IVIVA

Utility Management System

Simplify Utility Management, Amplify Results.

Office buildings spend almost

29%

of their operating expenses on utilities

source

Tracking energy, water, and gas usage across multiple buildings can be a major challenge for Property Managers, especially when relying on manual records or separate spreadsheets.

Without centralised data, inefficiencies are hard to spot, and issues that lead to unexpected costs can go unnoticed. Additionally, Property Managers must juggle utility billing, collections, and the management of emergency and preventive maintenance for utility systems, making it even more challenging to improve operational efficiency and reduce expenses.

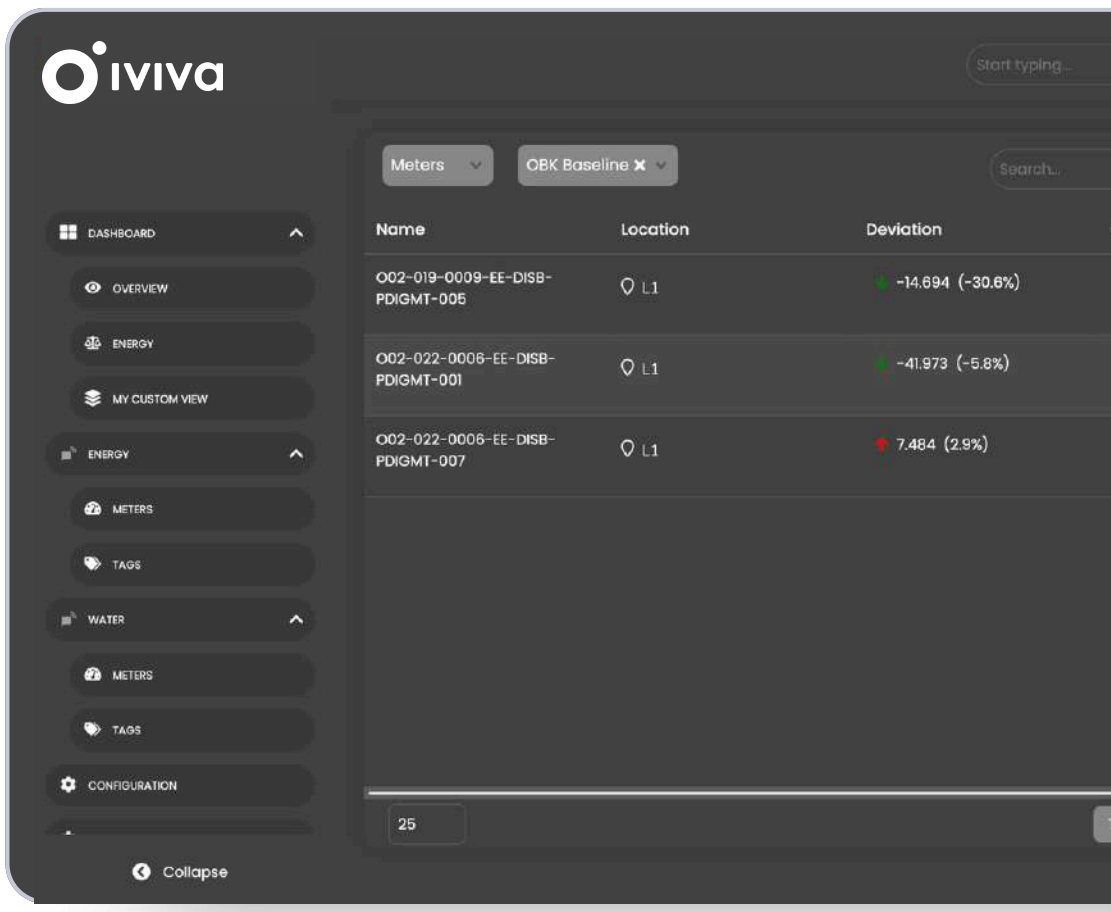
Fortunately, despite being a significant portion of the operations budget, utility costs can be effectively controlled with the right oversight. Utility Management Software (UMS) provides the ability to track, analyse, and centralise data, giving Property Managers full control over utilities management.

iviva Utility Management System (UMS) simplifies the management and budgeting of utilities across a portfolio. It supports flexible data categorisation, in-house configuration changes, and diverse data inputs, while providing tools for multi-level analysis, dynamic meter configurations, and flexible baseline management. By tracking historical data and identifying usage patterns, iviva helps organisations uncover inefficiencies, optimise utilities consumption, ensure compliance, and make data-driven decisions with confidence.

