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YOGA IB – the 1st Self-learning Intelligent Building System

Service/solution

Yoga Intelligent Building – Yoga IB – developed by Yoga LLC, is the world's 1st self-learning intelligent management system for buildings. Through innovative technology and information management, it can concurrently offer both significant reduction in a building's energy consumption and increased security and comfort for people.

Yoga IB is targeted to global markets through an international sales network and partnerships with regional/local distributors, dealers and installers. Yoga LLC will focus on development and coordination of the network in European, Middle-Eastern and North-American markets.

Benefits

Yoga IB makes it possible to cut the operational costs of real estate, which constitutes the major part of a building's life-cycle costs (Total Cost of Ownership). Yoga IB is the 1st self-learning solution based on the concept of complete core functionality, neural networks technology and natural use of room occupancy information, bringing a building's energy management to a new level. Yoga IB perceives its environment and adjusts its actions to optimize the achievement of goals defined by users, offering increased comfort and security. Yoga IB is suitable for all types of buildings and premises (residential buildings, office buildings, and special purpose buildings, such as hospitals, schools, etc.), and is also designed to be used for blocks of buildings, campuses and cities. Yoga IB makes possible the control of all the buildings in a system, regardless of their location and functionality needs.

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References

Demand for energy efficiency technologies is rapidly increasing throughout the world and it is considered to be one of the fastest growing industrial sectors. Connecting energy efficiency with comfort and security delivered at reasonable prices is the competitive advantage of Yoga IB.

History, Facts and Future Development

Yoga IB's history begins in 1997, starting from the automation and remote control of vending machines. Currently, Yoga IB is a system based on cutting-edge technology.

Yoga IB will be continuously upgraded with new functionality, the next major phases focusing on smart grid and smart appliance functionality, wireless technologies, biometrics, etc.

Technologies

Yoga IB is an intelligent holistic building control system with a complete set of unique software, innovative electronic devices and expert knowledge. The Yoga IB system runs on Java, PostgreSQL, Javascript, Objective C and other programming languages used on the Linux operating system.

Budget and Price

For single apartments and villas, the full Yoga IB solution costs between € 2,000 – 20,000. For bigger buildings, the cost of a Yoga IB solution depends on the size and specifics of a building. Yoga IB's implementation costs don't have a dramatic affect on overall building costs and the related investments have one of the shortest payback times.

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Republic of Estonia
Population – 1,34 million
Area – 45,228 km²

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