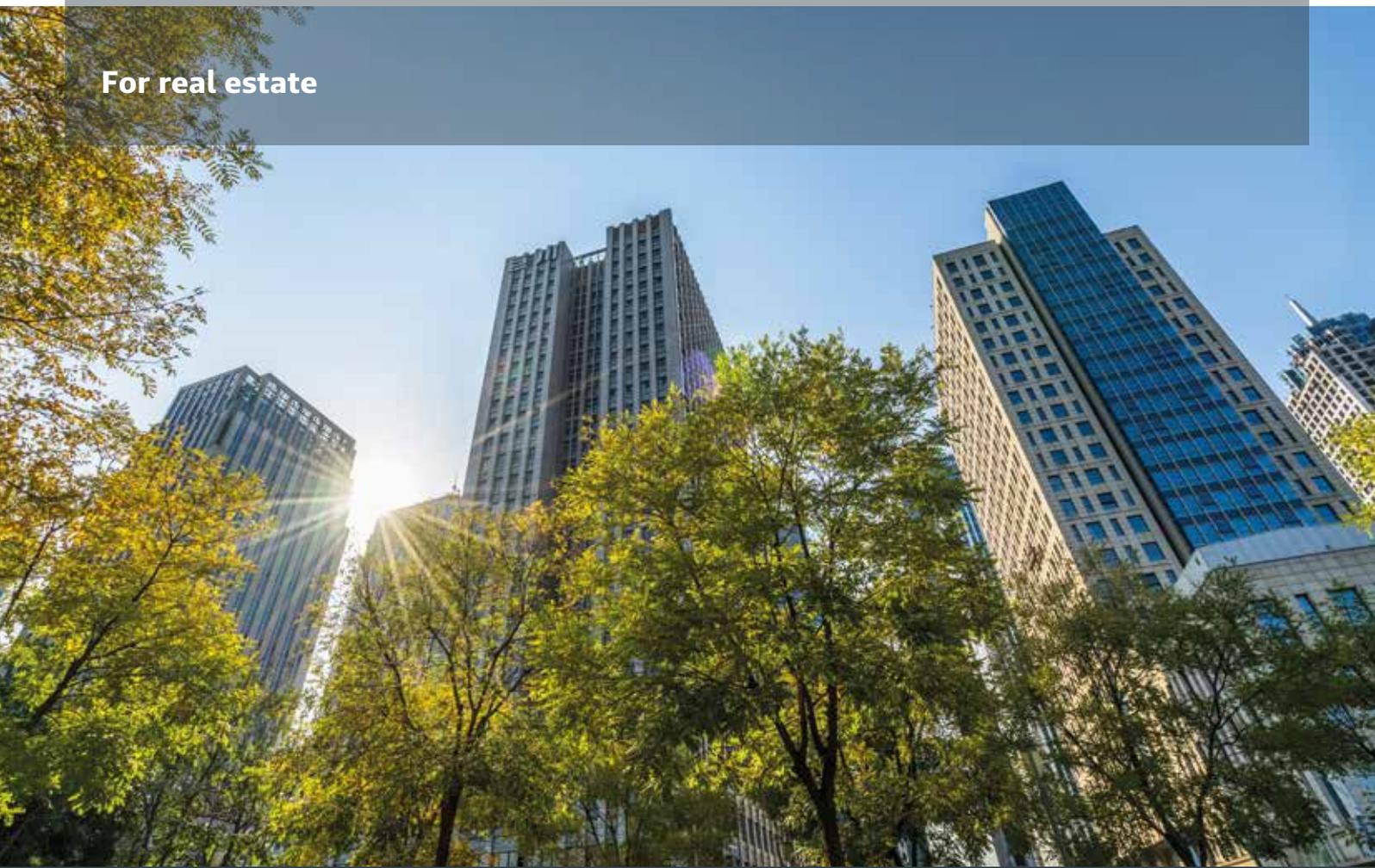


Energy optimization, green building certifications and indoor air quality improvement

