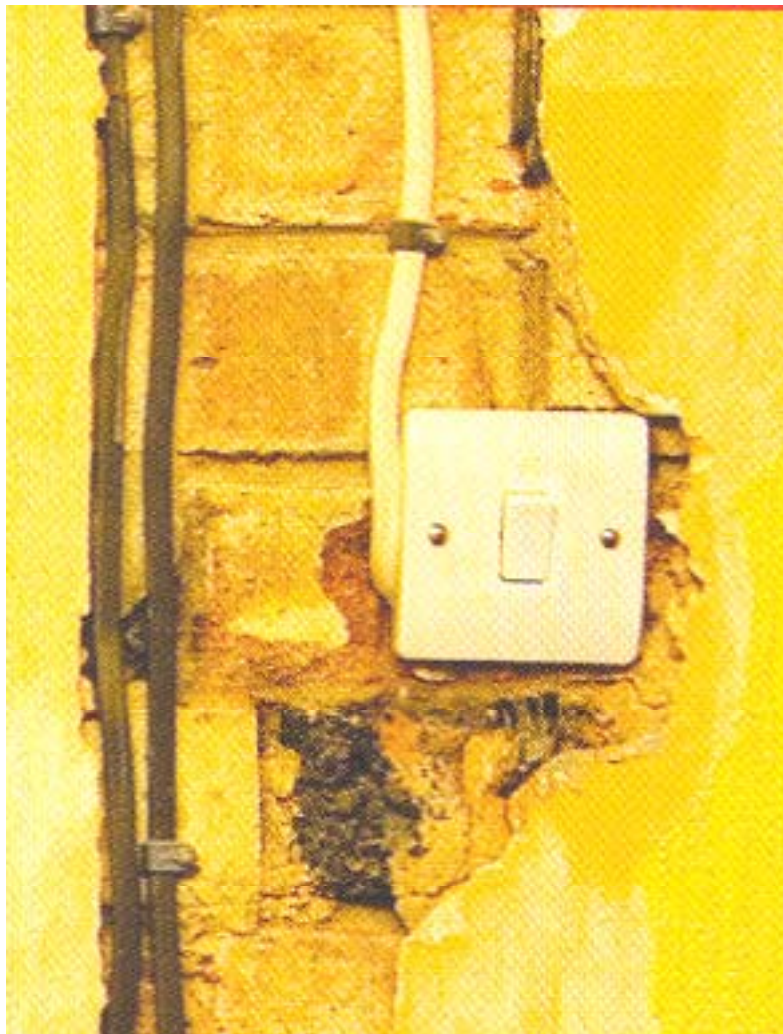




Markus Brehler, CEO & Founder

10-May-11

EnOcean enables Energy Harvesting Wireless



Incumbent Solution



EnOcean Solution

170+ Customers Integrated the EnOcean Solution

ENOCEAN MANUFACTURERS									
			ENOCEAN ALLIANCE PROMOTERS						

... and created more than 700 interoperable products!



