

SUSTAINABLE WATER MANAGEMENT IN A *Changing Climate*

13th BALKANS JOINT CONFERENCE
AND EXHIBITION



11-12-13 NOVEMBER 2025
DURRËS, ALBANIA

Smart Technologies for Water Loss Reduction: From Data to Decisions - HUBGRADE

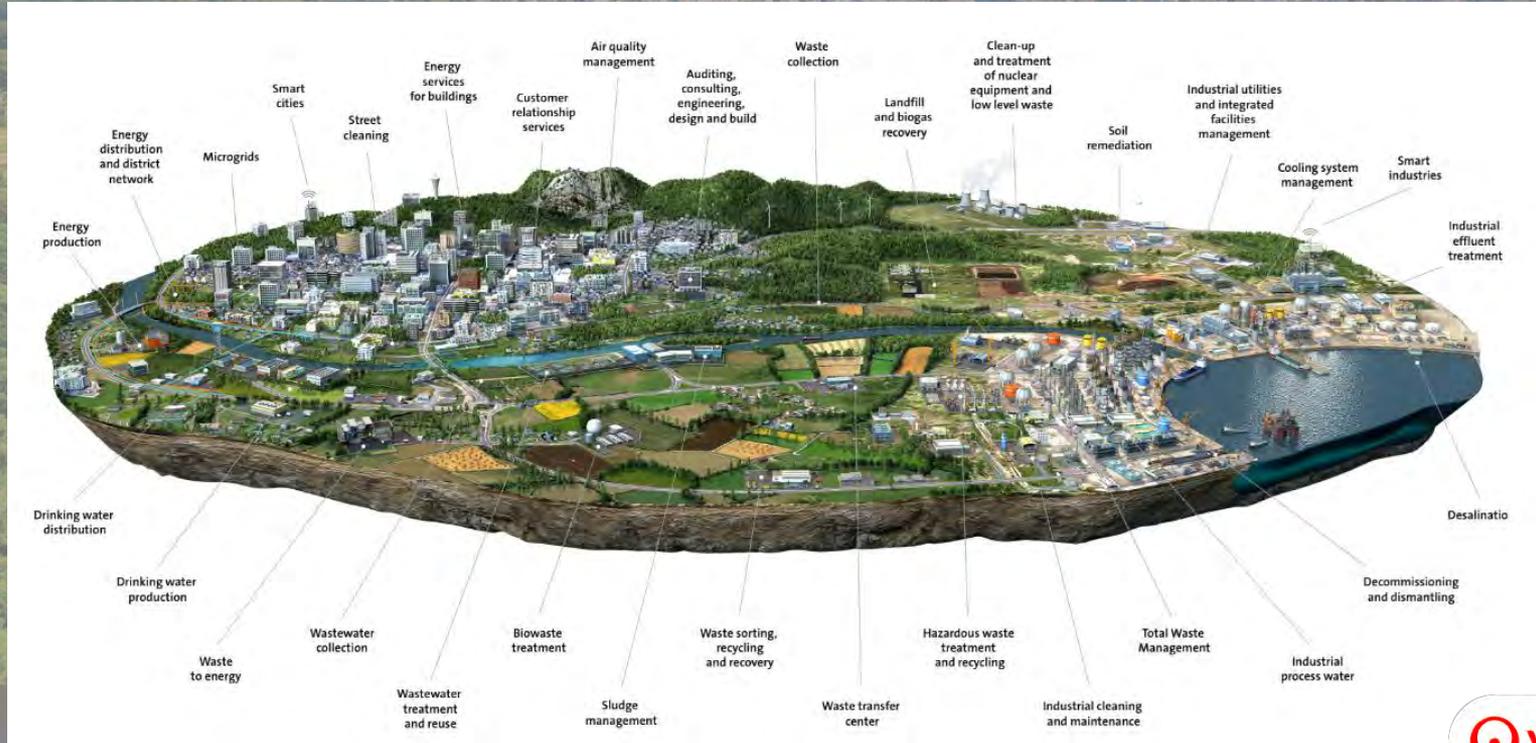


Leonat Muskollari
VEOLIA

Durrës, 12 November 2025



VEOLIA, A WORLD OF Water Sustainable Solutions for CITIES, BUILDINGS & INDUSTRIES



