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Praćenje CO2 otiska

Predavač: dia, Gianmarco Ćurčić Baldini

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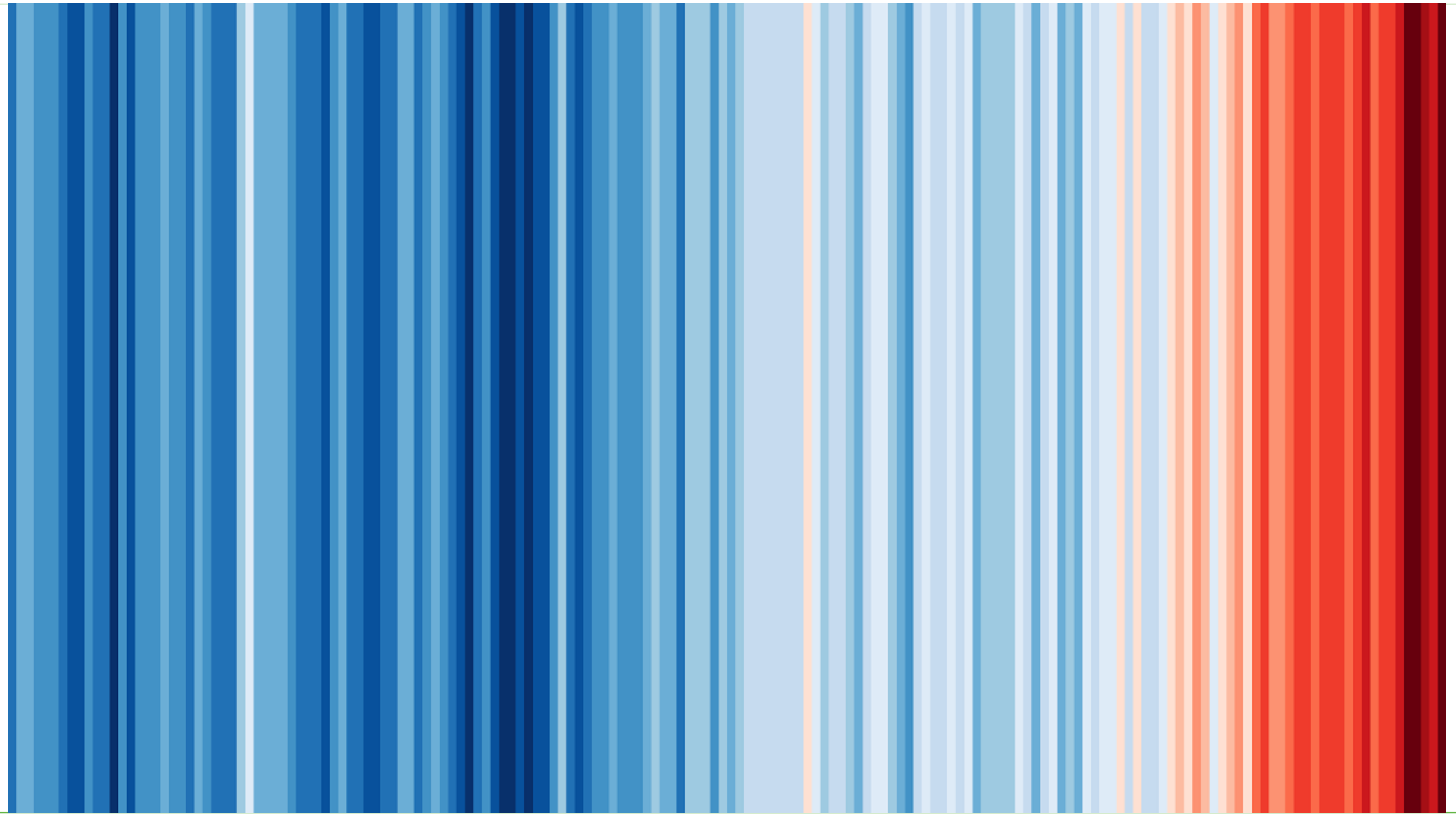

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Portfolio-wide value & Market legislation

"With buildings being responsible for approximately **40% of energy consumption** and **36% of CO2 emissions** in the EU[1] , the relevance of Sustainable Finance Disclosure Regulation (SFDR) to the real estate sector is indisputable"[1]

"Of these emissions, **approximately 70% are produced by building operations**, while the remaining 30% comes from construction. ...Property owners may need to make investments to meet new energy efficiency standards to avoid restrictions on renting or sales." [2]


Forbes

40% Of Emissions Come From Real Estate; Here's How The Sector Can Decarbonize

David Carlin Contributor
Helping you to understand and thrive in our changing world

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Apr 5, 2022, 11:14am EDT

[1] Deloitte: ESG Real Estate Insights 2021 | Article #1 Sustainable Finance Disclosure Regulation (SFDR) in the Real Estate Industry from European Commission: New rules for greener and smarter buildings will increase quality of life for all Europeans, April 2019.

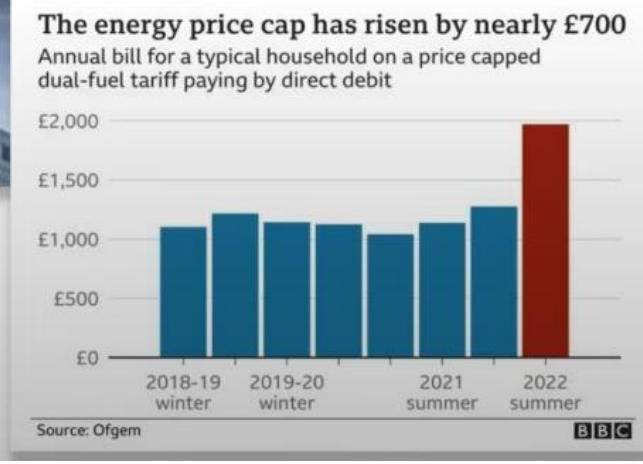
[2] Forbes: 40% Of Emissions Come From Real Estate; Here's How The Sector Can Decarbonize