Capabilities & Features

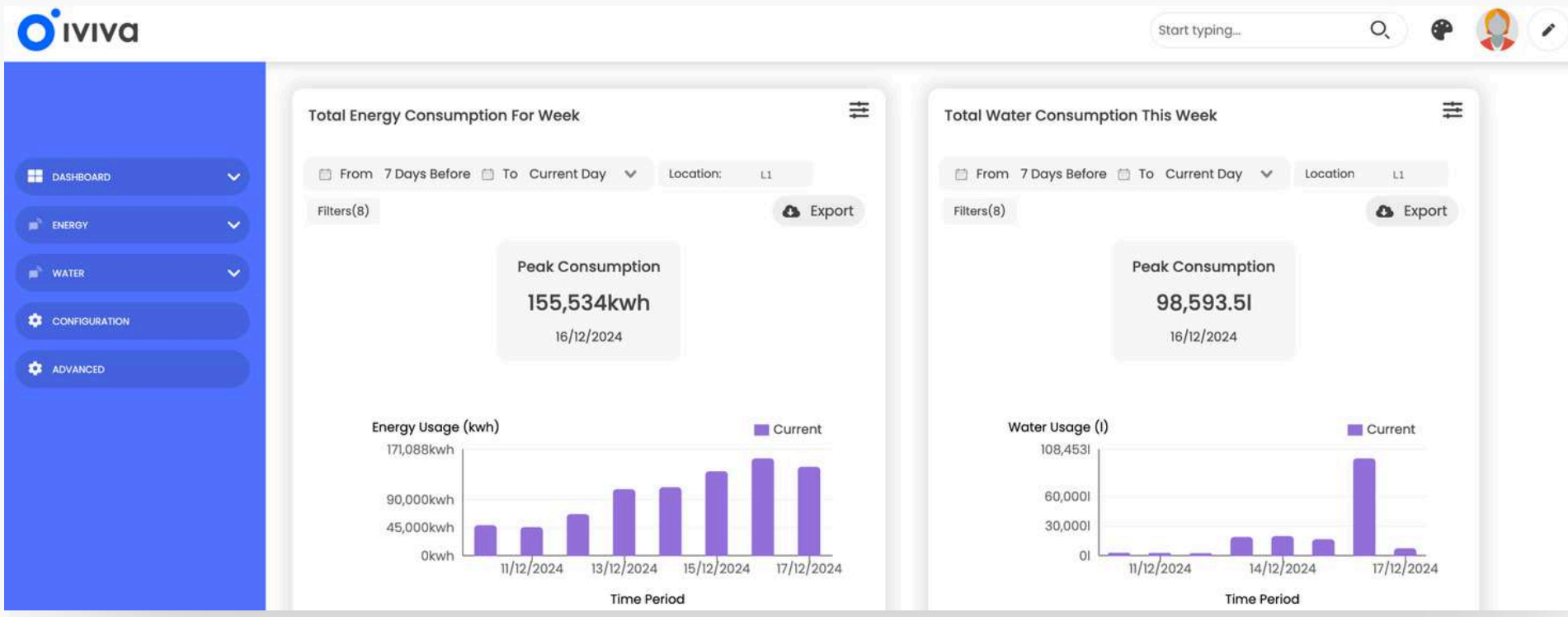
Record, monitor, and analyse any utility or metered data

- Centralised dashboards provide a clear view of energy, water, and gas consumption across multiple sources, ensuring compliance and driving resource optimisation.
- Define 'soft meters' or 'virtual meters' that calculate values from physical meters, and use meter groups and meter trees to diagnose high consumption, trace the meter hierarchy to uncover root causes, and optimise resource usage.