BUILDING ENERGY OPTIMIZATION

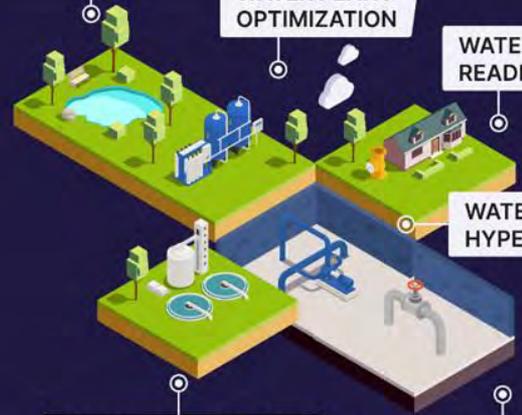
INDOOR AIR QUALITY MONITORING



WATER RESOURCE MANAGEMENT

WATER PLANT OPTIMIZATION

WATER METER READING



WATER NETWORK HYPERVISION

WASTEWATER PLANT PERFORMANCE

WASTEWATER NETWORK HYPERVISION



DISTRICT ENERGY NETWORK MONITORING

Hubgrade
by VEOLIA

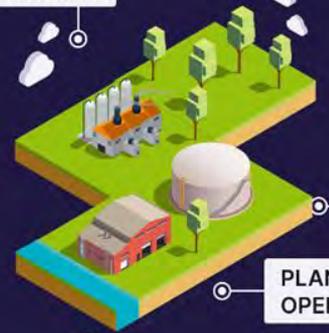
WASTE QUALITY MONITORING



WASTE COLLECTION ROUTE OPTIMIZATION

BIODIVERSITY MONITORING

CARBON FOOTPRINT



ASSET MANAGEMENT

PLANT OPERATION

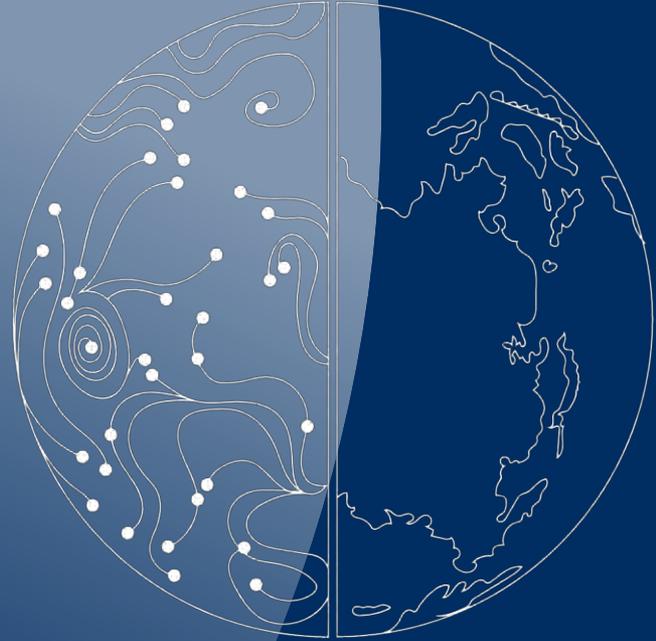
WATER FOOTPRINT



Hubgrade
by  VEOLIA

WATER FOOTPRINT

**Water Balance & Resilience For
CITIES, BUILDINGS & INDUSTRIES**





Our common goal:
achieve a
Net Zero Water



The Worldwide Race to Reach Water Neutrality



- Sustainability is indispensable to making investment decisions. **70%** of climate risks are water-related

BlackRock.

- Around **28%** of consumers have ceased buying certain products for ethical or environmental reasons, and professionally-managed investment assets with an ESG mandate are on track to represent around half of the total by **2025**.

Deloitte.

