



50+ EMPLOYEES WORLDWIDE
100,000+ BUILDINGS WORLDWIDE
EMPLOYING ENOCEAN TECHNOLOGY
150+ CUSTOMERS SHIPPING 500+ PRODUCTS

- 2001 EnOcean founded by management and Siemens Technology Accelerator
- 2002 World's first energy harvesting wireless sensor introduced
- 2003 World's first energy harvesting wireless switch introduced
- 2003 World's first buildings commissioned with EnOcean technology
- 2003 Founding of US subsidiary EnOcean Inc.
- 2003 World's first buildings commissioned with EnOcean technology
- 2005 Founding of EnOcean Alliance
- 2005 Awarded "Technology Pioneer" by World Economic Forum
- 2006 Awarded "Technology Pioneer" by World Economic Forum
- 2006 Founding of EnOcean Alliance
- 2006 Awarded "Technology Pioneer" by World Economic Forum
- 2008 Founding of EnOcean Alliance
- 2008 Founding of EnOcean Alliance
- 2009 Ratification of interoperable EnOcean technology in Japan
- 2009 Approval of EnOcean technology in Japan
- 2009 Approval of EnOcean technology in Japan
- 2010 Dolphin platform introduced – 3rd generation EnOcean modules

Meet the inventor of energy harvesting wireless technology.

EnOcean. The name says everything – we're surrounded by oceans of energy. The term energy harvesting means collecting energy from our surroundings and using it to power sustainable operations. Motion, indoor light and differences in temperature suffice to power wireless transmissions that can turn on a light or lower a room's temperature. Or better yet, they can automatically turn lights off and set back temperatures when a room is empty. Meet EnOcean, the inventor of patented energy harvesting wireless technology.

Green. Smart. Wireless. A unique alliance.

EnOcean pushes technology and environmental responsibility to the limits. EnOcean modules combine micro-energy converters with ultra low power electronics and reliable wireless communications. This enables EnOcean customers to create self-powered wireless sensor solutions that are fundamental for efficiently managing energy in buildings and industrial applications.

“ Globalization, climate change and scarcity of resources are on top of the agenda nowadays. With our energy harvesting wireless technology, we contribute to efficient use of limited resources, while offering our customers the opportunity of going to market with a truly unique selling point.

Markus Brehler, CEO

Green. Smart. Wireless.



Green. Modeled after nature.

The idea for this innovative technology stems from a simple observation: oceans of energy exist in the same spaces that building sensors and controls are needed. Indoor light, motion and temperature differentials supply energy sufficient for powering building automation and energy management systems.

Instead of batteries, EnOcean uses micro-energy converters to supply power to wireless sensors, switches and controls. The technology enables a broad range of real-world applications that were virtually unimaginable just a few years ago. Integrators can install and forget sensors as they do a hardwired device; yet with flexibilities unique to wireless solutions (i. e. non-invasive installations, portability, scalability and adaptability to mutating floor plans). The resulting sensor networks are maintenance-free and yield measurable energy and cost savings.

In green buildings, integrators of EnOcean-enabled devices have the freedom of placing controls at their discretion for optimal efficiency and with minimal invasiveness to the structure. For example, installing occupancy sensors that turn off lights in vacant rooms can save up to 40 percent on energy and operating costs. This new battery-free environmental awareness benefits business budgets, as well as the natural world.

“

Just as we need our eyes and ears to detect information and navigate actions, intelligent systems need smart sensors to manage energy. EnOcean is a catalyst for detecting, transmitting and providing critical information from billions of sensor data points.

Andreas Schneider, Executive Vice President

”

Smart.

Wireless.

Green.

Smart. Inventive talent and engineering.

Developed specifically to be as simple as possible to use – the EnOcean modules provide straightforward integration and speedy innovation to OEMs in very different sectors.

EnOcean technology accelerates development and marketing of new wireless solutions for buildings and in industry. Standardized sensor profiles guarantee interoperability between different manufacturers and seamless system communications.

As a basic technology for building systems engineering, special-purpose sensors automate processes or simply serve as a wire substitute for controls of domestic appliances. EnOcean technology opens up entirely new possibilities for its OEMs and their customers.

