You are owner, manager or an engineering department present within the TBM field and you want to easily map the energy losses in buildings:

Beanair® offers wireless sensors that allows you to reduce your costs of installation, integration and operation.

The combination of a wide range of measurement products with ultra-low power wireless technology will optimize your overall technical & economical approach:

- Quickly identify the sources of energy savings and deficiencies within your building
- Speed up your installation time and speed up your measurement campaigns. By using our wireless measurement technology you avoid most constraints linked to wiring
- Have a real-time access to all your recorded measurements from a Web server (OneSense®) or PC monitoring software

Water Leak Detection

Liquid Flow Measurement

Liquid Pressure Measurement

Optimize electrical efficiency by tracking current leakage
Application Fields - Technical Building Management

EcoSensor

A reliable, economical, non-intrusive and ultra-low consumption wireless measurement solution

1. Wireless humidity sensor (BeanDevice SUN-TH):
   Measures humidity, relative humidity, moisture within porous elements
   - Qualify the air quality inside the building

2. Wireless temperature sensor (BeanDevice SUN-T):
   Measurement of ambient air temperature, surface temperature
   - Find heat losses
   - Reduce internal heat loads ...

3. Wireless energy metering (BeanDevice SUN-BN):
   Gas, electric, water
   - Measurement of peak power consumption
   - Power leak detection

4. Wireless flow sensor:
   Detects water leaks in pipes

5. Wireless pressure sensor:
   Measures atmospheric pressure, liquid pressure
   - Detect and measure airflow
   - Locate water leaks in pipes

6. Computer System:
   Display and configure your wireless sensors network from a Web Server (OneSense®), the Beanscape® (real time wireless sensor monitor) or even from your own software via the OPC server/service.

7. The wireless sensors coordinator:
   Builds and supervises the wireless sensors network. It includes a wireless short-range technology (IEEE 802.15.4) and long range technology (GSM / GPRS).
More than 99% of buildings from the existing building stock, be it residential, business properties or plants; do not use any building control technology and management system that could provide them with energy management capabilities.

100% of facility managers or end-users would however need to control and optimize their energy bill, for both financial and environmental purposes.

OneSense® Energy is an innovative Energy Management solution that offers a straightforward answer for energy savings while efficiently supporting your sustainable development strategy. It provides control over your various energy consumptions and key environmental parameters. OneSense® Energy helps you steadily reduce your energy costs and that without the need of implementing heavy costly building control technologies!
Key Benefits

- Multi-level Architecture: your application supports multiple levels of management and related user profiles going from facility managers to end-users
- A native park and building management solution: group and site management view, consolidated views
- Open service platform, enabling integration of various heterogeneous data sources for analysis
- Efficient, easy to use and exploit "Web-based" Solution
- Innovative Wireless Sensor Network solution
- Built-in Technical Supervision for all devices used for telemetry and energy metering (device status, network cartography, etc.) making maintenance easier and granting superior quality of service
- Real-time follow-up of Energy consumption and expenses

OneSense® Energy integrates wireless sensor technology allowing you to reduce your installation and operation costs.
The combination of a wide range of sensors dedicated to intelligent building management with an ultralow power wireless technology will optimize your overall technical & economical approach and therefore you will:

- Quickly identify the sources of energy savings and deficiencies within your building
- Speed up your installation time as well as your measurement campaigns. By using our wireless measurement technology you will avoid constraints linked to wiring;
- Have a real-time remote access to all your recorded measurement data from OneSense® energy application and its secured web-based portal.

Distributed by:
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