TO RESPOND TO YOUR NEEDS

SUSTAINABILITY ACCOUNTING

- Ensure high level of water quality & comply with stringent regulations

CLIMATE RISK PREVENTION

- Avoid investments risk related to water & environmental concerns

BUSINESS CONTINUITY

- Reduce OPEX and increase productive uptime

FOOTPRINT REDUCTION

- Reduce your water & environmental footprint





TESTED AND PROVEN ON **VEOLIA'S OWN PLANTS**

Hubgrade Water Footprint was implemented at Veolia's facility in 2023 and allowed the team to quantify early wins, including:

- Harvested ~3,000 cubic meters of rainwater
- Reduced emissions by 20,000+ kg by piped natural gas (PNG) usage
- Saved 72,000 kWh via solar power

Hubgrade Water Footprint provides the expertise & the recommendation needed to accelerate your sustainability journey

In 2024, we expanded the use of **Hubgrade Water Footprint** to up to 18 more global sites to drive new sustainability efforts

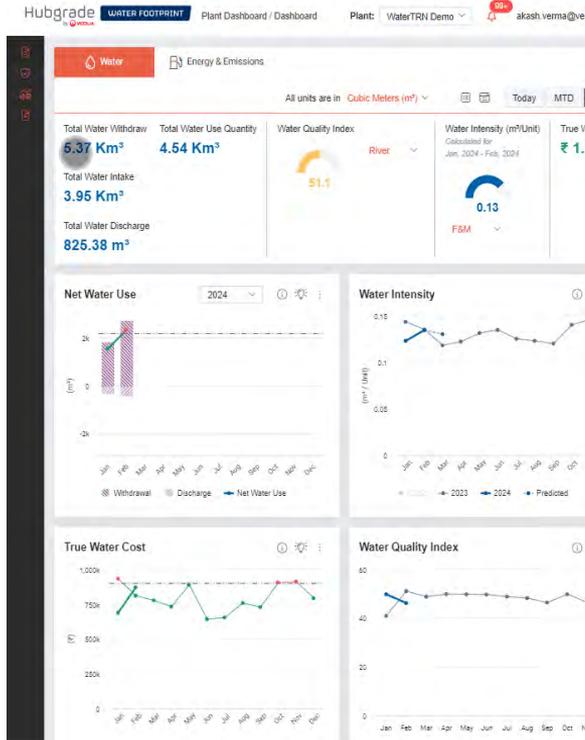




**HOW HUBGRADE
WATER FOOTPRINT
WILL SUPPORT YOU
THROUGHOUT YOUR
SUSTAINABILITY JOURNEY**



Step #1 - Transparency



WATER ACCOUNTING

- Water flow-sheet at the plant level with a drill-down capability to process and equipment
- Monitoring of transient events in real-time
- Effluent discharge reports w/ permits & industrial pretreatment transparency

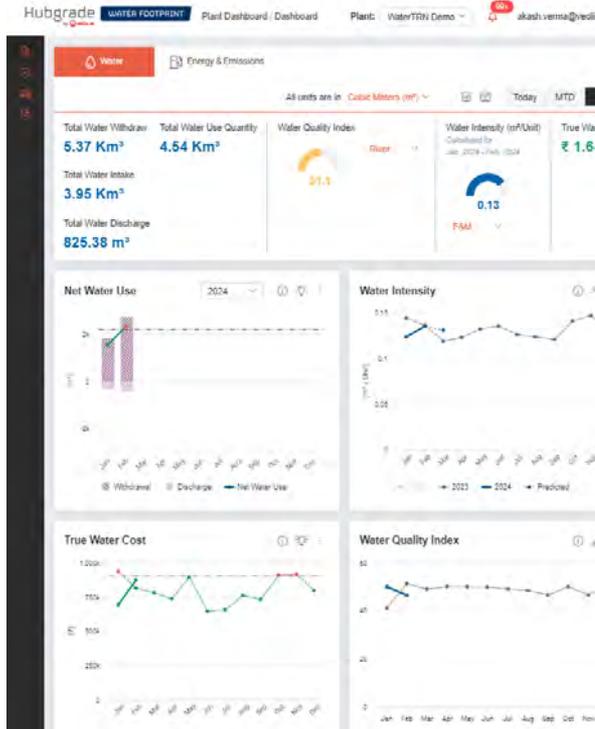
WATER BALANCE

- Detecting, isolating, and eliminating anomalous water usage
- Smart alerts and automated vigilance to source new water from existing operations

