



Building Automation

Self-powered wireless sensors from EnOcean cut the cost and time of installation and enable efficient use of energy

Architects, contractors, and property owners are constantly faced with new challenges. These include increasing demands for greater convenience, as well as stringent political directives such as the "EU Building Directive" in Europe or the "Cal Title 24" in America. Whether undertaking new construction or remodelling, it is advisable to consider a combined "Intelligent Green Building" concept.

EnOcean is the key to the "Intelligent Green Building"

- **Building automation** optimizes energy savings and reduces operating costs by lowering total cost of ownership. Furthermore, it enhances security, protection and convenience.
- **Wireless radio technology** is essential to the success of building automation. It permits the required number, functionality and flexibility of the necessary sensors. [Radio technology](#) minimizes installation times and reduces system costs.
- **No battery** requirement is mandatory for larger installations. The cost to monitor, replace and recycle batteries increases with the number of installed nodes. [Battery-free EnOcean radio solutions](#) are eco-friendly, comply with the principles of building biology, and save key resources.

Advantages at a glance

- Energy savings
- Flexibility of the applications
- Time-savings
- Maintenance-free
- Ecological compatibility
- Reduced fire risk and inductive fields
- Cost-savings

Applications "Enabled by EnOcean"

- [Lighting](#)
- [Shading](#)
- [Presence detection](#)
- [Window monitoring](#)
- [Room temperature sensing](#)
- [Measured data acquisition](#)
- [Subsystem in building services management \(e.g. LON, KNX\)](#)