For real estate





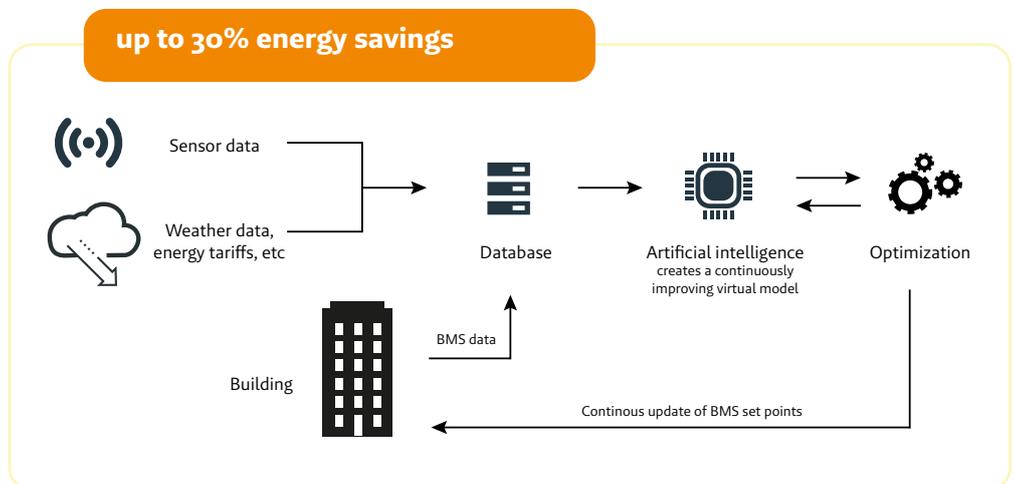
Energy optimization

To achieve sustainability goals, it is imperative that we focus on improving the energy efficiency of existing buildings. However, the majority of these buildings are equipped with outdated building management systems (BMS). Nordic Propeye offers a smart solution that leverages the existing building infrastructure, integrating seamlessly with your current BMS. In cases where additional sensor devices are required, our team installs them as necessary. Our advanced HVAC control system optimizes energy consumption every 15 minutes, taking into account real-time electricity price fluctuations, air quality data, and other relevant factors. This ensures that your building operates efficiently and sustainably, helping you meet your environmental targets.

- **Up to 30% energy savings**
- **Improved indoor climate**
- **20-40% reduced carbon footprint**



Nordic Propeye installs a BMS optimization system developed by Sweden-based Myrspoven. Myrspoven and Nordic Propeye have a long partnership together in which they've pioneered energy savings solutions based on IoT and AI technology.



OY1210 LoRaWAN® CO2 meter

Our OY1210 LoRaWAN® CO2 meter is a wireless sensor device that measures carbon dioxide every minute, and reports the data every 20th minute. However, when carbon dioxide measurement levels exceed a threshold, the device reports the value directly. This allows for quick control of ventilation systems, to ensure the best indoor air quality possible, while at the same time allowing for the device's minimum battery life of 5 years in even the worst radio conditions.



Green building certifications

Rather than constructing new properties, upgrading existing buildings is key to meeting sustainability goals. Achieving green building certifications can significantly increase property value and demonstrate a commitment to ESG goals. Nordic Propeye supports the certification process with unique sensor devices that contribute to the points system of several authorities. Our technology provides accurate data on energy consumption and indoor air quality, helping to improve building sustainability. Upgrade with Nordic Propeye and showcase your company's leadership in environmental sustainability.

- **Grow property value**
- **ESG Leadership**
- **Reduce interest rates**



OY1600 LoRaWAN®
Smart floor drain



Our smart floor drain detects the most common bathroom leakages. In Sweden alone, water damages in buildings amount to more than half a billion EUR annually. This is a big problem for real estate owners, insurance companies and tenants, who have to deal with the costs and reparation time. The most common problem in the bathroom is water leaking around the floor drain, either because of a damage to the waterproofing seal or a faulty connection between the waterproofing seal and the floor drain. The smart floor drain detects these leakages and transmits an alarm signal to the internet via the wireless LoRaWAN® communications protocol.

The device is co-developed by Purus, experts in floor drains, and Nordic Propeye, experts in radio- and sensor technology.

Did you know that you can often get reduced interest rates on real estate loans if your real estate has a green building certification like LEED or BREEAM? This allows for a quick ROI on the costs for the sensor solution installations.

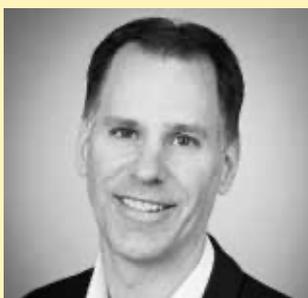


Why Nordic Propeye exists

More than 115 million buildings that are standing today in the EU alone, will remain in 2050. Rather than building new properties, existing buildings must be upgraded, to meet sustainability goals.

