

# Transforming Retail Operations in Thailand: Scalable Energy Savings Through Connected Service



## Mission

A leading retail conglomerate in Thailand, committed to sustainability and efficiency, sought innovative solutions to monitor and improve energy consumption across its stores.

Faced with high costs from external energy measurement vendors, they needed a reliable system for daily monitoring and proactive energy efficiency improvements to track and improve energy use per square meter, meeting sustainability KPIs

## Solution

Customer used Trane connected service (Connected Mechanical Service Agreement) to leverage advanced data analytics for energy management.

- 1. Data Integration:** Seamless integration with existing systems, providing comprehensive data on energy consumption.
- 2. Real-Time Monitoring:** Gained access to real-time data, enabling them to monitor daily operations and identify areas for improvement.
- 3. Proactive Measures:** Took proactive steps with actionable insights to enhance efficiency, e.g. optimize equipment usage, schedule maintenance.
- 4. Upgrading Systems:** Based on data insights, Customer planned to replace older chillers and systems with more energy-efficient alternatives.

## Result

Customer expressed satisfaction with the ease of integration, value of real-time data, significant cost savings, and the positive sustainability impact.

1. Reduced operational costs by eliminating external vendors.
2. Achieved 5% higher energy efficiency through optimized equipment usage (solely optimizing equipment usage without requiring any investment).
3. Upgrade of older systems supported sustainability objectives.
4. Successful deployment across five stores demonstrated solution scalability.

## Project Highlights

**Market:** Thailand

**Segment:** Commercial

**Services used:**

- Trane CMSA (Connected Mechanical Service Agreement)

## Featured Services



**Offering name:** Trane CMSA (Connected Mechanical Service Agreement)

## At a glance:

- CMSA supplements traditional on-site only maintenance service.
- Improved transparency into equipment performance
- 24/7 operational insights through continuous data collection.
- Quicker problem resolution.
- Proactive approach to maintaining equipment.
- Maintain expected energy efficiency.



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