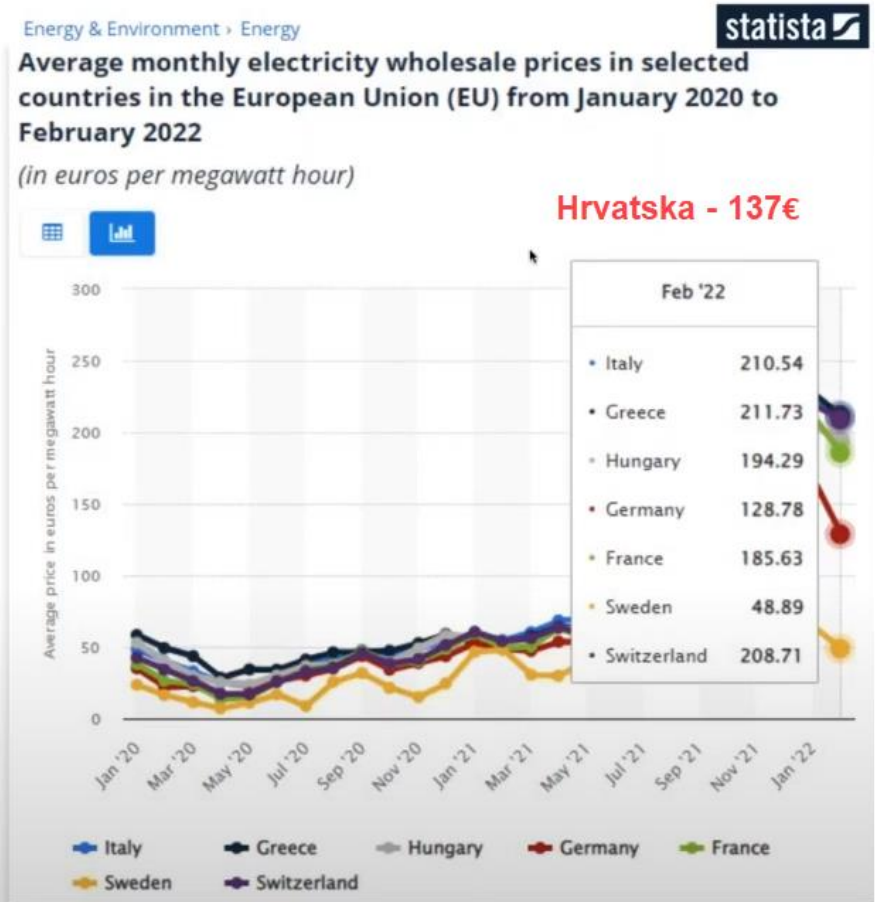
Energy Prices + geopolitical impact

Citi: Soaring Energy Bills Raise Chances Of Windfall Taxes In Europe

By Charles Kennedy - May 23, 2022, 11:00 AM CDT

- Gas and electricity bills in Europe could jump to 4.5 percent of household disposable income in 2023.
- Rising utility bills raise pressure on politicians to implement windfall tax.
- Rising energy commodity prices weigh most on Eastern European countries.





Understand energy consumption: data as the new gold

Global Agenda | SDG 13: Climate Action | Corporate Governance | ESG

The No. 1 ESG challenge organizations face: data

Here's how companies can develop a strong ESG program and reporting underpinned by data. Image: Andreas Gücklhorn on Unsplash

28 Oct 2021

Matt DiGuiseppe
Vice President of Research & ESG, Diligent Corporation

UpLink - Take Action for the SDGs

This article is part of the Forum COP26 Live

- Integration of ongoing, real-time data is key to meeting ESG commitments.
- Just 9% of surveyed companies are actively using software that supports data collection, analysis and reporting on ESG.
- Corporations can develop a strong ESG program underpinned by data – here's how.

"**Just 9%** of surveyed companies are actively **using software that supports data collection**, analysis and reporting on ESG"[3]

[3] World Economic Forum: The No. 1 ESG challenge organizations face: data.

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DEXMA

Energy intelligence software for organisations facing climate change

Image © Ed Hawkins (University of Reading)

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The **energy intelligence** journey with DEXMA

Analyse consumption and evaluate **savings** with **real-time** energy data

Energy efficiency **awareness**

Increase your energy efficiency performance

Detect your energy efficiency **potential** and and get **recommendations**

24/7 **automated** & proactive AI based energy management

DEXMA **ANALYSE**

Wherever the data it is, we integrate it

+500 native integrations

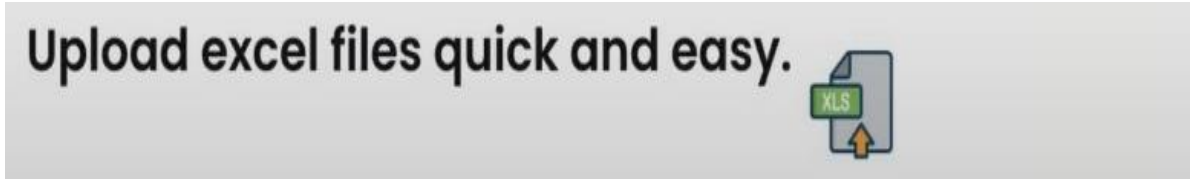
From 50 different vendors, and counting. Our expertise in integrations helps us get data from everywhere

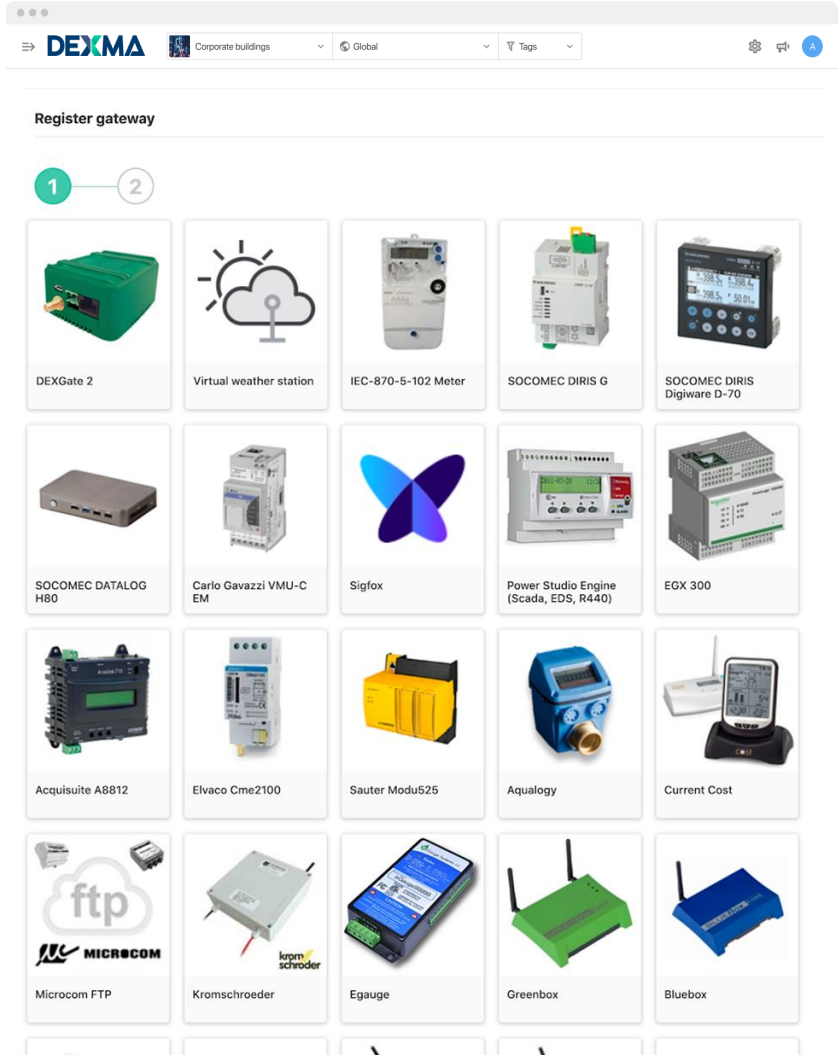
No programming, just configuring

Just pick your hardware box from the list and add a few details. Data will be gathered in real-time

Create your own devices with formulas

Can't monitor everything? No worries, operate with your variables to create virtual devices





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The real-time monitoring platform