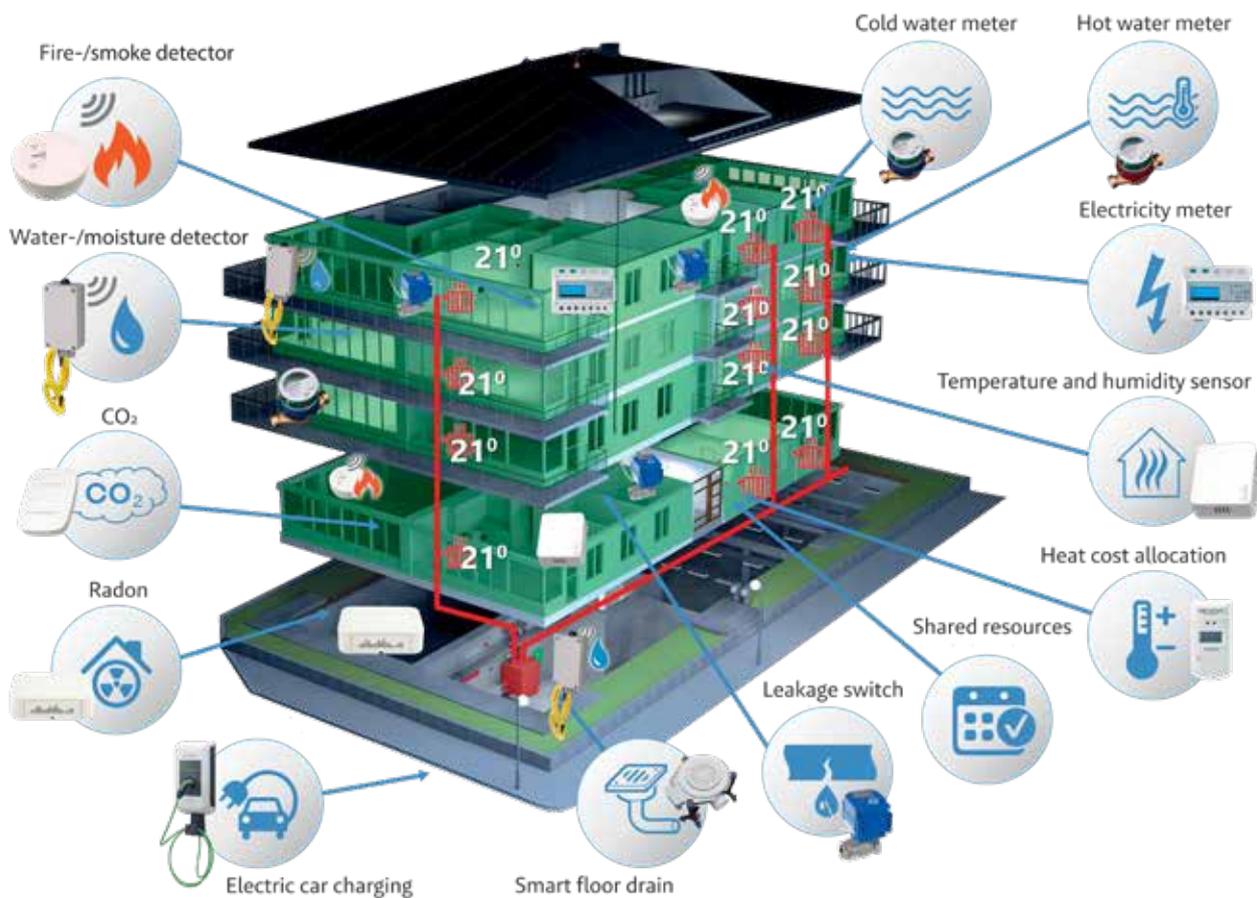
Energy savings and a reduction of a building's carbon footprint are critical from both a sustainability- as well as a financial perspective. At the same time however, indoor air quality can't be sacrificed. Air pollution is the biggest environmental risk to health in the European Union, according to the WHO. Each year in the EU, it causes about 400 000 premature deaths, and hundreds of billions of euro in health-related external costs.

This is a great challenge for real estate owners, but also an opportunity. By adopting modern technology, property value can be greatly increased and operational expenses reduced, while simultaneously the indoor air quality is increased.



“Radon is responsible for about 2% of cancer deaths in Europe. Our OY1500 LoRaWAN® Radon gas sensor enables demand-driven control of ventilation, creating a safe indoor environment.”

Stefan Lindgren, CTO at Nordic Propeye.

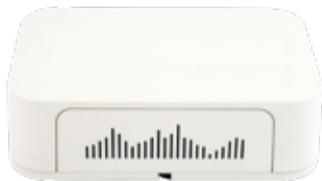


A modern, smart building is fully connected with sensors that optimize heating, ventilation and cooling, automate utility invoicing to tenants, prevent building damages and much more. Upgrade your existing real estate with our digitalization solutions that are extremely easy to install in existing buildings, using LoRaWAN® technology.

Nordic Propeye develops and manufactures high quality LoRaWAN® sensor devices in Sweden. This includes air quality sensors like radon gas-, carbon dioxide-, temperature-, humidity and particles sensors, but also smart meters for electricity and water, and building damage prevention sensors such as leakage detection sensors and a smart floor drain. The devices are easy to install and often wireless, have a high level of hardware based security and are using secure LoRaWAN® networks, and have a long usable lifetime.

Our solutions consist of sensor data, but also data analysis and integration with existing building management systems and other building intelligence systems. We enable our customers to use the data, without any vendor lock-in or data silos.

Nordic Propeye sensor solutions:



OY1500 LoRaWAN® radon sensors



OY1600 LoRaWAN® smart floor drains



OY1110 LoRaWAN® temperature and humidity sensors



OY1400 LoRaWAN® water leakage sensors



OY1210 LoRaWAN® CO2 sensors



OY1310 LoRaWAN® water meters



LoRaWAN® electricity meters

Explore our full sensor portfolio on our website
<https://nordicpropeye.com/product-category/lorawan-sensors/>

Contact

sales@propeye.se

+46 72 341 7551

Stockholm

visiting address only
Västgötagatan 1, 6th floor
118 27 Stockholm
Sweden

Gävle

Hasselgatan 11
802 62 Gävle
Sweden

Göteborg

Östergatan 11
434 30 Kungälv
Sweden