



→ The wireless standard for sustainable buildings



**enocean<sup>®</sup>alliance**

No Wires. No Batteries. No Limits.

## → The EnOcean Alliance

The EnOcean Alliance is a consortium of companies dedicated to the advancement of self-powered interoperable wireless building control systems. Alliance innovations create interoperable standard solutions helping to make buildings more energy-efficient, flexible and cost-effective. The EnOcean Alliance has the largest installed base of field-proven wireless building automation networks in the world.



### INTEROPERABLE WIRELESS STANDARD

**Interoperable technology and products.** HVAC&R, monitoring and lighting control systems are readily available and wide-ranging product portfolio exists, based on an interoperable standard technology together with interfaces to established automation solutions such as LON, EIB/KNX and TCP/IP.

### SELF-POWERED

**Energy Harvesting.** EnOcean Alliance solutions make use of energy created from slight changes in motion, pressure, light, temperature or vibration. The self-powered wireless sensors help make buildings smarter, safer, more comfortable and more energy-efficient.

**No batteries.** Product manufacturers, building professionals and end-users can now realize the promise of battery-less and wire-free control systems. Because they are anchored by self-powered sensors and switches, EnOcean-enabled buildings are more flexible and cost-efficient to design, build and operate.

### PROVEN TECHNOLOGY FOR SUSTAINABLE BUILDINGS

**Tried, tested and true.** EnOcean-enabled wireless networks have been installed in 10,000s of buildings; making it the most pervasive and field-tested wireless building automation standard in the world.

**The wireless standard for sustainable building.** From retrofitting older structures to designing new buildings, the EnOcean Alliance is empowering the imagination and energizing creativity; helping to make sustainable buildings a reality.

# No Limits

## Torre Espacio, Madrid, Spain

The world's tallest, wireless sensor-automated building is home to 4,200 EnOcean-interoperable controls.

### → NO WIRES

- ✓ Less cable (20 miles less than comparable wired strategy)
- ✓ Less copper (1.3 tons, saving 5 tons of CO<sub>2</sub>)
- ✓ Less PVC (3.0 tons, saving 8 tons of CO<sub>2</sub>)

### → NO BATTERIES

- ✓ Savings of 42,000 batteries (over 25 years)
- ✓ Less toxic chemical waste
- ✓ No maintenance

### → NO LIMITS

- ✓ Unlimited flexibility
- ✓ Easy installation
- ✓ Cost savings in installation, maintenance, renovation and energy use
- ✓ Interoperable products from different EnOcean Alliance members can communicate with each other

## → Commercial buildings

No matter whether the goal is cost- and time-saving installation, building energy efficiency, certification to national or international energy conservation regulations, retrofitting without mess and disruption, flexibility of switch and sensor placement or building automation. EnOcean Alliance members have created multiple proven installations serving every kind of practical requirement.

## → Residential buildings

From the dream of no cables down walls, flexible placement of sensors and switches through increased safety, intelligent “cool” systems to reduction of electrosmog and cost-effective energy saving. EnOcean Alliance is providing simple and easy to use, interoperable monitoring and control systems in and around the home.

More building references:  
[www.enocean-alliance.org/references](http://www.enocean-alliance.org/references)

## → Your benefits

No wires, no batteries, no limits – EnOcean's award-winning standard technology and Alliance Members' interoperable products provide you with a simple, proven and maintenance-free solution to meet your every building requirement.

### → BUILDING PROFESSIONALS

- ✓ Flexibility
- ✓ Installation interoperability
- ✓ Simplicity
- ✓ Environmentally friendly

### → PRODUCT MANUFACTURERS (OEMs)

- ✓ Simple development
- ✓ Interoperability
- ✓ Greater market potential

### → BUILDING OWNERS, FACILITY MANAGERS, PRIVATE CONSUMERS

- ✓ Energy savings
- ✓ Cost benefits
- ✓ Flexibility and comfort
- ✓ Simplicity

## Contact

Become part of the leading wireless standard for sustainable buildings.

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