

# Intelligent Distribution Network Automation System IDS



## Overview

The latest version of Huawei's Intelligent Distribution Solution (IDS) uses data from IoT sensing devices and AI to create an environmental sensing network, providing real-time risk alerts and transforming reactive measures into pre-emptive strategies. In recent years, global power distribution. At this year's Congrès International des Réseaux Electriques de Distribution (CIRED 2025), Huawei announced and showcased new features for its Intelligent Distribution Solution (IDS). The business also demonstrated its latest achievements in the global digital distribution field, with the aim of. The IDS Smart Distribution Network Solution represents a cutting-edge approach to modern power distribution management, combining advanced technology with intelligent automation. David Sun, the VP of Huawei and CEO of Electric Power Digitalization BU, gave a keynote speech and introduced the IDS solution. Developed in collaboration with.



## Article Content

Hot

(PDF) Distribution Automation: Enhancing Efficiency and

Opportunities for distribution automation, such as enhanced reliability, improved operational efficiency, enhanced data collection and analysis,

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Distribution Network Automation Technology based on Low-voltage ...

With the continuous progress of social economy, the shortage of electric power is becoming increasingly severe. At this time, the development of smart grids is extremely important. At present, permanent

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Huawei Reveals Intelligent Distribution Solution at World Energy

Developed in collaboration with ecosystem partners, the IDS aims to tackle the electric power industry's most pressing challenges, including high line loss, unreliable service, and the

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Huawei's IDS uses cutting-edge intelligent sensing to keep the power ...

The latest version of Huawei's Intelligent Distribution Solution (IDS) uses data from IoT sensing devices and AI to create an environmental sensing network, providing real-time risk alerts

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

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In-depth Analysis of Intelligent Solutions for the Distribution ...

In-depth Analysis of Intelligent Solutions for the Distribution Automation Industry: Network Equipment Selection and Deployment Strategies Introduction: Core Challenges in Distribution Automation

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Huawei unveils its Intelligent Distribution Solution at 26th WEC

Huawei's IDS leverages cutting-edge technologies to optimise power distribution, enhance grid reliability, and facilitate the integration of renewable energy sources.

May 03, 2026 Hot

Intelligent Distribution Solutions: Navigating the Future

Discover how Intelligent Distribution Solutions (IDS) are revolutionizing power distribution in the energy industry.

Sep 22, 2025 Hot

Intelligent Distribution Solution | Huawei Enterprise

Huawei Intelligent Distribution Solution enables the rapid deployment of low-voltage distribution services on the cloud, intelligent end-to-side and O& M.

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Microsoft Word

A broad definition of Distribution Automation includes any automation which is used in the planning, engineering, construction, operation, and maintenance of the distribution power system, including

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Intralogistics, Warehouse Automation & Material Handling

Grocery The future of grocery logistics is intelligent, agile and scalable — a future only made possible by automated distribution networks. Is it

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Distribution Automation

Distribution network automation refers to the combination of modern electronic technology, communication technology, computer network technology with power system equipment, integrating

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Formal Modeling of IoT-Based Distribution Management

In , the author proposed an intelligent control system for fault identification in the distribution network using neural networks. While several

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Design and Application of Automation System with the Distribution ...

The intelligent distribution network is an important foundation and support for the smart grid, and it has covered substations at all levels. The smart substation technology general provides the definition of a

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A distributed automation architecture for distribution networks, from ...

With the current increase of distributed generation in distribution networks, line congestions and PQ issues are expected to increase. The smart grid may effectively coordinate

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Research on intelligent distribution network automation design

This paper summarizes the development of distribution network automation in China, and analyses the shortcomings of traditional distribution automation with the background of intelligent

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Research and Application of Distribution Automation System

This paper centers on the mountainous distribution network automation strategy based on self-healing technology, analyzes the main components and functions of the distribution automation

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IDS Smart Distribution Network Solution: Intelligent Power

This comprehensive system integrates real-time monitoring, data analytics, and automated control mechanisms to create a more efficient and reliable power distribution infrastructure.

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Huawei unveils Intelligent Distribution Solution (IDS) for electric ...

Huawei recently introduced its Intelligent Distribution Solution (IDS) at the Mobile World Congress 2024 conference in Barcelona, Spain. David Sun, the VP of Huawei and CEO of Electric

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Research and Application of Intelligent Sensor in Distribution Network ...

This paper discusses the application of intelligent sensors in distribution network feeder automation, introduces the types of various intelligent sensors in detail, sorts out their technical

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Huawei Releases New IDS Features for Distribution Networks

This allows customers to shorten the time taken to respond to faults, enhance distribution network resilience against extreme natural disasters and boost user satisfaction. To date, the IDS

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Development of Intelligent Operation and Maintenance and ...

In this context, the research on intelligent operation and communication devices of distribution network is particularly urgent. Through the introduction of advanced technologies such as the Internet of

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Design Mechanism of Intelligent Distribution Network Dispatching System ...

The automatic input of the distribution network is not directly proportional to the output. Excessive input and output lead to a low utilization rate of the distribution network with repeated investment due to a

Jul 09, 2025

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