ALL VEOLIA EXPERTISE IS AVAILABLE FOR YOU

- Enables process mastery through best-in-class domain expertise provided by Veolia customer success team
- Diverse portfolio solutions & thousands of industrial assets already connected

Step #2 - Resiliency



BUSINESS CONTINUITY

- Best-in-class & live recommendations driving rapid responses to the operations anomalies.
- Regular engagement with Veolia's customer success team helps contextualize the recommendations

PROACTIVE RISK ASSESSMENT

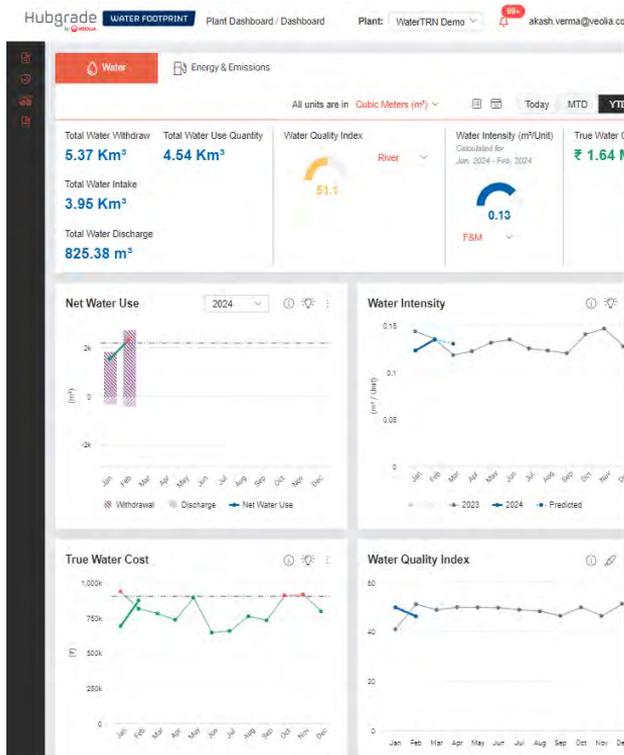
For enterprise planning:

- Corporate risk view to understand and assess the global portfolio under water risk
- Delineate vital few, to drive specific actions

For plant:

- Calculation of plant risk based on geospatial site information plus heuristic method
- Explore & plan mitigation measures, such as re-use, recycle, efficiency measures, and zero liquid discharge.

Step #3 - Net Positive



INTERACTIVE RESULT DASHBOARDS

- Baseline KPI Targets
- Benchmark and track & forecast progress towards water-sustainability goals

FLEET OPERATION OPTIMIZATION

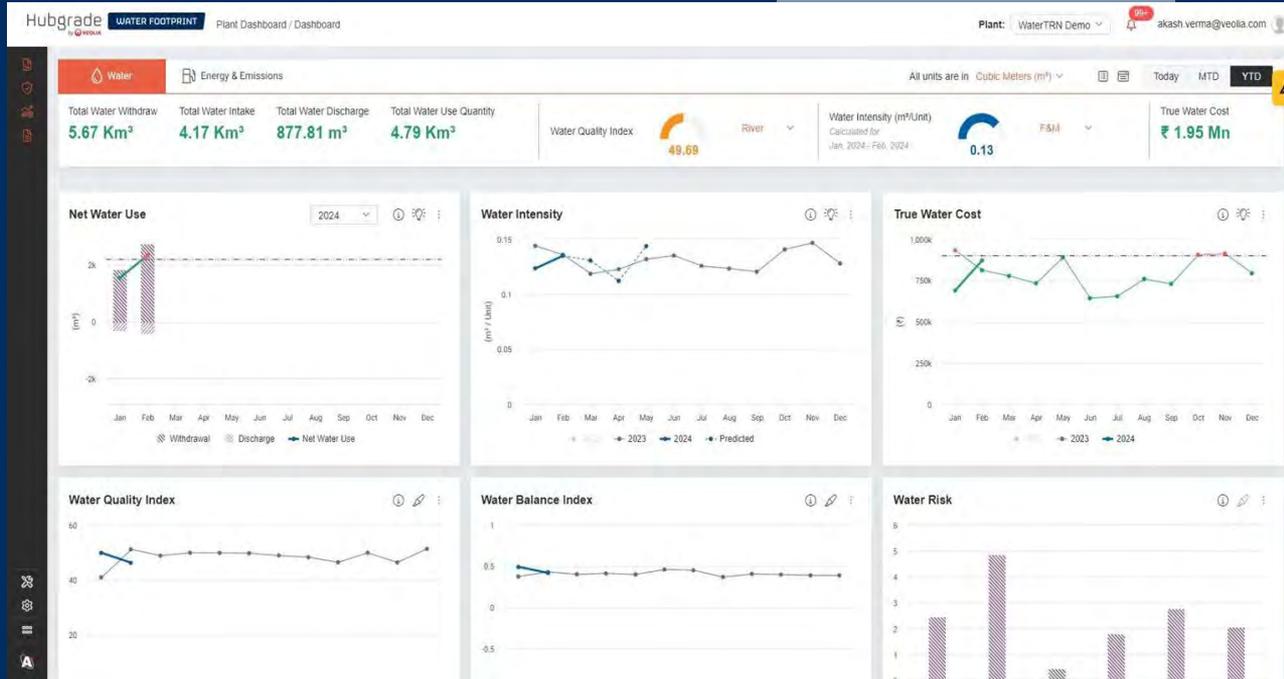
- Visualize detailed maps of site level water withdrawal, consumption and discharge points
- Multi-plant comparative metrics that help identify best practices

