

Organisation:
Green Koncepts Pte Ltd

Founder and CEO:
Kenneth Lee

Solution: Energetix™

Energetix is a real-time building intelligence and controls platform providing an integrated, yet modular suite of software solutions for the built environment including energy monitoring, HVAC and lighting controls, IAQ and fault monitoring for mission critical equipment.

Energetix supports building retrofits to enable building owners to better manage their real estate assets through a centralised system. Energetix also provides advance building control strategies including demand-driven energy usage while ensuring occupant comfort. Energetix tracks building energy KPIs according to BCA Green Mark requirements.

Green Koncepts is a multi-award winning Singapore software company that has developed an IoT Platform and suite of applications for the built environment, that aims to help buildings manage corporate real estate. Its customers include large enterprises such as DBS Bank, Resorts World Sentosa, PT Menara Astra, Temasek Polytechnic, Yokogawa, ST Engineering DCS, NTUC Income, OneDeg15, ebm-papst, PWC, Co-op Supermarket, VMWare and SMEs.

Green Koncepts' solution, Energetix™, provides a modular but integrated suite consisting of Energy, Water, Chilled Water, Fuel and Renewables Monitoring, Intelligent Lighting and Heating, Ventilation and Air Conditioning (HVAC) Controls, Indoor Air Quality (IAQ), Occupancy and Fault Management. By using IoT sensors and the data they generate, Energetix™ provides demand-driven energy usage, allowing tenants, data centres operators and building owners to optimise their energy efficiency and ensure occupant wellbeing.

The solution enables the centralised management of corporate real estate portfolio and real-time fault notifications, allowing the centralised command centre to optimise labour and improve productivity. With demand-based AI Lighting and Air Conditioning, the solution can generate up to 45% energy savings. The technology was piloted at DBS Newton Green, where 22% energy savings were recorded for lighting and 40% for Air Conditioning over existing systems.

Awards

- Frost and Sullivan 2021 Energy Management Solutions Customer Value Leadership Award
- SIFMA FMES 2021 Outstanding Technology Solution Provider Award
- Frost and Sullivan 2017 Energy Management Company of the Year

Integrated IoT Application Suite for the Built Environment