Understand your consumption patterns

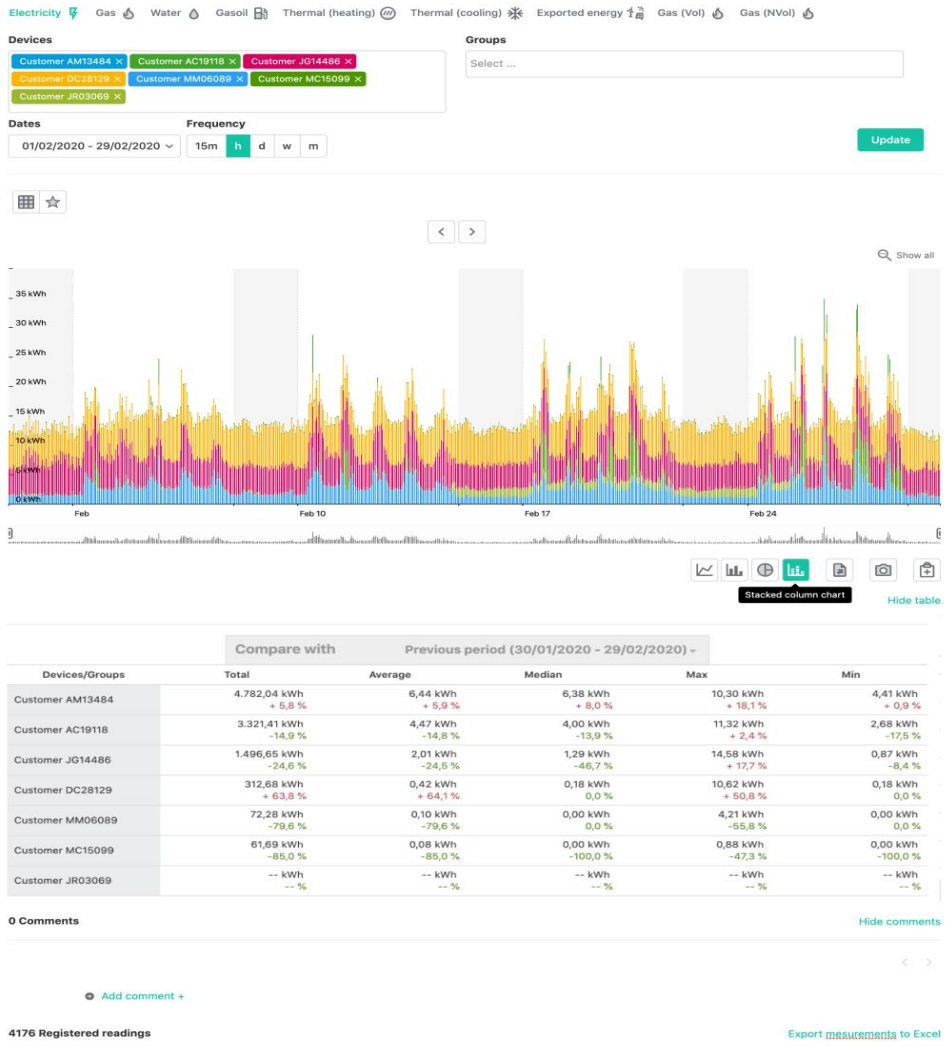
Get real-time data from your meters and IoT sensors deployed to “view” how you consume

Every energy source, and weather too

Not only electricity, but gas, water, thermal energy, etc. and +100,000 virtual weather stations available

With your own brand and soul

Boost your team engagement offering the best user experience in a fully-branded platform



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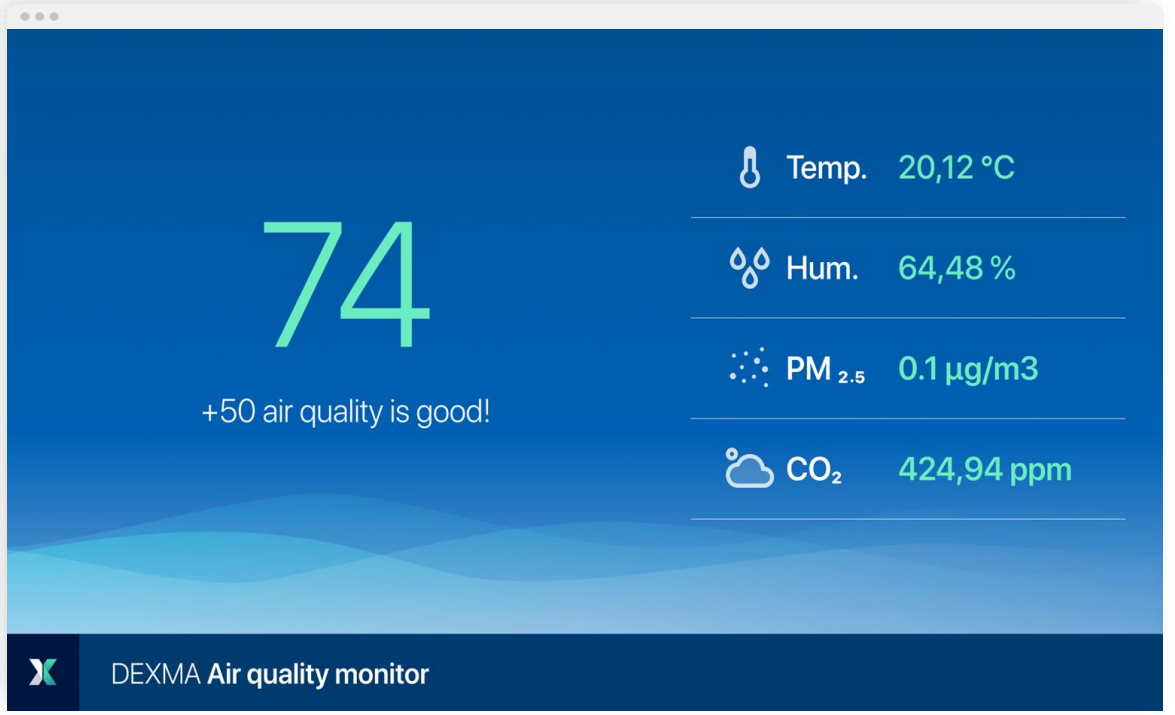
A new wave for Indoor Air Quality



Ensure air quality is good

Use DEXMA's monitoring capabilities to monitor IAQ and track CO2, VOCs, PM levels, etc.

Combine IAQ + Energy data

Monitor HVAC parameters together with IAQ to detect inefficiencies in ventilation processes

Show them you care

Having a healthy working environment help your team to be more productive.