FOOTPRINT REDUCTION

- Track opportunities and reasonable performance targets to set against 5-Rs (Reuse, Recycle, Recovery, Reduce, and Restore)
- Setting goals for different plants to achieve specific sustainability targets

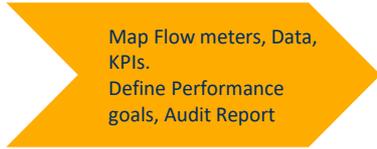
LET'S DEMONSTRATE

Hubgrade Water Footprint



LET'S GET STARTED TOGETHER

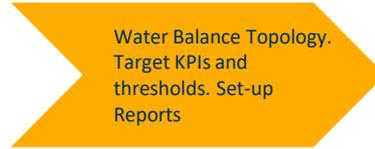
STEP #1
Site Water Audit
Audit Report



STEP #2
Instrumentation & Data Gaps Assessment



STEP #3
Hubgrade Water Footprint Onboarding



STEP #4
Risk Assessment
Inside/Outside the fence

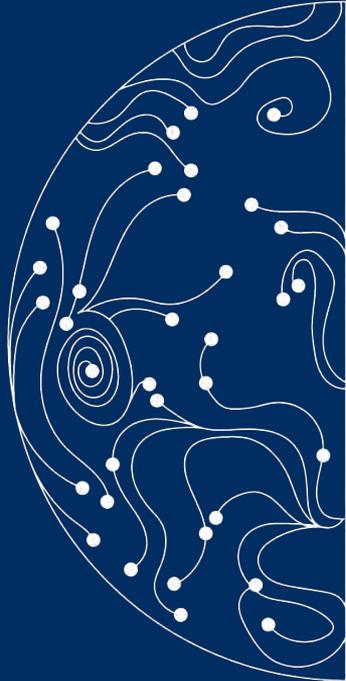