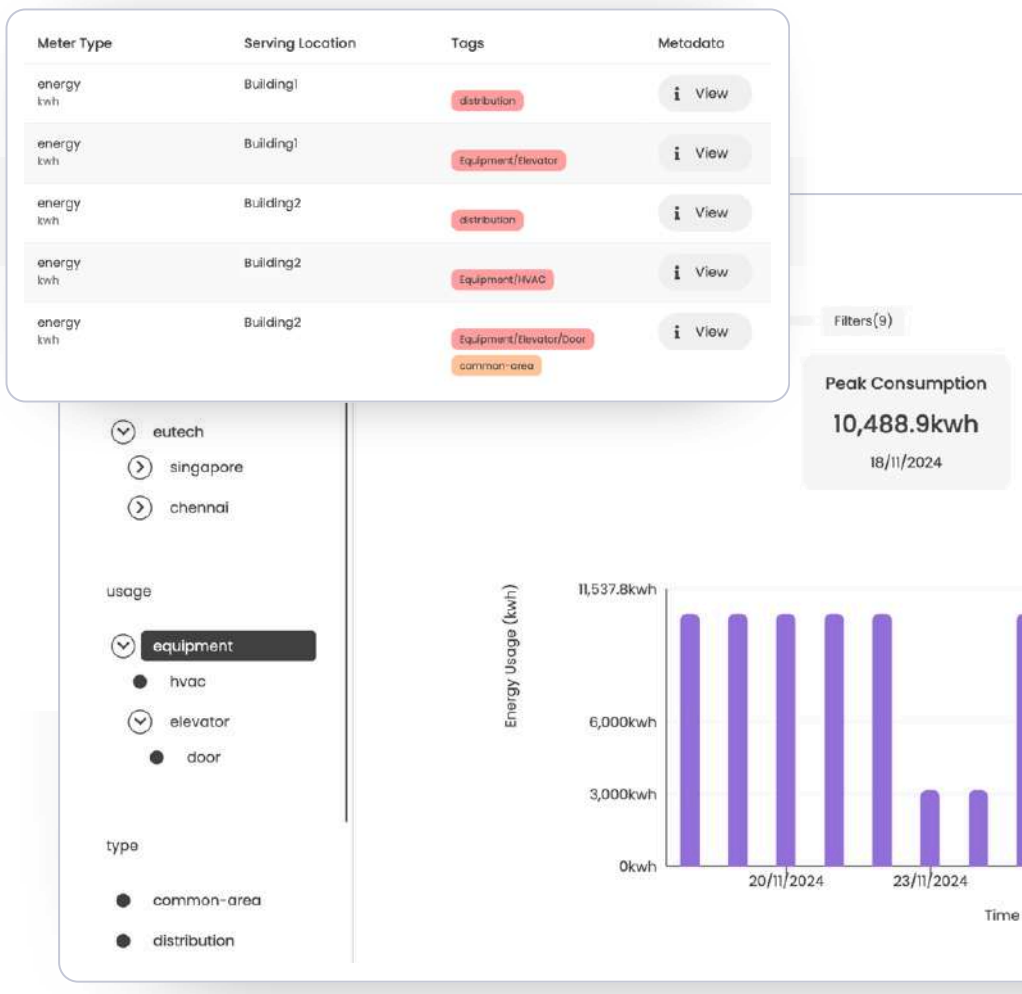
Simple point and click analysis and visualisations

- Visualise utility trends and anomalies, and analyse data with intuitive tools designed for quick decision-making, without the need for technical expertise.
- Customisable self-service analytics provide instant access to all meter data through a fast, point-and-click interface, allowing you to compare multiple meters, time periods, groupings, and visualisation types.