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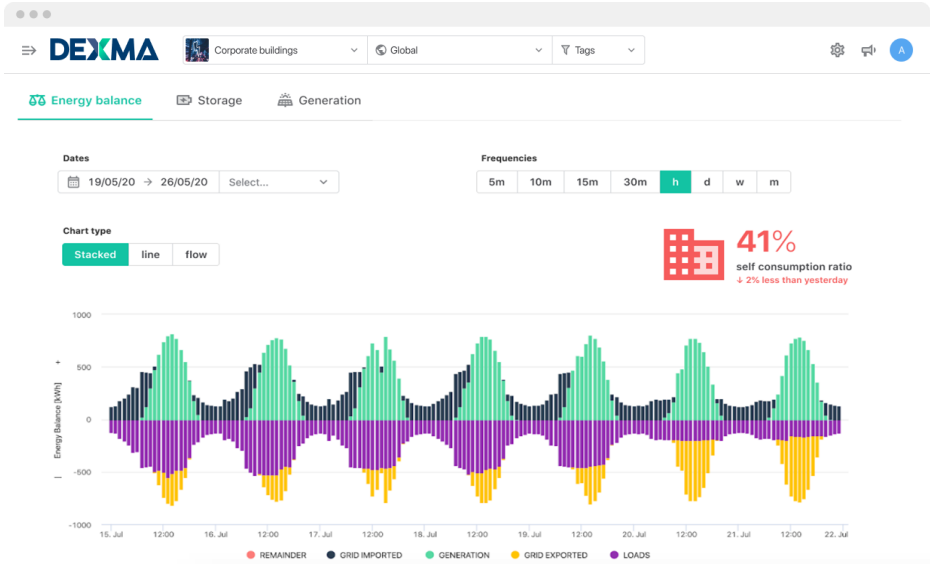
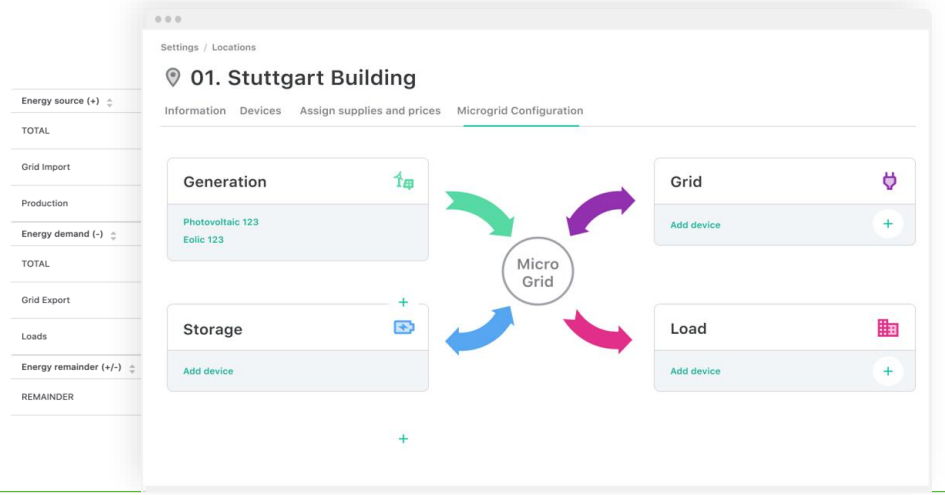
We all know that renewables matter





Analyse how renewable assets impact your bill

Easily **track carbon** impact for reporting, energy savings & avoided cost from PV

Seamless green energy balance analytics

Energy production, consumption, grid & storage - all together in one platform

Specific PV features

Track the performance ratio, production dashboards, gather data from PV inverters...

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DEXMA **ANALYSE**

Fully charge with EV-mobility

New EV chargers in the building?

Monitor all your point of consumption, including EV chargers in the same platform.

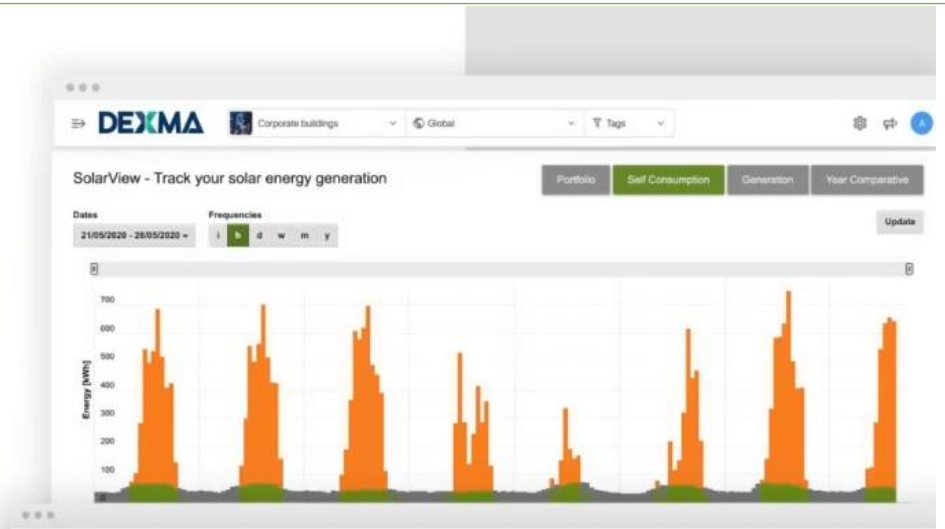
Make visible valuable info about EV

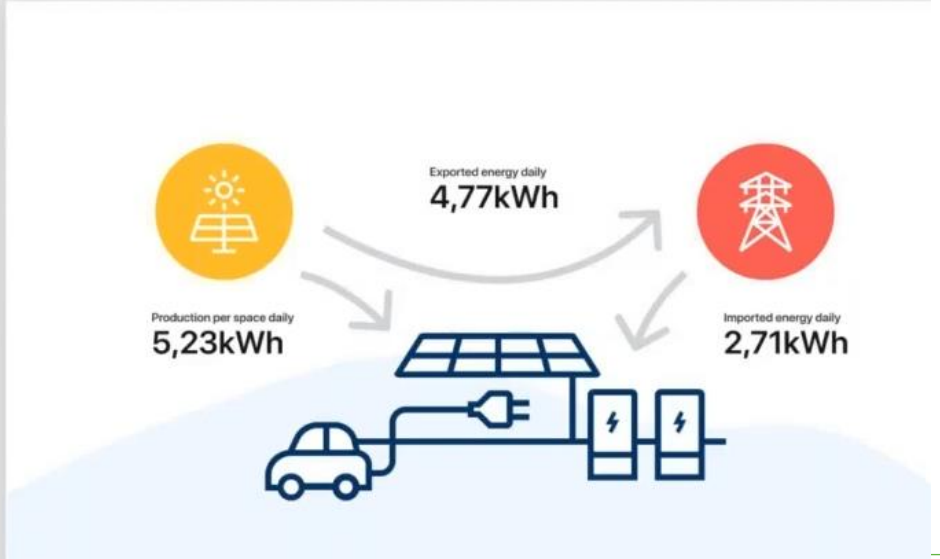
Complete your reporting with data from EV chargers including updated information about EV retrofits in your assets.

Easily integrate your EV apps

Use the DEXMA API to integrate your energy data into the third-party EV smart charger application of your choice.

