

mSensors: SenzaNet Technology

Msensor solutions provide flexible M2M communication and allow for cost savings in facility management - Out of Box Wireless Device Networking

Challenge

E-Senza Technologies GmbH is a leading provider of out-of-box low power wireless device networking products solutions located in Konstanz.

Solution

The core SenzaNet technology is based on the low-power low-data rate IEEE 802.15.4 standard. It helps sensors and devices communicate through wireless mesh over license-free radio and add intelligence to the measurement units. In bigger building complexes it is frequently necessary to collect sensor and metering values. With a hard-wired solution this would involve a higher expenses and logistical efforts. Especially changes in infrastructure are not always possible in many buildings.

Results

Air conditioning & heating systems are huge power consumers but they have big potential of energy savings, if a constant measurement and remote control was possible. In such cases self-sustained operating solutions are required & the E-Senza products offer an ideal solution with optimized battery life-cycle of up to several years. With the wireless monitoring solution SenzaNet, facility managers obtain the possibility to globally monitor and control the functions of their systems without any wires. A central Gateway allows the wireless networking of several levels of wide-ranging facility complexes and enables integration with different the facility networks or buses. Through the individual control the consumption of the facility can be optimized and thereby lead to reduced operating costs. At the same time E-Senza offers instant installation, lower energy consumption and significantly reduced maintenance effort.



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