

SYNNEX – Forest Movement

Working for change



SYNNEX



Microsoft

Agenda

1. Market landscape
2. Core customer needs and challenges
3. Solution description
4. Built on Microsoft Azure
5. Customer use cases
6. Solution reference architecture

Sustainability is becoming critical to businesses worldwide

80%

Energy demand in Southeast Asia has grown more than 80% since 2000¹ and is expected to grow another 60% by 2040.²

2/3

About two-thirds of businesses in a Deloitte survey said their customers are demanding that they get a certain percentage of their electricity from renewable resources.⁴

55%

In a global study, 55% of consumers said they would pay more for a product that was better for the environment.⁵

Core customer needs and challenges

Insufficient resources

Many organizations have insufficient resources or time to obtain the knowledge required to implement effective sustainability strategies and solutions.

Consumer & regulatory demands

Organizations feel pressure from consumers and government regulators to increase sustainability, reduce carbon emissions, and demonstrate corporate social responsibility.

Lack of knowledge & solutions

Many businesses lack visibility into how much energy they are using day to day, and few have programs or systems in place to help them increase sustainability and reduce their carbon footprint.

Generating value for customers through sustainability



Save energy & reduce costs



Amplify your social impact



Improve energy management



Save energy & reduce costs

Reduce energy usage and cut costs with smart technology and eco-friendly business practices.

Sensors, meters, timers, smart plugs, and smart controllers provide a wealth of data to help organizations save energy and reduce costs.

Retail organizations can save 50% of power use for lighting by switching to LED lights—and then use the smart technology of the SYNEX solution to increase those savings.

SYNEX will provide energy saving tips based on customers' actual situation.

Organizations can predict cumulative power consumption and costs during specific periods and be proactive about reducing both.



Amplify your social impact

Increase your brand exposure and social impact through green marketing and your commitment to sustainability.

Demonstrate corporate social responsibility and sustainability by making energy savings public.

Participate in co-marketing programs organized by SYNEX and its partners.

Amplify social impact and green marketing by joining hands with public- and private-sector environmental programs.

Benefit from regular marketing exposure on relevant Facebook fan pages.



Improve energy management

Monitor energy usage, predict costs, and make strategic data-driven business decisions.

Dashboards offer visibility into day-to-day energy use and power fluctuations at different times of day.

Authorized employees can access dashboard information and control air conditioning and other systems with smartphones and other devices.

Tracks daily, weekly, monthly, yearly, and year-to-date power usage.

Monitors and compares variables that affect power usage, such as indoor and outdoor temperature and air quality that influence heating and cooling.

Built on Azure for superior data analytics

Using smart technology to reduce energy usage and increase sustainability



Ease of use



Data analytics



Scalability



Data security



Remote management

Global retailer is sold on sustainability



One of the world's largest home furnishing and accessories retailers, wanted greater visibility into its power costs and consumption. The company also wanted to engage employees in its efforts to reduce energy use and increase sustainability. SYNEX installed an energy-management system—20% customized and 80% out-of-the-box hardware and software—and designed an employee engagement program that features employee alerts, workshops, and data-driven examples to help employees change their behavior, reduce energy usage and costs, and improve the company's overall sustainability.

SAVES ENERGY

Provides energy saving tips to help the company and its employees change behavior and make strategic decisions to reduce energy use.

REDUCES COSTS

Smart technology and eco-friendly business practices help the company lower its energy costs.

AMPLIFIES SOCIAL IMPACT

Green marketing and environmental programs help the company demonstrate corporate social responsibility and sustainability.

IMPROVES ENERGY MANAGEMENT

Dashboards offer visibility into day-to-day energy use and power fluctuations at different times of day.

Helping retail businesses save energy and cut expenses

“It really makes a big difference. With the SYNEX Forest Movement solution, we gain visibility into our energy use and the potential for waste. The cost savings are substantial, which reduces our overall expenses. Moreover, it is beneficial to the whole society.”

— Beauty shop owner



Racing toward sustainability with smart technology

“ I think this energy-saving project, which is a collaboration between the government and a private company, is great. After installation, SYNnex helped us track our electricity usage through a very simple, easy-to-use and understand software solution. I am happy to share this project with our neighbors.”

— Bike shop owner





Transform your business with improved sustainability

- We'll connect you with the SYNEX sales team. Contact Ivan Wu at ivanwu@synex.com.tw
- Learn about SYNEX Forest Movement by visiting <https://b.domiearth.com/>



Energy Use Reduction for Storefront Businesses

SYNNEX Reference Architecture

Sensors / Connections

This solution helps storefront businesses see energy usage across locations to drive cost and environmental impact reductions.

Edge Intelligence

Energy usage from current loops is gathered in the edge and averaged to reduce volatility before it is uploaded to the cloud.

Cloud Services

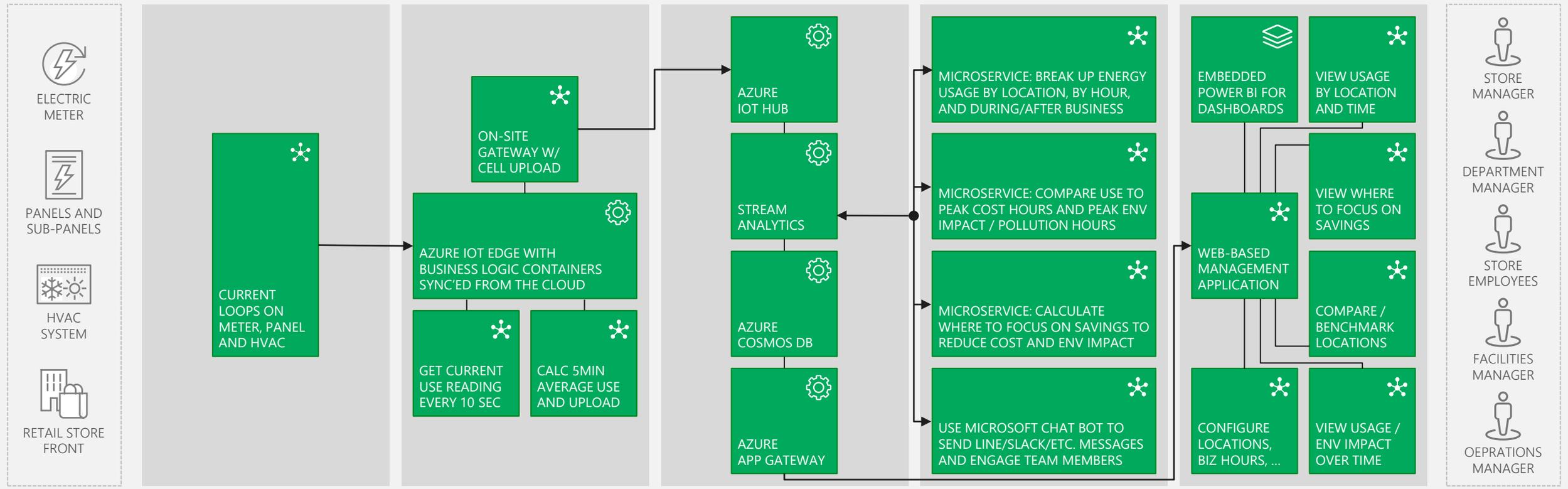
Microsoft's Azure cloud provides a scalable, resilient, secure platform for your operational data and for the solution components.

Cloud Intelligence

Microservices process the data and use peak impact analysis to identify opportunities for reducing energy use and environmental impact.

Mgmt. Experience

Your team uses a web app and Power BI to get visibility across all locations to achieve your energy and environmental goals.



 Partner component

 Azure service

 Microsoft product