site in Dubai, in addition to our main factory in France.

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OUR SMART Web APP'

The ultimate tool for everyone

We have designed a full platform for everyone to be able to manage their PREDICTIVE FLOWBOX® devices.

Whether you are a real estate developer, a facility management company, an energy and service provider, a property owner or a simple tenant, you can easily keep an eye on your daily water consumption and be alerted in case of any anomalies (leakages & unusual high or long consumption).

The app' gives you all the tools to consume in a truly sustainable manner and to guarantee your water networks healthiness.

For everyone to be able to use our technology in its proper ways, we created a multi-user and multi-site platform.

Thanks to specified restricted accesses, every consumers and management teams within organizations can control the devices they are responsible for and thus benefit from all its capabilities the way it fits them. Our web app' is accessible both on computers, tablets and smartphones.

We also chose to create this web app' with an open API base, meaning that the PREDICTIVE FLOWBOX® technology can also easily be integrated into your existing IoT platform or BMS, for a more centralized gathering process of all your consumption and assets' performances.



Based on our profession's rules and water consumption statistics & patterns, the learning algorithms that our data-scientists have developed allows each PREDICTIVE FLOWBOX® devices to understand the consumption practices of the environments in which they have been installed.

The technology learns autonomously and everyday about the water habits of each specific areas and proceed with three different levels of analysis based on the flow, the volume & the duration of each single consumption.

Some customized duration and volume thresholds not to be exceeded are then automatically proposed to the user and notifications are received directly on the app' and by email when unusual consumption are detected.

Moreover, we introduced an instant leakage detection mode that can be activated at anytime by the user.

When all the water outlets (such as taps, faucets, flushes etc.) are closed and aren't used, the PREDICTIVE FLOWBOX® user can activate this mode to make a health check on his water network. If a consumption is detected by the device, then it suggests that water is going out of the network from somewhere else than a water outlet, automatically meaning that a leakage is going on the network. The solenoid valve can then be closed remotely from anywhere to avoid any pipe bursting that could cause some big water damages.

In addition to that we have developed the "scheduled automatic closure" feature, enabling a smart and effortless management to protect & extend your assets' life expectancy, as well as avoid micro-leaks related losses and potential water damages while a specific space is unoccupied or during the vacancy of the building (non-working/living hours, holidays, nights & week-ends etc.).

The App. in key points:



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OUR SCOPE OF PROJECTS

The versatility of both our *all-in-one* devices and the smart platform that manages them offers us the possibility to answer to almost every water challenge on a wide range of projects.

Whether it is to add value to your properties by equipping villas and apartments with a high-performance technology, to gather, analyze and optimize the water consumption data of all your commercial assets on a single platform or simply to efficiently manage and automate irrigation networks & processes, we will find together a way to make the most of this unique water management solution.