Flexible tagging and metadata management

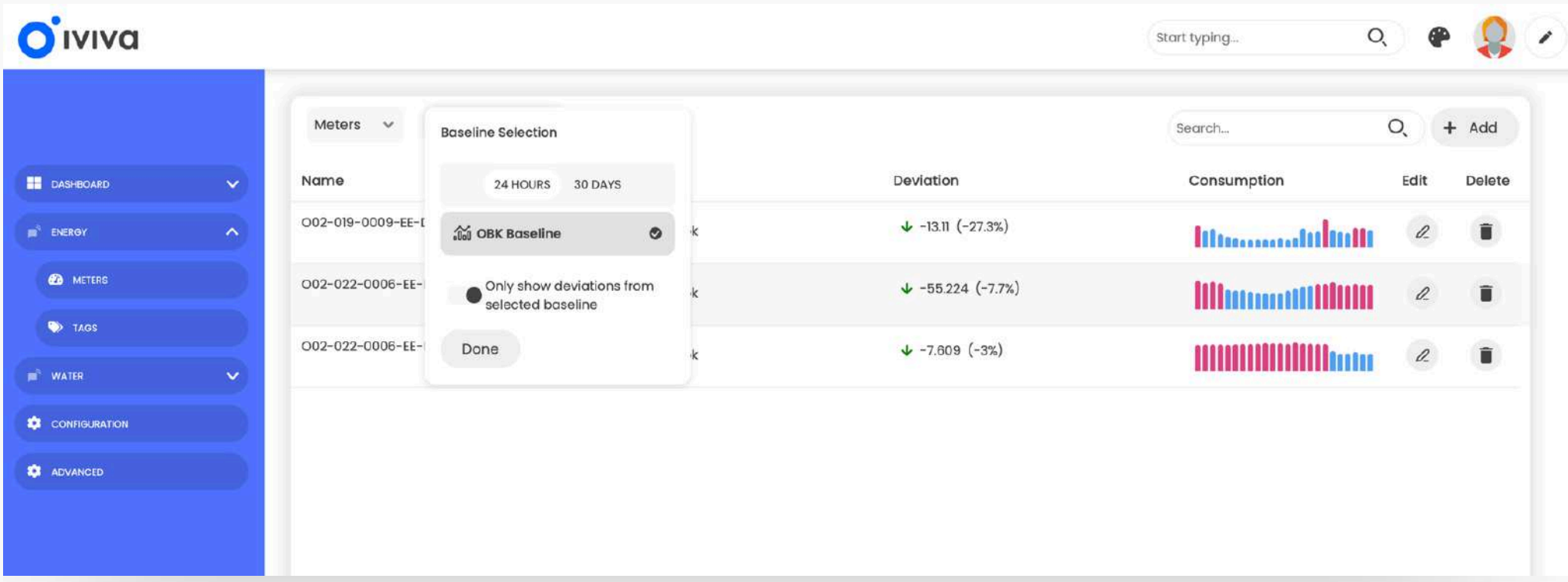
- Enable granular tagging of devices, meters, or zones for advanced analysis and easy navigation of metadata across your data ecosystem.
- Data modeling with tagging and tag trees lets you create custom hierarchies, and apply tags to meters or groups. This enables tenant-to-meter mapping, classification of consumption by area or system, and analysis based on organisational structures. It also provides the ability to accurately model utility consumption across entities and systems, enabling deeper insights to identify opportunities for reducing consumption.