Focus where to invest — Capture data, Monitor & Report — Maintain & Improve





DEXMA **ANALYSE**

Emissions Management Tool box

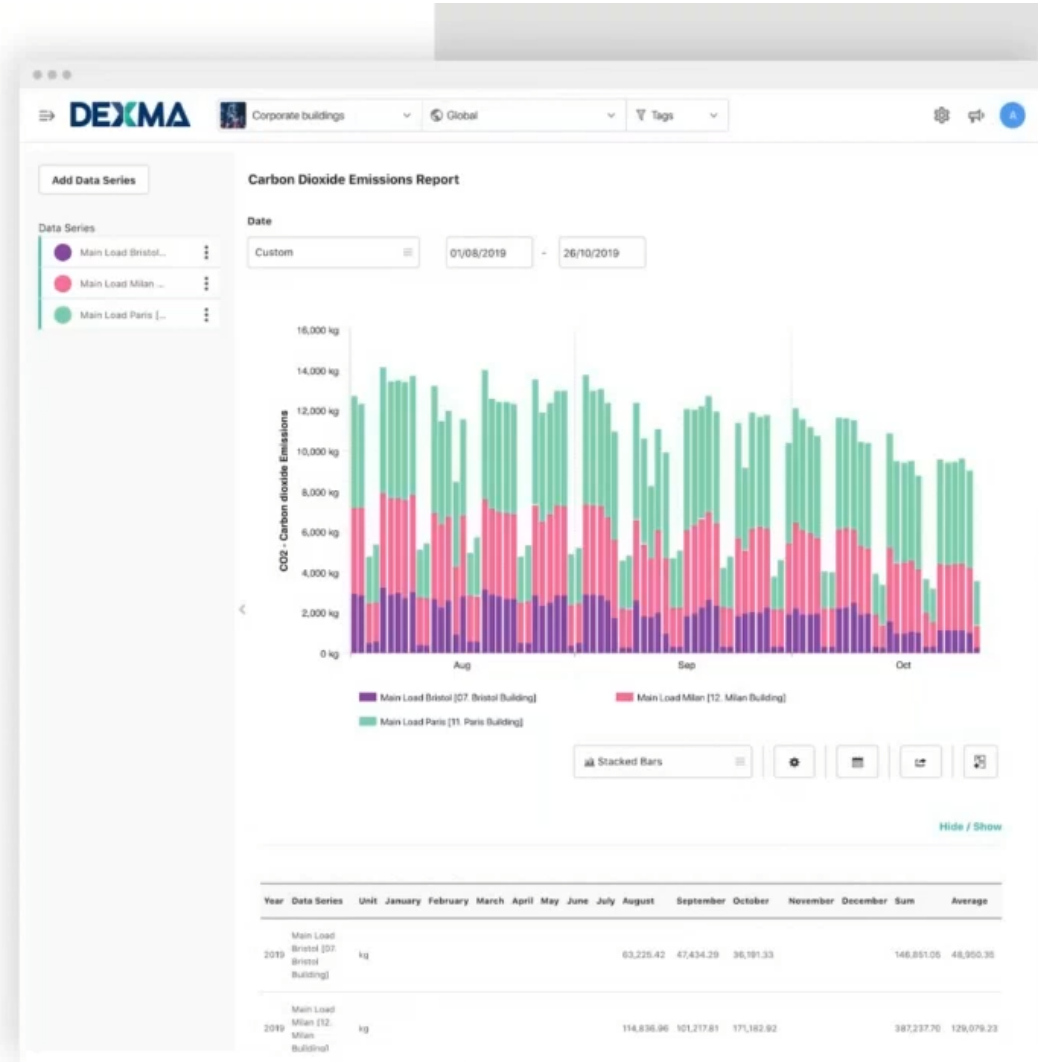
Track and calculate direct and indirect emissions for scope 1, 2 & 3

Track your consumptions as well as your business travel, procurement, waste and water.

Use your local conversion factors to calculate emissions.

Automate the carbon emission reporting by site or group of sites

Aggregate emissions, calculate daily, monthly and yearly emission at site and at portfolio level.



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Carbon reduction pathways

Monitor your carbon risk

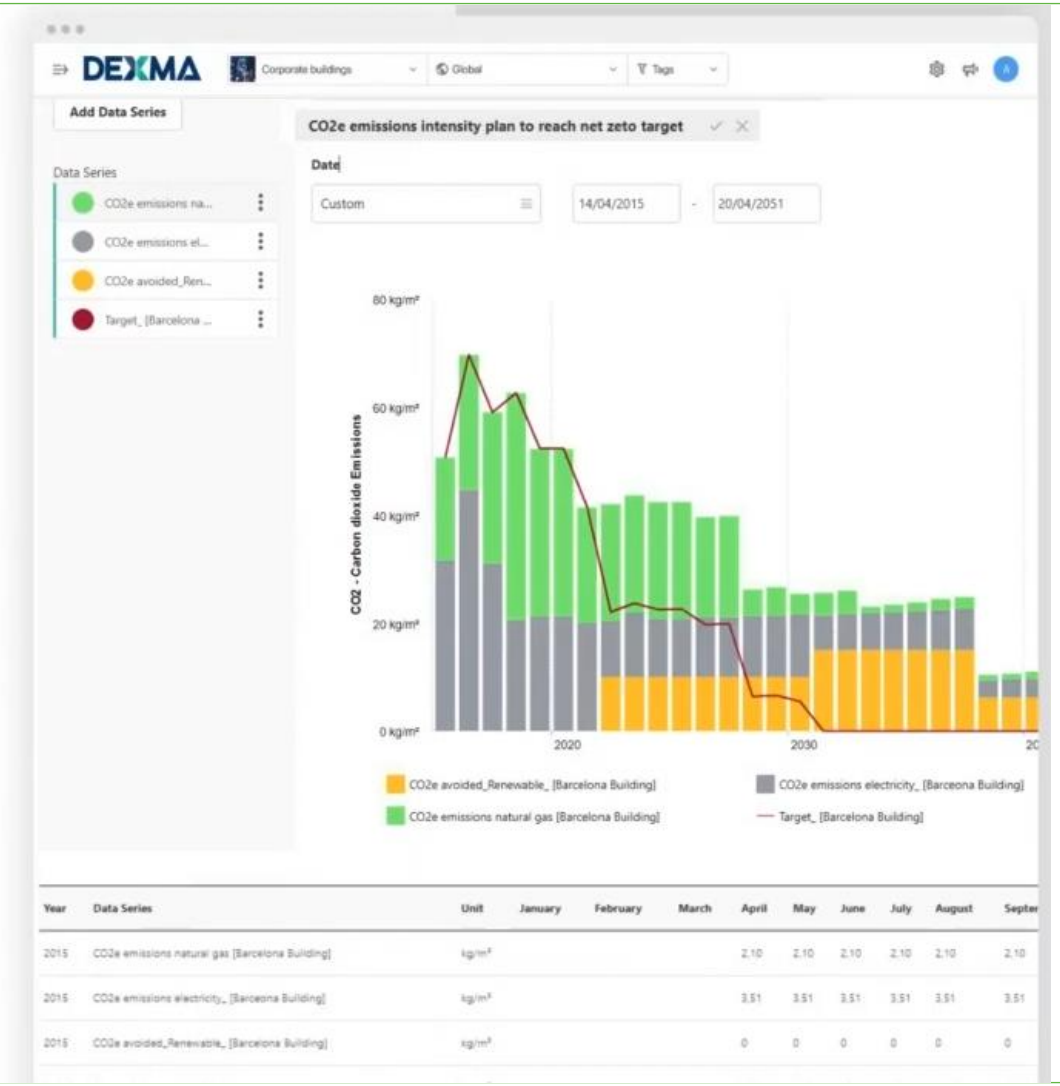
Automate carbon emission intensity reporting by site or group of sites. Aggregate emission intensity at site and at portfolio level.

