

IDC Energy Insights: Asia/Pacific Utilities Platforms and Technologies

The climate change-driven planetary imperatives of decarbonization and resource conservation are ushering in a period of accelerated change in both the supply and demand sides of energy and water systems equations. This is pushing the envelope of traditional utility processes and regulation, driving a profound rethinking of business, operating, and information models across the industry. Spurred by rapid digital technology evolution, utilities' IT and business leadership around the world are reimagining how to deliver on their commitments for safe, secure, reliable, and affordable supply while delivering on their newfound purpose of becoming the business and technical platforms and solution providers for a fair energy transition.

The *IDC Energy Insights: Asia/Pacific Utilities Platforms and Technologies* research and advisory service will provide select content to inform utility IT, operations, and business leadership during the twin transitions (digital and energy), as they make strategic decisions around enabling technologies, data management, application and process modernization, future-of-work practices, and cybersecurity and to drive better social, economic, and environmental outcomes for all stakeholders.

APPROACH

This service provides a selection of region-specific analysis and data through IDC Energy Insights' proprietary research projects, along with ongoing communications with Asia/Pacific (AP) industry experts, utility management, ICT vendors, and service providers. With decades of experience in the utility industry, our analysts leverage a broad spectrum of expertise and intellectual property from both IDC and IDC Energy Insights. Research documents cover regional industry-specific technology market developments, business strategies, and best practices, along with short perspectives on local topical issues.

TOPICS ADDRESSED

Throughout the year, this service will address the following topics:

- AP utilities' accelerated adoption of platform and technologies, such as cloud, digital twins, new-generation communication, edge computing, IoT and sensors, AI/ML, and GenAI and their impact on business performance, operations, and customer and employee experience
 - AP market developments related to the utilities' main IT applications areas for plant and network life-cycle management (e.g., SCADA, A-EMS/DMS, Historians and ODM, DERMS, EAM and APM, CMMS, FSM, and MDM), market operations, and reporting (e.g., MMS, ETRM, and ESG)
 - Best practices and case studies related to business process and technology alignment, convergence, integration, and governance of operational technology (OT) and IT
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KEY QUESTIONS ANSWERED

Our research addresses the following issues that are critical to your success:

1. lead the energy transition, and how are they impacting AP utilities' business and operating models?
 2. What are AP utilities' IT investment and spending priorities, drivers, challenges, and innovation areas?
 3. How can technology be used to generate new revenue streams, increase efficiencies, reduce costs, gain competitive advantage, and ensure regulatory compliance?
 4. How can AP utilities adapt to change, improve performance, and reduce costs by leveraging innovative technologies and approaches such as AI/ML, cloud, IoT, drones, robots, cloud, digital platforms, and digital twins?
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WHO SHOULD SUBSCRIBE

The *IDC Energy Insights: Asia/Pacific Utilities Platforms and Technologies* advisory service is ideally suited to inform digital/IT executives and operations and business managers operating in the AP energy and water markets. In addition, it provides technology suppliers with fresh data and knowledge on the adoption of technologies impacting the utilities landscape.