Baseline comparisons

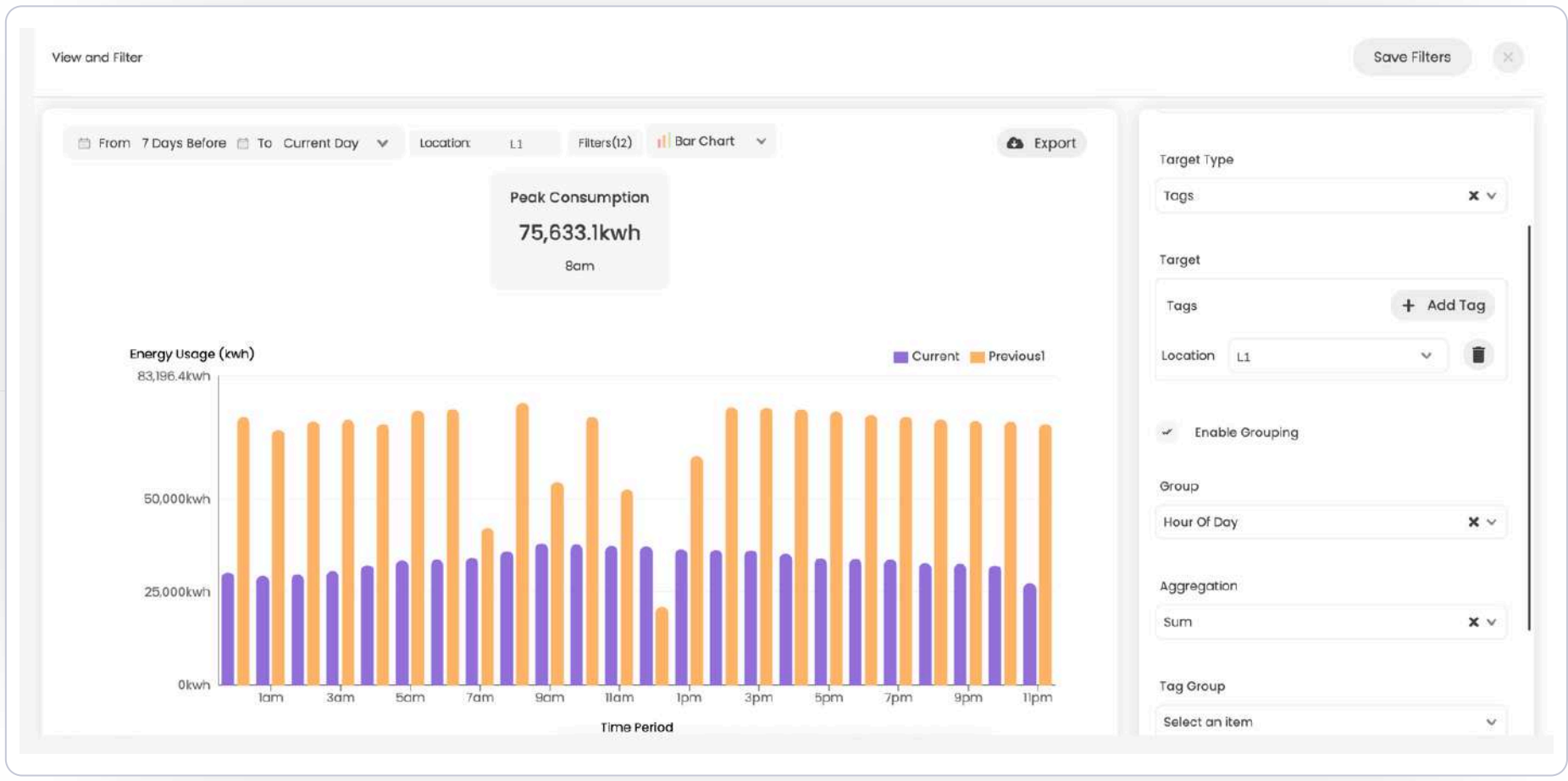
- Compare historical and real-time data to establish baselines, measure progress, and optimise performance against defined targets.

- Track baselines and deviations, to identify and trace consumption variances from configured baselines. Apply baselines to tags, meters, and locations for precise monitoring.



Customisable dashboards and reports

- Create personalised dashboards and reports to highlight the KPIs that matter most to your organisation, ensuring stakeholders receive the insights most relevant to their needs.



Alerts

- Receive instant alerts for abnormalities in data trends, enabling proactive decision-making to address issues early, while exploring analytics through customisable tags for deeper insights.

Consume data from multiple IoT and building control systems

- Integrate with IoT devices, building management systems, and other control platforms to consolidate all operational data into a single system.

Consume data from semi-structured and unstructured sources, including photo uploads, invoices, Excel sheets, and more

- Leverage advanced tools to incorporate semi-structured and unstructured data, such as scanned invoices, photos, and spreadsheets, for deeper insights and actionable intelligence.