Benchmark your carbon footprint

Compare carbon intensity across your portfolio.

Set GHG and energy efficiency targets and monitor your real performance

Automate targets tracking with Measurement and Verification projects at site and portfolio level



DEXMA **ANALYSE**

Streamline multiscope reporting

Pick the data and get the report

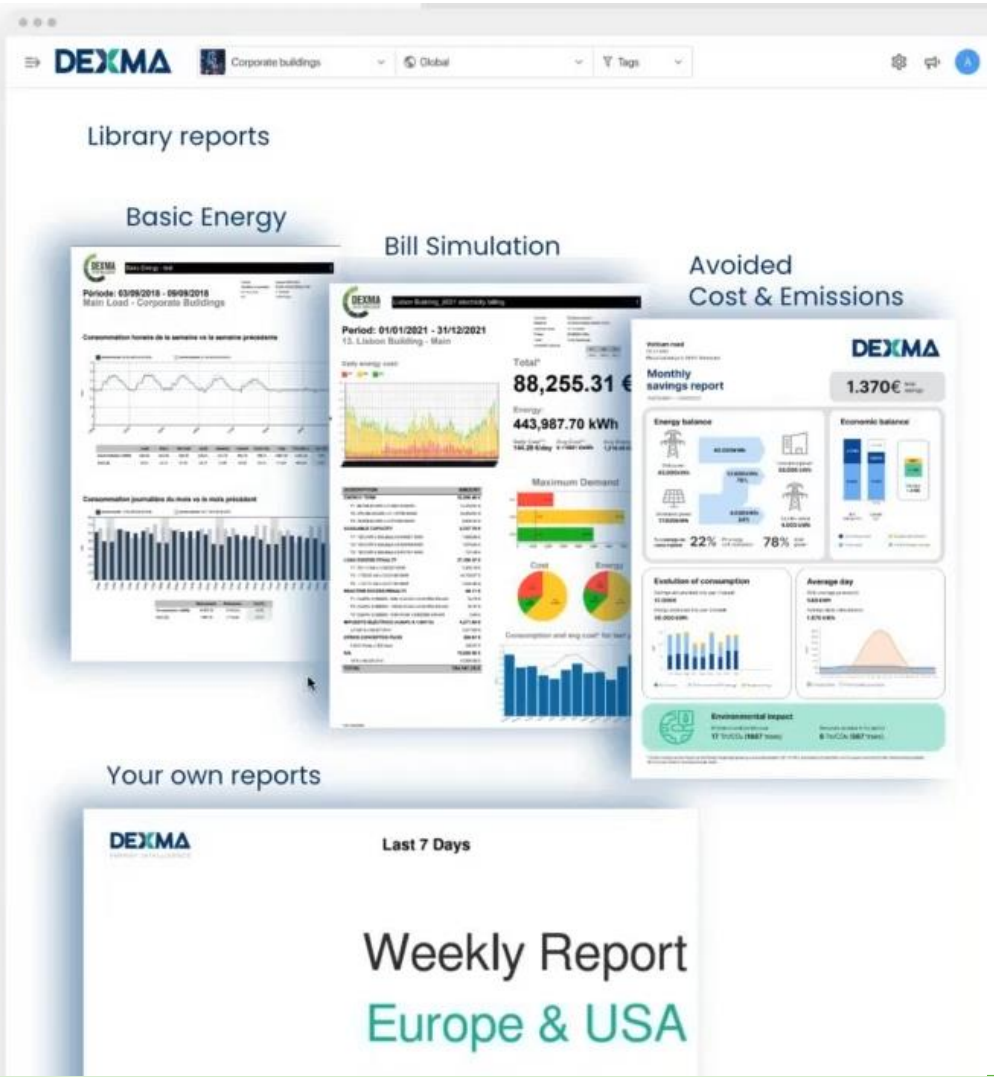
Create and share reports via PDF, Excel or CSV file

Choose a report from the library

Try out more than 10 predefined report templates to tackle each stakeholder's interests, ie: cost & energy, bill simulations, M&V projects summary...

Not enough? Create your own custom reports

Be able to fully personalize the way you show the energy management outcomes of your portfolio at every level



DEXMA **OPTIMISE**

24/7 automated anomaly detection

Artificial intelligence at service

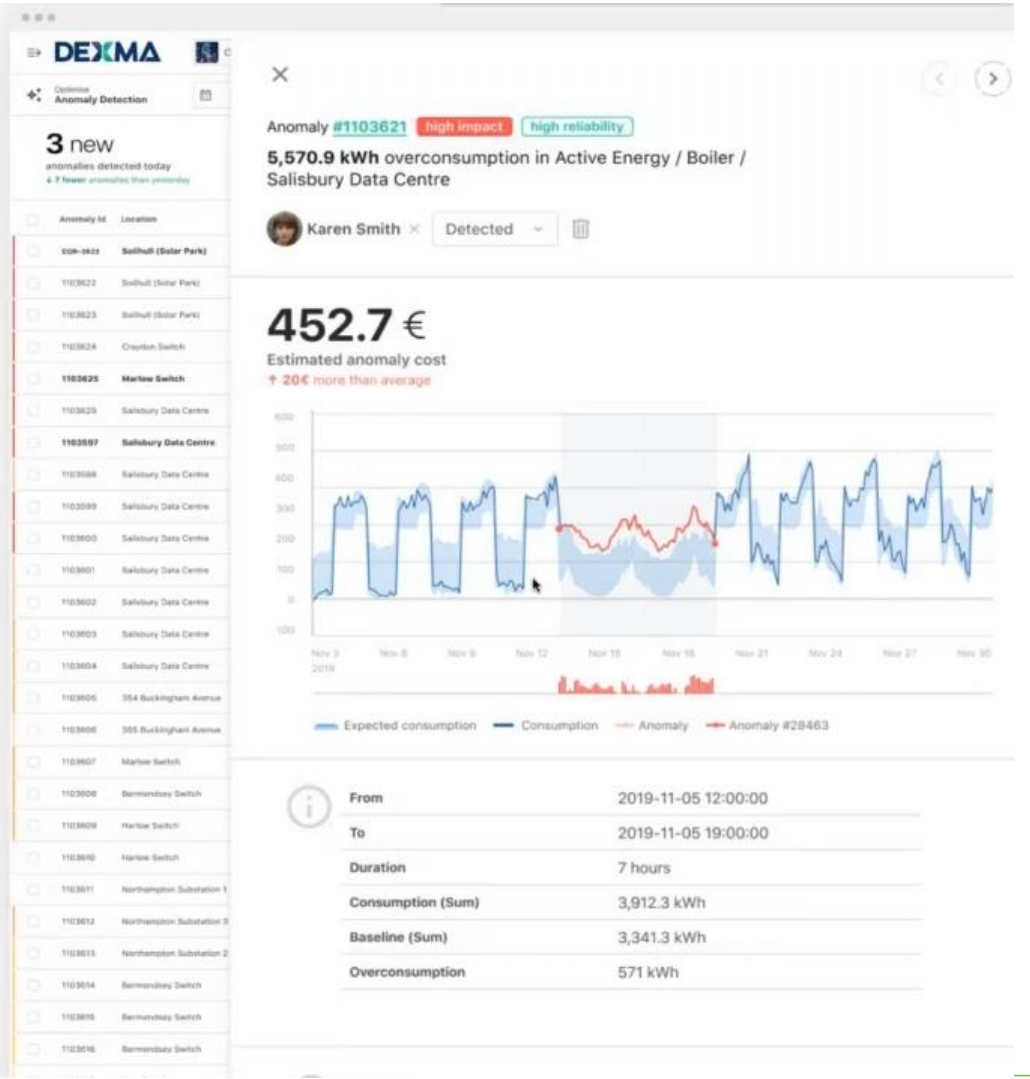
Have a virtual energy managers troupe detecting anomalies. No holidays, no out hours.