STEP #5
Define Actions
Net-Zero/Positive



STEP #6
Implement Actions
Best in class expertise



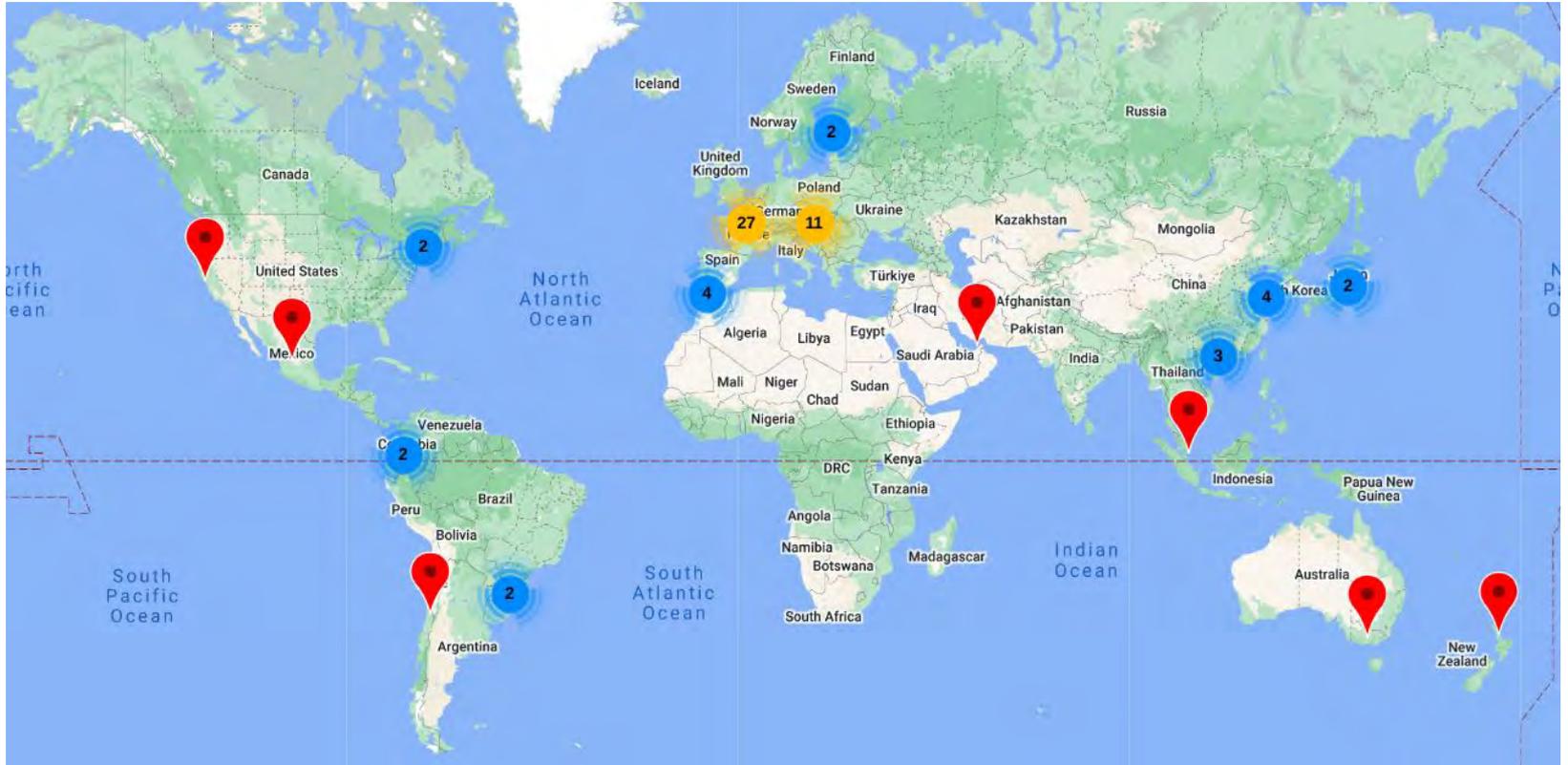


AROUND THE WORLD

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AROUND THE WORLD



Click on the map for more information

EXAMPLES

Shanghai



Madrid



Rabat



Sao Paulo

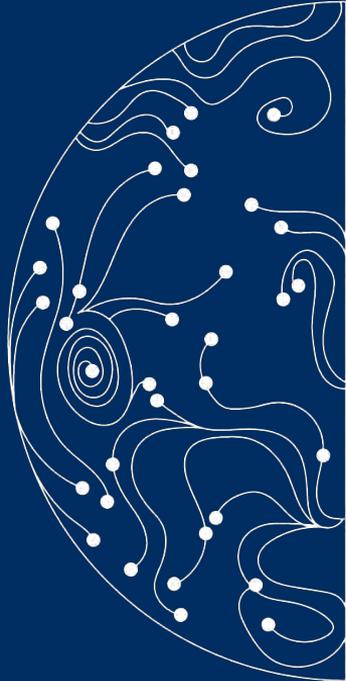


Aubervilliers



Lisbon





Questions?

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Thank you for your attention...

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Resourcing the world  **VEOLIA**