What's smart about it – energy harvesting wireless modules from EnOcean come with application-ready software, plus it leaves ample customization space for OEMs to develop their own ideas and create their own innovative solutions.

“

Just as in nature, in technology too there's constant evolution. EnOcean is delivering a technology that's better suited to supplant the 'dinosaurs'.

”

Frank Schmidt, CTO

Wireless.

Green.

Smart.



Wireless. Globalization of a wireless signal.

EnOcean customers are located all over the world. The interoperable wireless standard of the EnOcean Alliance enables switches, gateways and sensors from different manufacturers to combine seamlessly.

The necessary sensor data is fed speedily and securely into a system. In contrast to other wireless systems like Bluetooth or RFID, only minute amounts of energy are needed to achieve a reliable wireless range of up to 30 meters (inside buildings, with radio signals passing through walls and ceilings).

In the world of automation, wireless and hardwired solutions aren't in conflict with each other; they complement one another. EnOcean wireless communicates with all major wired bus systems such as KNX, LON, BACnet or TCP/IP.



Regardless of what sector you're in, you want to steal the show with an innovative solution or revolutionary new product. With EnOcean energy harvesting wireless modules, it couldn't be easier. Flexible components enable integration of self-powered wireless technology in your application and are tailored according to your specific requirements – all contributing to fast time-to-market development.

We not only deliver the right wireless modules for forward-looking solutions, we also advise our customers in all matters of module integration. With EnOcean as your innovation partner you're in the winning lane from the very start. The principle is simple: **No batteries. No wires. No limits.**



Your success. Enabled by EnOcean.

Historical Buildings.
Schools.
Hospitals.
Industrial Buildings.
Office Buildings.
Residential Buildings.
Hotels.
Retail Buildings.
Buildings.



EnOcean Alliance. The wireless standard for sustainable buildings.

EnOcean not only represents a wireless technology that's unique worldwide. It also stands for a marketing concept that enables users to quickly win new markets.

Precisely for this reason and together with other pioneering customers – leading companies worldwide in the building automation sector founded the EnOcean Alliance. The Alliance was formed to establish innovative automation solutions for sustainable building projects; and to make buildings more energy-efficient, more flexible and more cost-attractive.

At center of the Alliance are the energy harvesting and wireless technologies from EnOcean. The Alliance has set the goal of publicizing and standardizing the EnOcean wireless technology worldwide, and of ensuring interoperability of products from different manufacturers. Founded in 2008, the Alliance now counts more than 150 members throughout the world.

"As a partner from the early days, we soon saw the advantages of EnOcean's self-powered wireless technology, and have used it to put our business on an international footing. With the simply integrated wireless modules we've always been able to respond fast to the demands of customers and the market, for energy-efficient, comfortable and flexible solutions in building automation."

Harald Zygan, Managing Director,
Thermokon Sensortechnik

"Compared to other wireless communication solutions, EnOcean's unique combination of energy harvesting and wireless technology is embedded in standardized modules that are very simple to integrate into various switch designs. Not only do we benefit from the high level of functionality, but the technology also enables a faster time to market and reduced design risks. This, combined with the technology's existing success in Europe, made the cooperation an attractive proposition for MK."

Phil Daniell, Marketing Director of MK Electric (a Honeywell company)

"We welcome integration of EnOcean technology in the WeberHaus concept, especially because it implements a very high standard of building services management that results in appreciable value added."

Klaus-Dieter Schwendemann, Marketing Director, WeberHaus

EnOcean.

A revolutionary idea becomes a standard.



EnOcean wireless modules fit virtually anywhere.
Especially in your forward-looking solutions.

info@enocean.com

Phone +49.89.67 34 689-0

www.enocean.com

EnOcean GmbH
Kolpingring 18a
82041 Oberhaching/Munich
Germany

"There would be no Omnio without EnOcean. We banked on this fascinating technology from the very start, and it proved right. We made use of the opportunity to become a leading name in innovative building automation systems, and the market has fully substantiated this aim."

Christian Genter, Managing Director, Omnio



www.enocean.com