

# Intelligent EMS for data center campus networks



## Overview

AI-native Energy Management Systems transform data centers from energy sinks into self-optimizing facilities. Predictive forecasting, intelligent cooling, continuous learning. Manage mission critical data infrastructure and server rooms with one integrated BMS and EMS solution to drive energy savings and operational. An environmental monitoring system (EMS) is typically an array of sensors and dashboards used to collate the collected data and display it in a usable format for data center operators. Modern EMS solutions are always improving and changing to meet new DC challenges, utilizing more sophisticated. iMaster NCE-Campus — Huawei's next-generation autonomous driving network management and control system for campus networks — integrates management, control, analysis, and Artificial Intelligence (AI) functions, providing full-lifecycle automation of campus networks.

## Article Content

Mar 17, 2026

Data Center Environmental Monitoring: Concepts and Systems

This article will detail the various metrics that can be collected by an EMS, discuss how an EMS can be implemented, and present recommendations both for integration with existing data center ...

Jan 17, 2026

FlexGen for data centers | FlexGen

Powering data centers in the hyperscale era AI is driving unprecedented demand for data center power. FlexGen delivers faster interconnection, smarter energy management, and the reliability AI ...

Dec 23, 2025

EMS for Sustainable Data Centers

This paper proposes an intelligent EMS framework designed for sustainable data centers, which dynamically balances energy loads between renewable energy generation, battery storage, and grid ...

Oct 26, 2025

THE SMART EMS FOR THE SMART DATA CENTERS

An Energy Management System (EMS) integrated with a Power Conversion System (PCS) and Battery Energy Storage System (BESS) was successfully implemented by a leading micro-grid project in the ...

Feb 18, 2026

Zenvex AI Solutions

Collects real-time telemetry data from critical infrastructure—environmental, electrical, cooling, and IT assets. Our system supports thousands of industrial protocols, ensuring all your equipment can be ...

Jan 03, 2026

Cisco Networking Products and Solutions

Cisco Networking provides intelligent network solutions for organizations to securely connect users, devices, applications, and workloads everywhere.

Jul 08, 2025

Data Centers

Manage mission critical data infrastructure and server rooms with one integrated BMS and EMS solution to drive energy savings and operational efficiency.

Dec 02, 2025

Your Data Center Is Burning Money. AI-Native EMS Is the Fix.

Unlike static rule-based systems, AI-native EMS gets smarter every day. It adapts to changing conditions, identifies emerging inefficiencies, and refines its optimization strategies over time.

Oct 11, 2025

iMaster NCE Campus — Huawei Enterprise

iMaster NCE-Campus — Huawei's next-generation autonomous driving network management and control system for campus networks — integrates management, control, analysis, and Artificial ...

## Contact Us

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