  Gather data from,

Meter Readings

Instantaneous Demand/Load/ Power

AI-based extraction of unstructured data via raw PDF invoices or screenshots

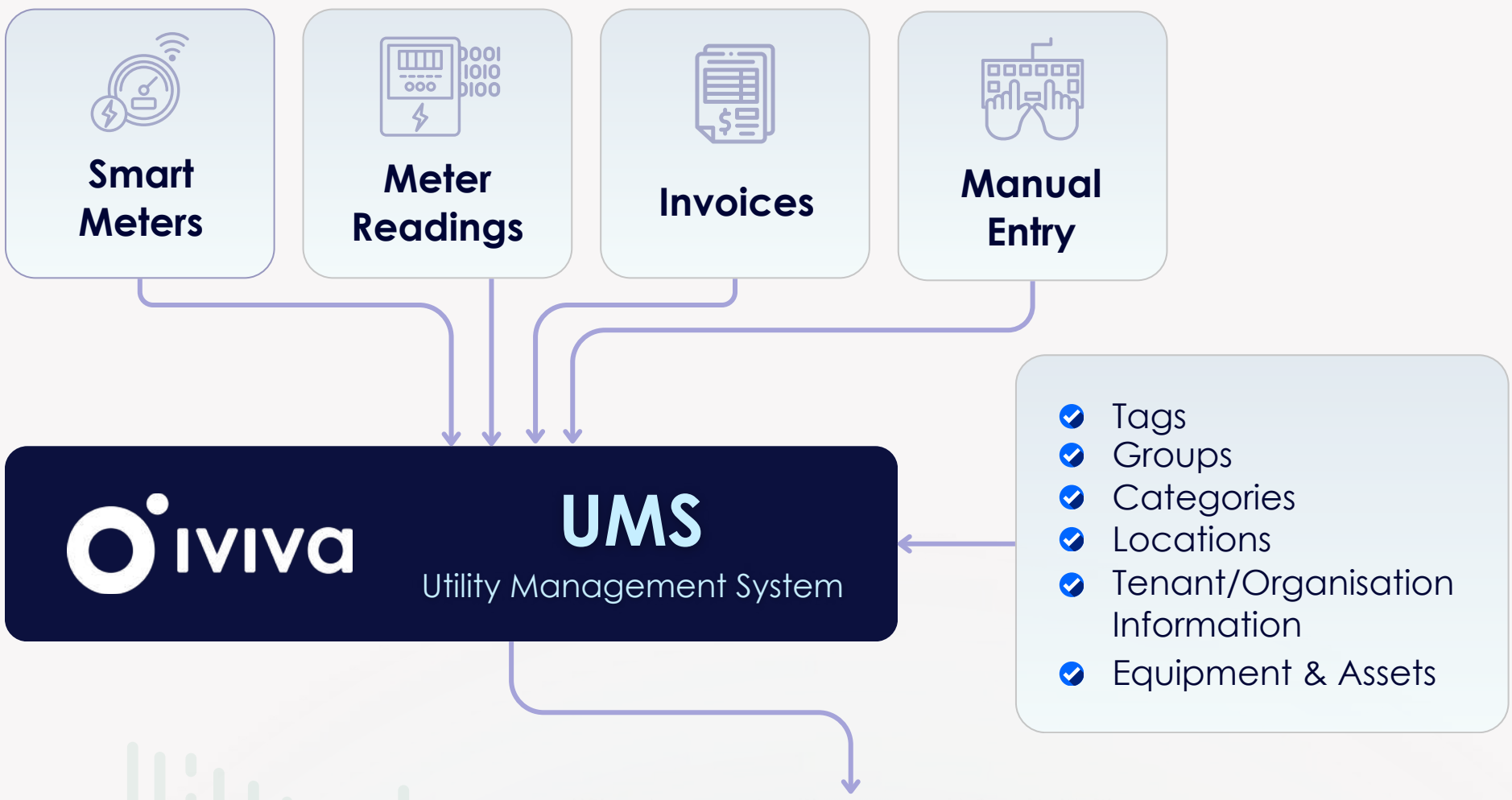
Consumption Values

CSV/Excel uploads

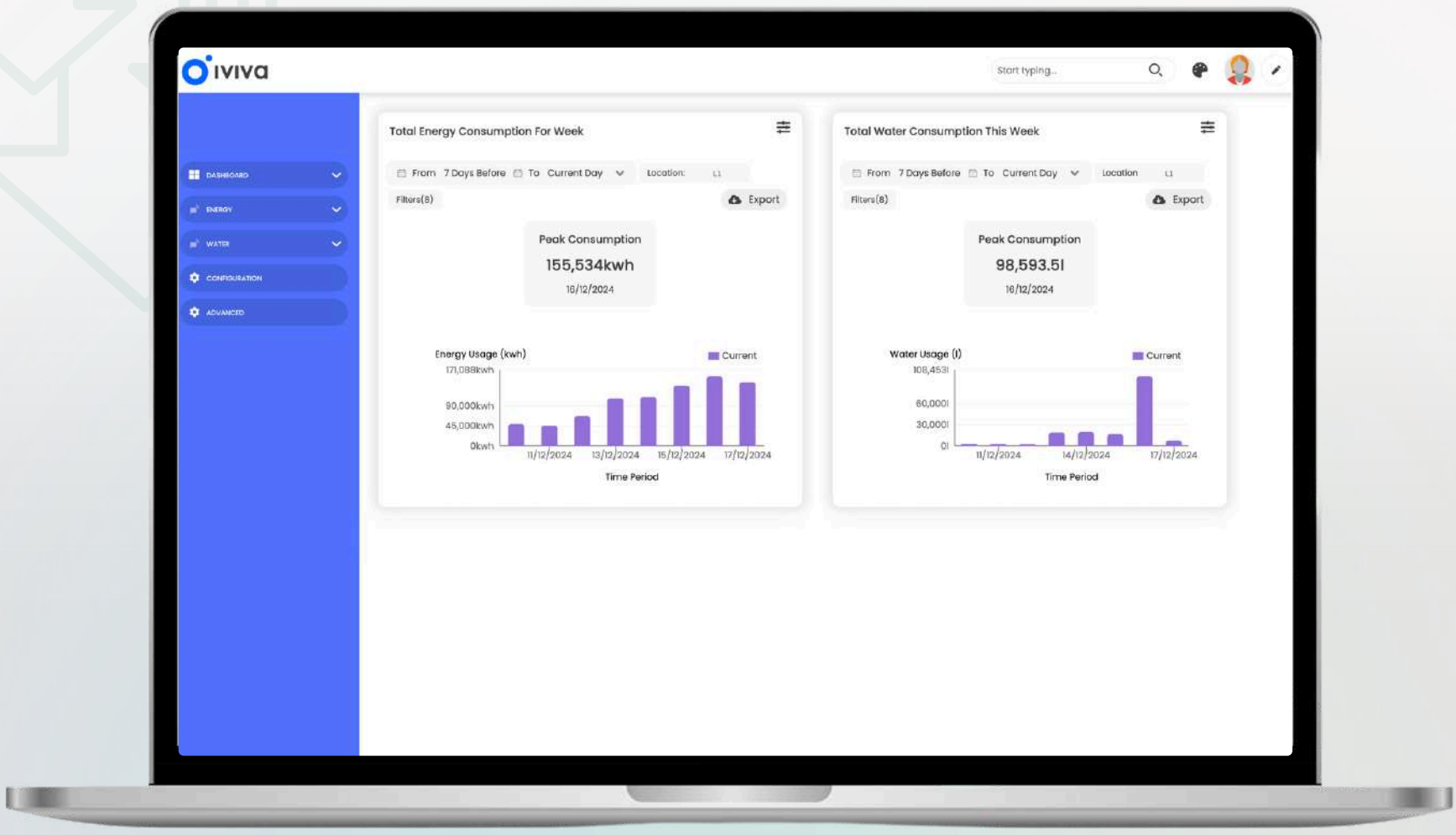
Meter photo uploads

Data sheets/images/ documents emailed to the application

UTILITY MANAGEMENT WORKFLOW



Rich analytics and insights



Integrations

wattwatchers DIGITAL ENERGY

ASHRAE BACnet™

OPC FOUNDATION

MQTT

unabiz

{REST}

SIEMENS

iviva UMS

Honeywell

Schneider Electric

PDF

Modbus

tuya

TRIDIUM niagara4

Did you know?

Reducing water and energy use in commercial buildings can lower their **carbon footprint by up to 20%**—the equivalent of taking **1.5 million cars off the road** annually!

Sources: 1, 2

Get in touch

Email:
info@claritybuildingcontrols.com

iviva

Suite 2007, 115A Commonwealth Drive,
#02-01/06, Singapore 149596

Follow us on LinkedIn

iviva.com