Focus on what matters most

AI analyses the data so yours teams can invest their time on decisions and solving problems

Use smart meters in the smart way

Take advantage of smart meter data to deliver useful insights not only huge amounts of data.



DEXMA **OPTIMISE**

From a reactive to a proactive mode

Local weather and calendar

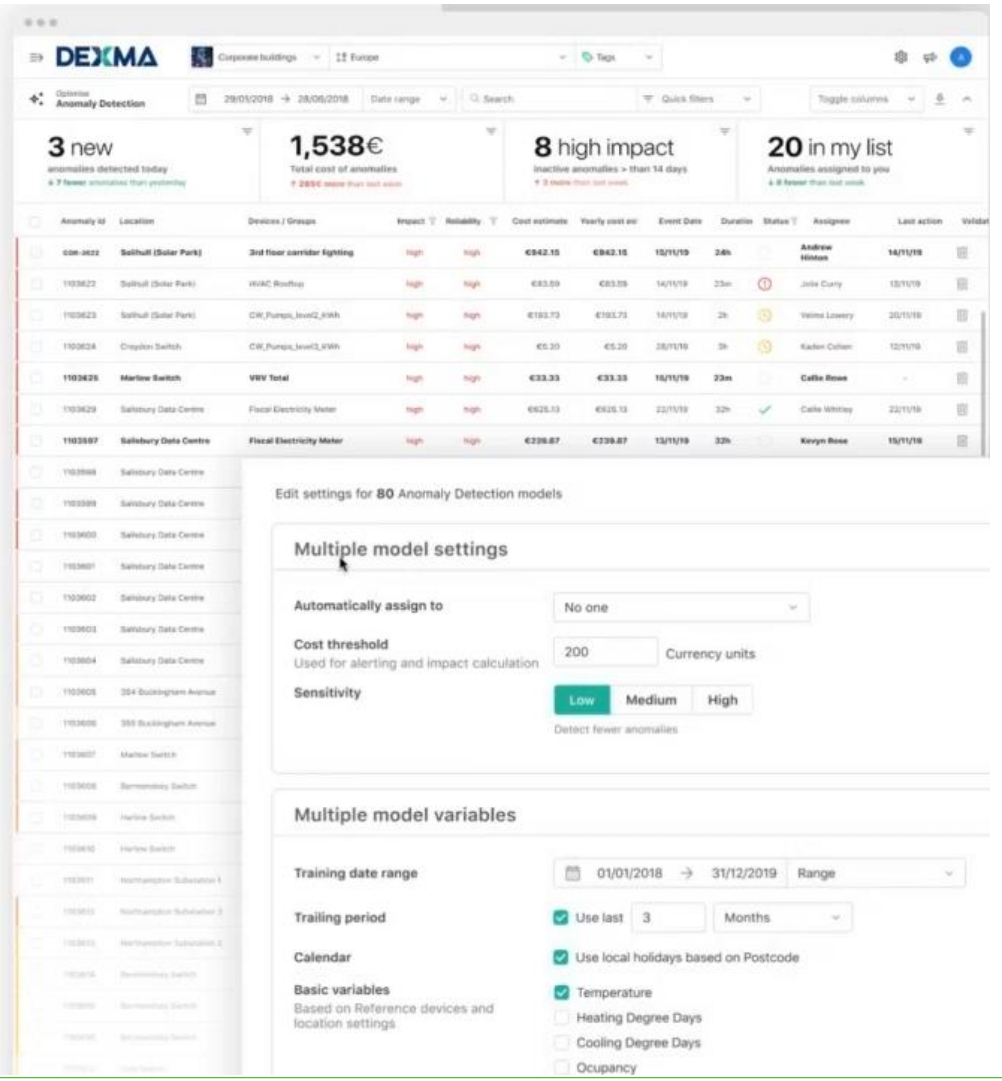
Algorithms automatically adjust their outputs based on local holidays and clima.

Learn from your historical data

AI Algorithms learn from your consumption behaviours and previous anomalies

Proactively avoid over consumptions and emissions

Use data and technology to optimise your consumptions and lower emissions.



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DEXMA DETECT

First step in the energy efficiency adventure

Evaluate energy savings potential

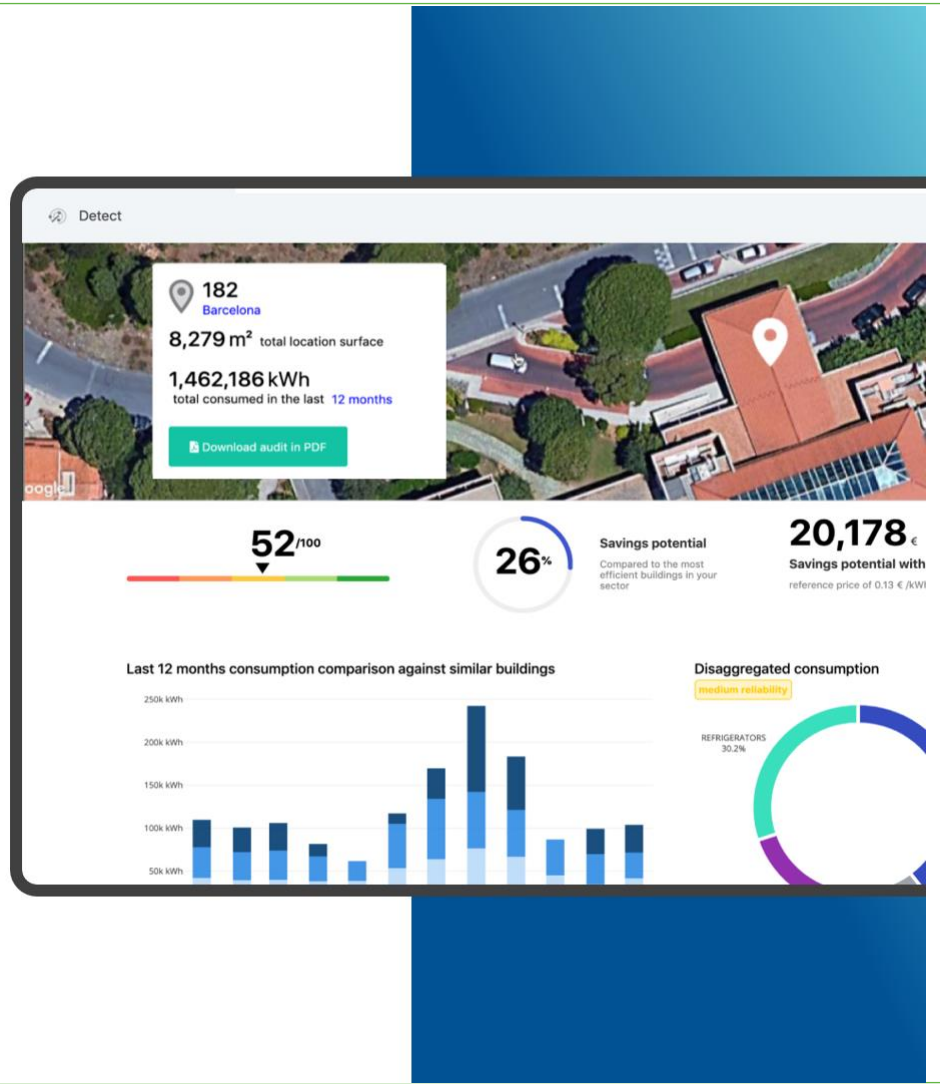
Use monthly bills or smart meter data to evaluate your portfolio potential with no CAPEX