Exciting Upcoming Opportunity

Significant growth opportunity

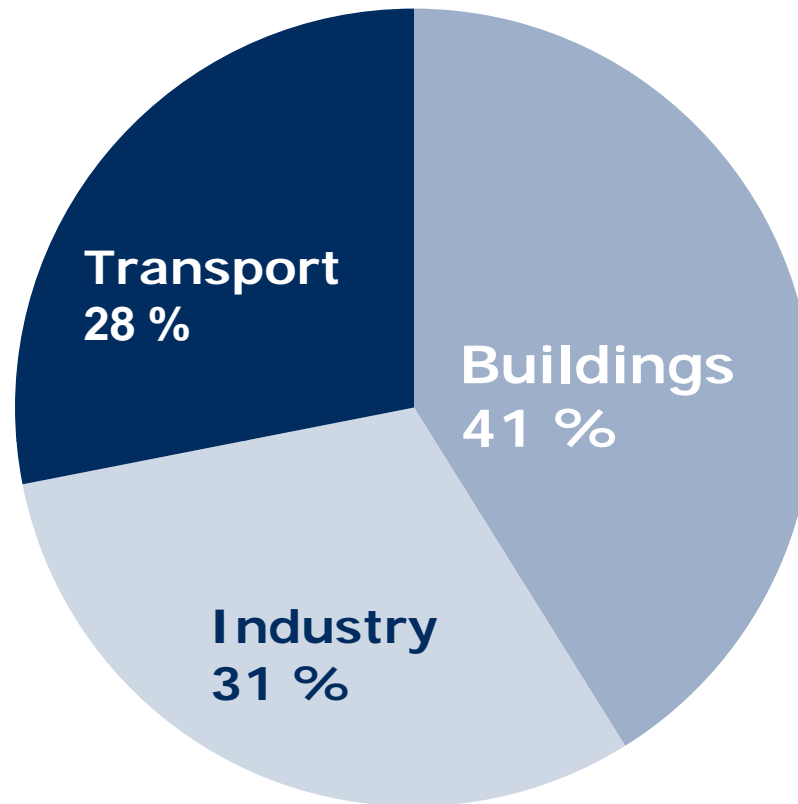
Market leading business established track record

Leading technology, multiple Patents



Traction in Europe, America and Asia

Buildings consume 40 % of worldwide energy



Source: „Sustainable Urban infrastructure, London Edition – a view to 2025

EnOcean Enables Green Buildings

Buildings require sensors for energy conservation



Useable for new and for retrofit **buildings**

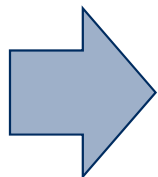
„Energy Harvesting Wireless Market will reach **\$480 Million p.a. by 2016** of which **40% will be in Home and Building Automation**” *

Unique combination **of wireless and maintenance free (no batteries)**

*according to ABIresearch in March 2011

Best pay-back period of all technical measures

Investment in	~Energy savings	~Pay-back period
Operation Management (supply contracts, user education)	-5 % / -30 %	0-5 years
Building envelope (Insulation of roof, windows...)	-50 %	10-50 years
Technical installations and appliances (Building Automation, Lighting, Air Conditioning)	-10 % / -60 %	2-10 years



Source: „Sustainable Urban infrastructure, London Edition – a view to 2025

Example highlights 40 % Energy Conservation



Batteryless light sensors automatically match lighting to daylight.

Position sensors setback HVAC when windows are opened

Self-powered **heating valve** controls heating when receiving changes from room temperature sensor.

Batteryless wireless **switches** control lighting and shading.

Gateway/BMS

Room temperature sensor for minimal energy consumption and maximum comfort.

Occupancy sensor adjusts temperature and turns off lights when a room is not in use

