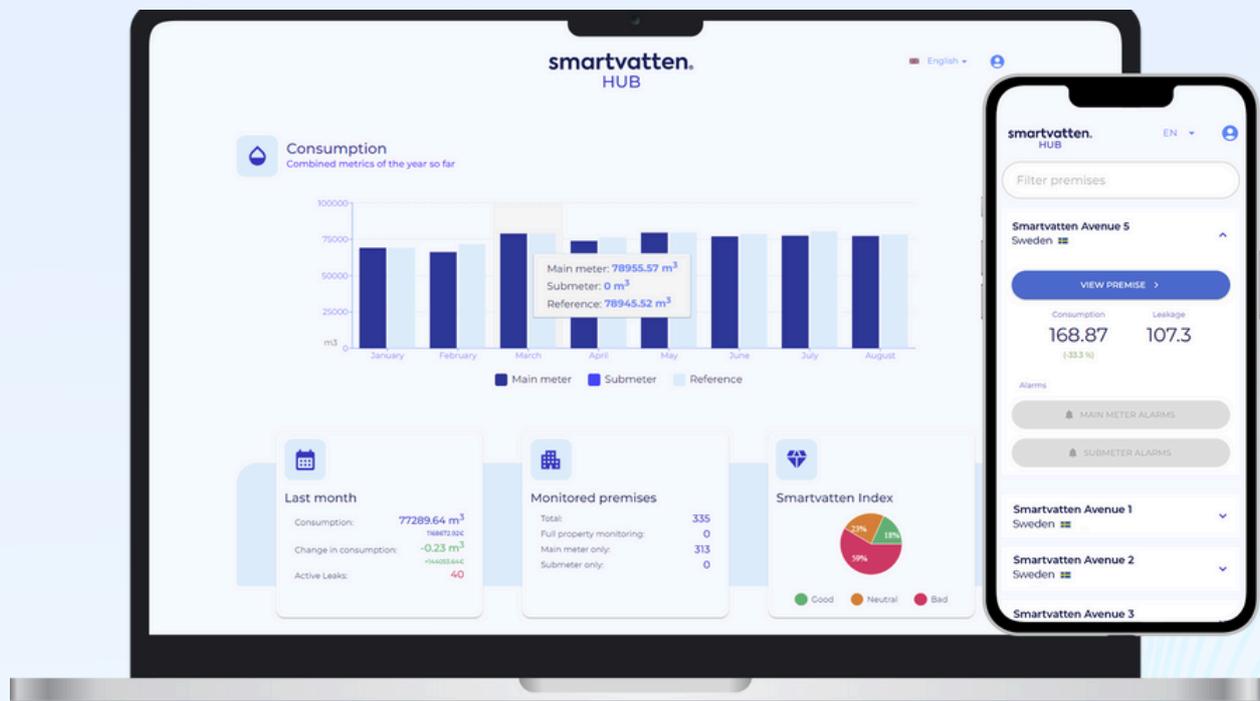


Streamline CO2 Tracking from Water Use in Your Building

Sustainability Workflows

As sustainability becomes a business priority, heads of sustainability face increasing demands for efficient CO2 tracking, particularly related to water use.

With ESG reporting requirements and the new **Corporate Sustainability Reporting Directive (CSRD)**, tracking the carbon footprint from water-related activities is critical.



Why Water Matters

Water use in buildings contributes significantly to CO2 emissions, particularly through the energy required for heating, pumping, and treating water.

Smartvatten's real-time water management solutions provide the tools needed to reduce waste, optimize usage, and simplify reporting.

Here's how Smartvatten calculates the CO2 emissions tied to water use:

1. Water Supply and Treatment:

The distribution of drinking water and wastewater treatment emits approximately 0.71 kg of CO₂ per m³, based on data from Helsinki Water Utility. This value is considered conservative for regions with less efficient wastewater treatment facilities.

2. Energy for Heating Water:

Heating water by 50°C requires 58 kWh per m³. The CO₂ emissions depend on the type of heating system used, which can be customized for each property in the Smartvatten Portal.

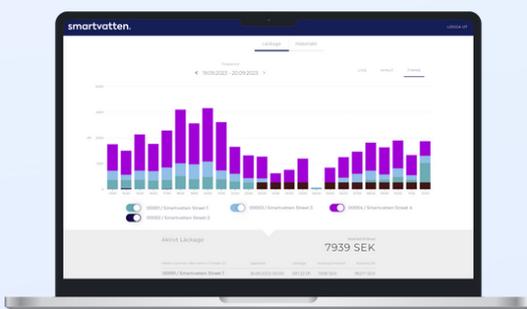
On average



of our clients detect leaks each month!

CO2 Equivalents of Heating Energy

The CO₂ emissions generated from heating energy depend on the energy source used in the building. Specific values and energy sources can be configured and monitored through the Smartvatten Portal.



NOTE: The proportion of hot water in total consumption also varies by property type, ranging from 30-40%, following guidelines from Motiva.



IMPORTANT NOTE

While our baseline of 0.71 kg CO₂ per m³ is based on Helsinki Water Utility's modern wastewater system, CO₂ emissions from water production and treatment may vary across Europe. In regions with less optimized wastewater facilities, these figures could range higher.

Three Steps to Streamline Your Sustainability Workflow

- 1. Centralize Data with Smart Technology:** Install Smartvatten's water monitoring technology to gather real-time data on water usage. This eliminates guesswork and helps pinpoint inefficiencies, leaks, or overuse instantly.
- 2. Quantify CO₂ Savings from Water Use:** By linking water use to energy consumption, Smartvatten makes it easy to quantify the impact on your building's carbon footprint. Reducing water usage directly translates to lower CO₂ emissions, aligning with your Net Zero goals.
- 3. Align with ESG and CSRD Compliance:** Use Smartvatten's system to streamline ESG reporting, ensuring full transparency and accuracy in meeting compliance standards like the CSRD. If your building already uses an energy or building management system, integrating Smartvatten's platform is seamless—either through API connections or by uploading raw data. This makes quantifying your water-related CO₂ emissions even simpler, with minimal setup time.

How Smartvatten Helps Sustainability Managers

For sustainability leaders, Smartvatten simplifies data collection, automates reporting, and provides clear insights into water-related CO2 emissions. These features help you:

- **Reduce Emissions:** By using less water and detecting waste early, you lower the energy needed for water processes.
- **Prepare for Compliance:** Stay ahead of regulatory changes like the CSRD with monthly downloadable reports that's easy to integrate into your existing systems.

START TODAY!

Optimising your sustainability workflow doesn't have to be complex. By using Smartvatten's technology to track water use, reduce emissions, and streamline reporting, you can meet your Net Zero targets while staying compliant with ESG regulations.

Contact us

Interested to know more?
We're eager to help you
crush your sustainability
goals.



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