Get tailored recommendations

Get a list of specific recommendations, from HVAC to solar PV to improve your energy efficiency

Prepare your investment plan

Use the financial metrics reported to prepare your investment plan in energy efficiency



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Comprehensive real-time analytics

The real-time monitoring platform

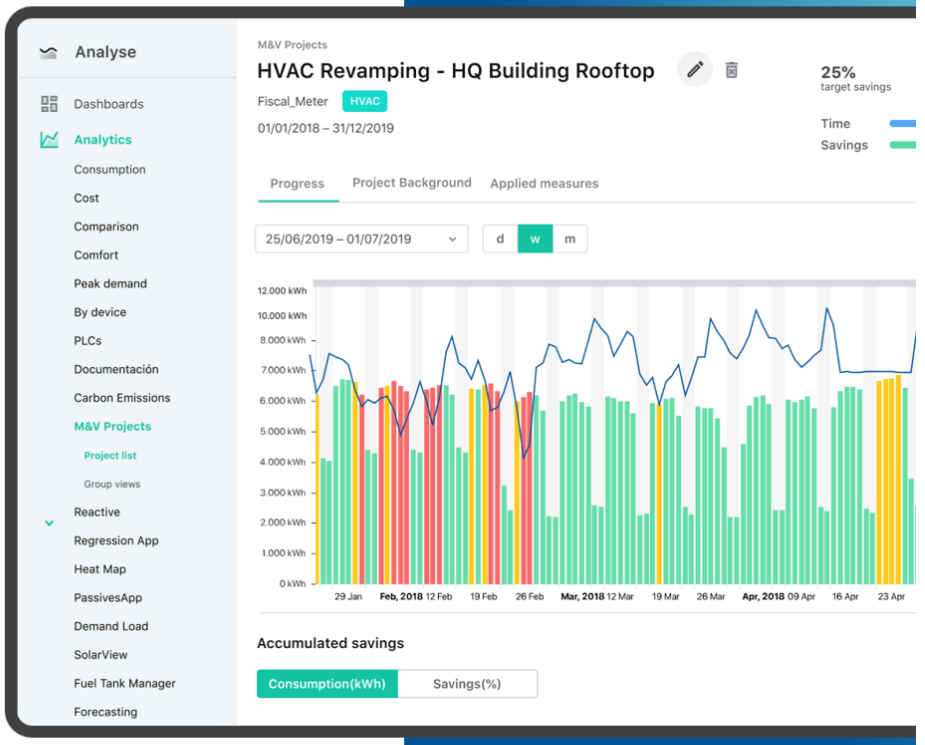
Help your customers be more efficient and competitive by understanding their performance

A complete toolbox for advanced analytics

+50 different analysis screens for every insight

Measure & verify achieved savings

Calculate baselines and track energy efficiency



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Analyze all your data, automatically

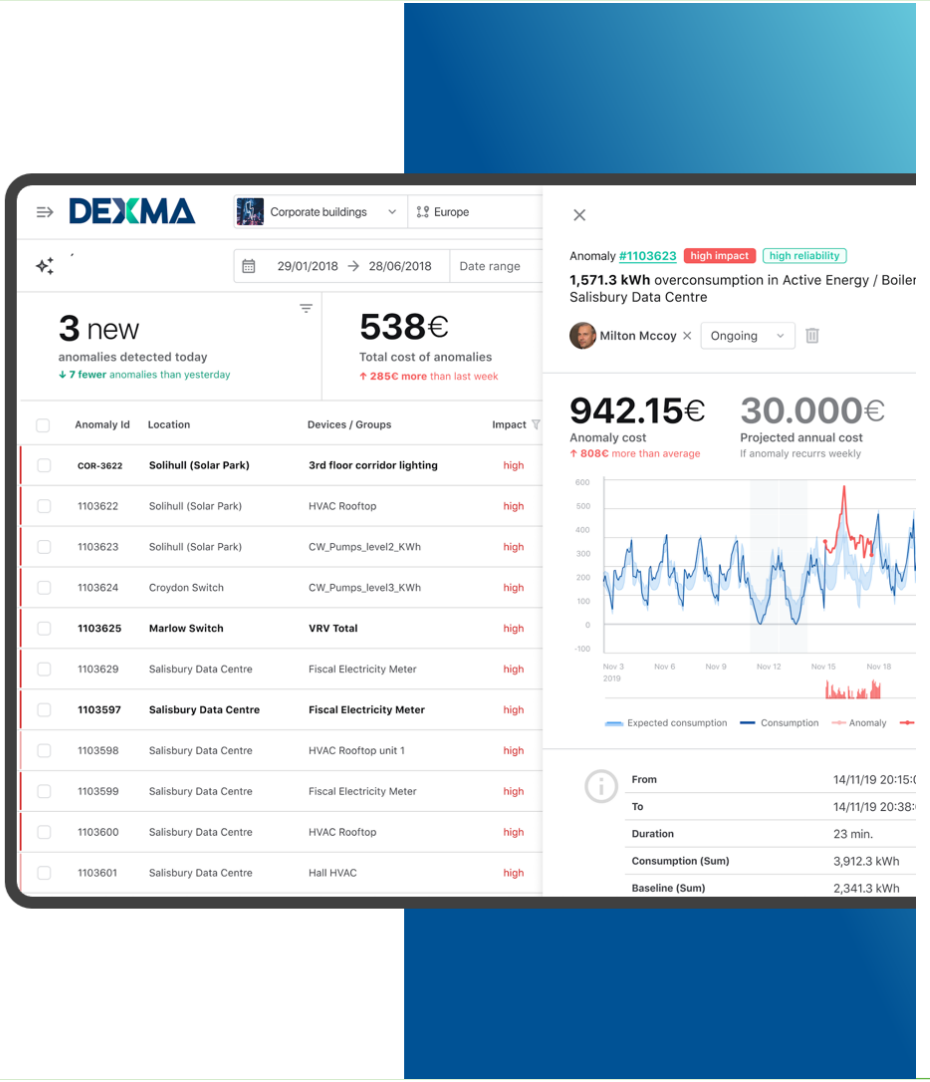
Artificial intelligence is always detecting anomalies for you. No holidays, no work hours

Focus on decisions

AI analyses the data so your team can invest their time on decisions and solving problems

Track each anomaly's story

Add comments and get traceability from anomaly creation until its fixture. Team work!



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