

energy conservation - home and office



echoflex

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Getting energy consumption under control – at the push of a switch

New Ventures BC

- 200 BC Wide Companies
- 3 rd Place



The problem



The problem



Our options

CREATE MORE ?



USE LESS ?



The answer

CREATE MORE ?

USE LESS ?

BOTH

Echoflex Solutions Inc.

Designers and Manufacturers of

Wireless, Self Powered
Energy Products and Solutions

for

Lighting, HVAC and Process
Control

Wireless



Self Powered

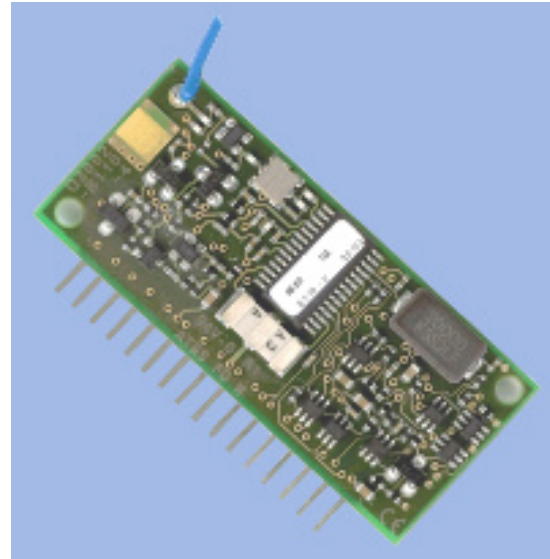


Conserves



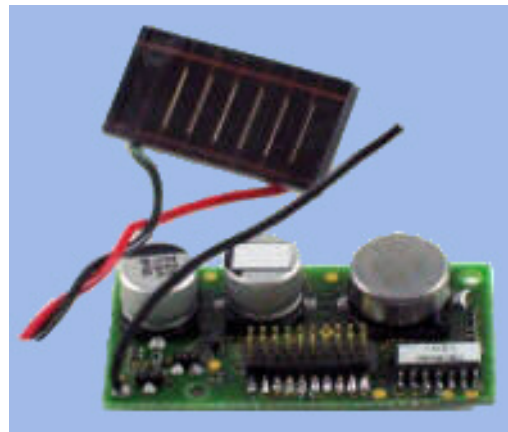
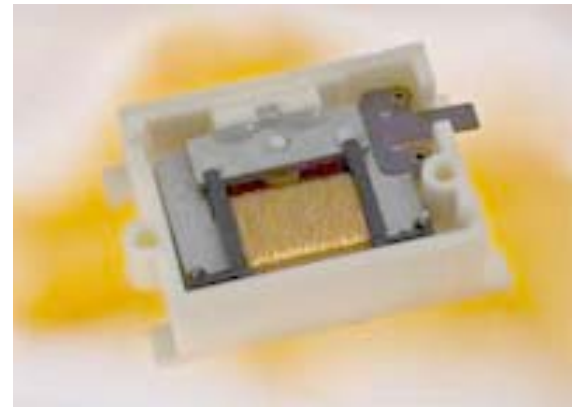
EnOcean Radio's

- Radios
 - Unique telegrams
 - Very short transmission
 - Redundant



EnOcean Energy Harvesting

- Energy Harvesting
 - Mechanical Piezo
 - Solar Harvesting
 - Vibration
 - Thermocouple



Transmitters



Switch



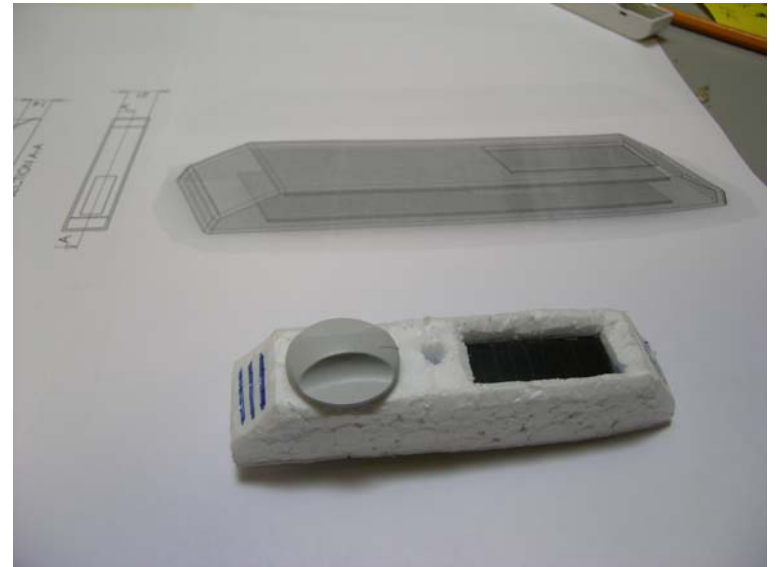
Occupancy Sensor



Photo Sensor

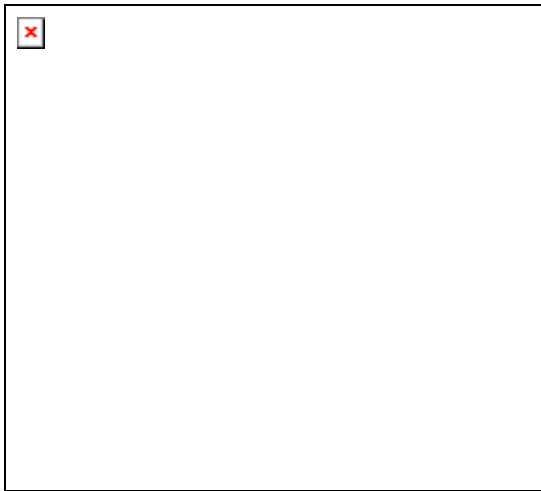


Temperature



Receiver/Controllers

- Intelligent Flexible



Real solutions



Needs-based lighting



Space-specific temperature control



Process Applications



Demand Response



Creating Smart Spaces

- Offices
- Cubicle Areas
- Washrooms
- Boardrooms
- Common Areas

Real Case Studies

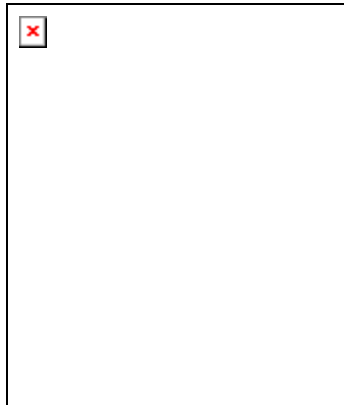
- BC Hydro
- US Green Buildings Council
- Pacific, Gas and Electric
- Southern California Edison
- Lawrence Berkley Labs

Real Payback and Flexibility

- Alcan – Modex
 - Cost per 25 story building \$248,571.70
 - Payback 2.8 years
 - Cost per 50 story building \$497,143.30
 - Payback 1.1 years
 - Ultimate Flexibility

Real Payback and Flexibility

- Hotels – Air Conditioning
 - Cost per Hotel Room \$399.00
 - Pay back 2-4 months
 - Easily Installed



Create energy or use less?

Either way, Echoflex is the answer!