→ YOUR PAYBACK/ROI

- 15% COST SAVINGS IN NEW CONSTRUCTION
- 70% COST SAVINGS IN RETROFITS
- 40% ENERGY SAVINGS
- UNLIMITED FLEXIBILITY

EnOcean Inside as Unique Enabler



Energy Harvesting Wireless Sensor Module

Wireless Transceiver Module

Energy Harvesting Wireless Sensor Module

Energy Harvesting Wireless Sensor Module

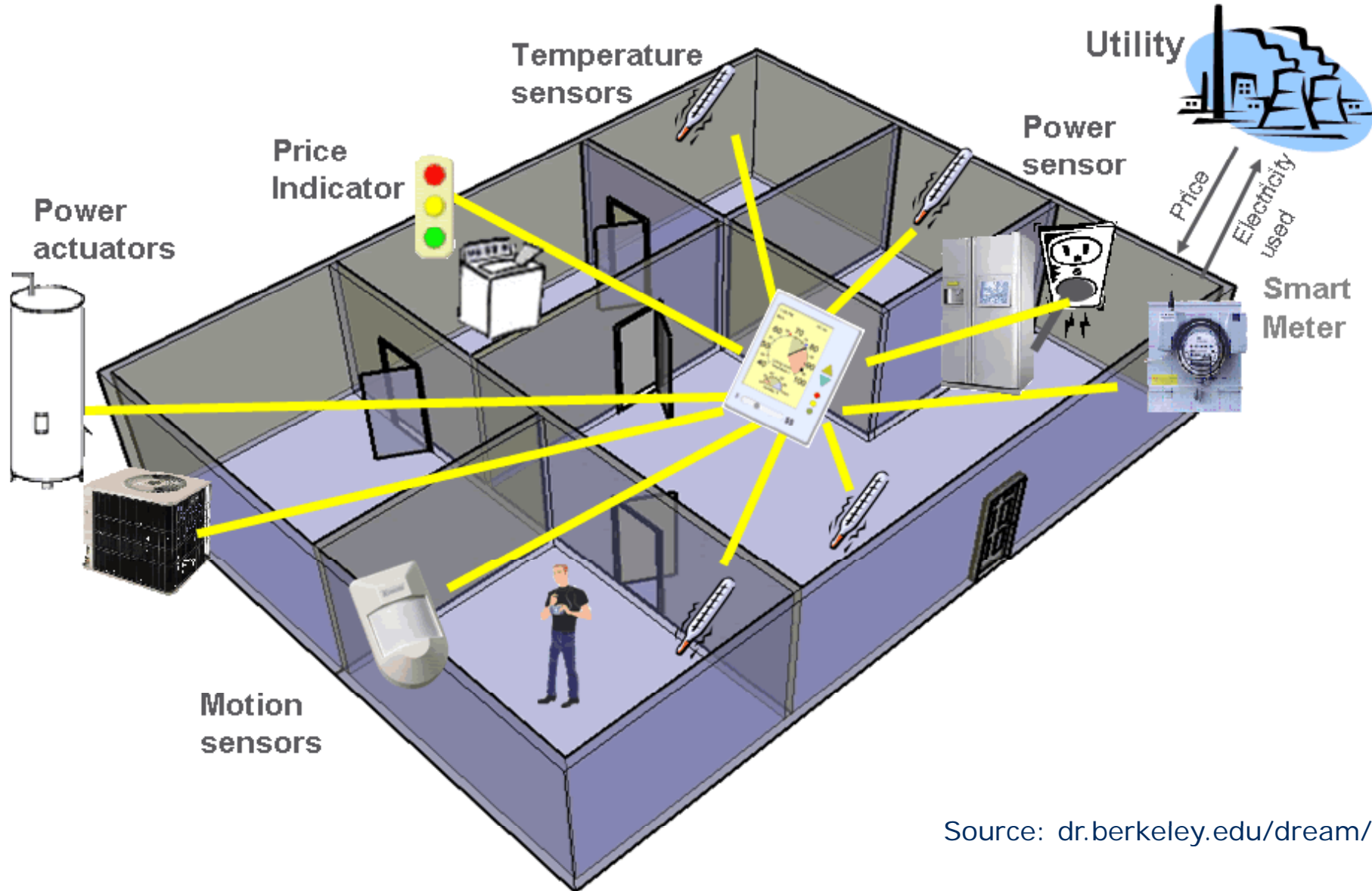
Energy Harvesting Wireless Actuator

Energy Harvesting Wireless Switch Module

BENEFITS FOR PRODUCT MANUFACTURERS

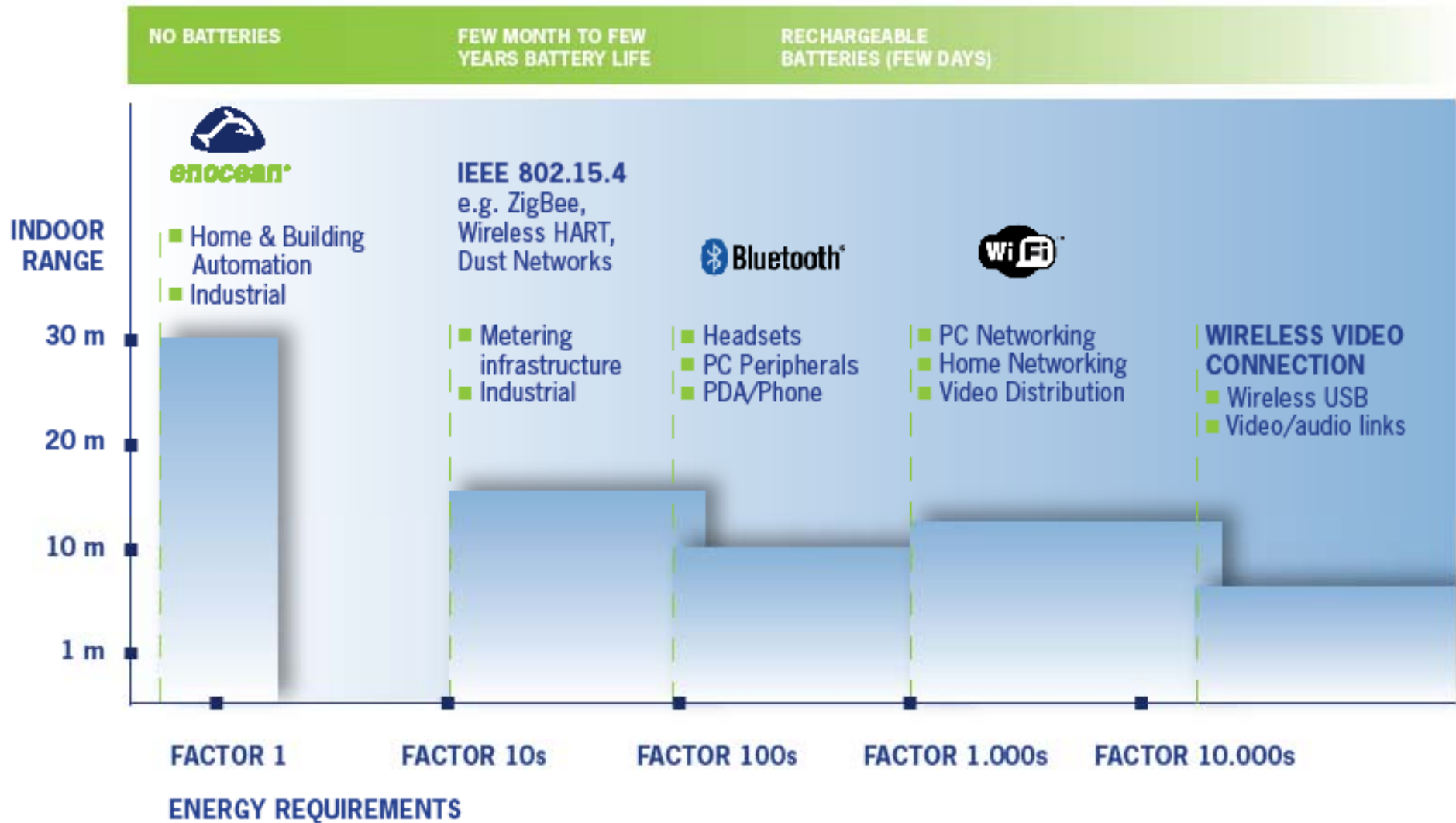
- MAINTENANCE-FREE SENSOR SOLUTIONS
- EASY TO INTEGRATE
- FASTER TIME-TO-MARKET
- INTEROPERABILITY OF END-PRODUCTS

EnOcean enables Smart Grid inside the building with more information and control



Source: dr.berkeley.edu/dream/

The only system that operates without batteries



Management– working together for one Decade



Andreas Schneider
CMO & Co-Founder
2001



Markus Brehler
CEO & Founder
2001



Uwe Thumm
CFO, 2002



Jim O'Callaghan
President NA EnOcean Inc.
2005



Graham Martin
Chairman EnOcean Alliance
2007



Frank Schmidt
CTO & Co-Founder
2001

Exciting Upcoming Opportunity

**Significant
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**Market leading business
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**Traction in Europe
America and Asia**

