Energy Internet New-Type Work Team Construction

Overview

Model Construction and Construction Key Issues for Energy Internet. To address this issue, this paper proposes a novel consensus-based distributed approa.

Key Takeaways

Building effective new-type work teams for the Energy Internet requires integrating talent development, digital collaboration, and cross-disciplinary coordination to support innovative energy systems.Talent Team Construction in Energy Internet

Constructing high-performing teams for the Energy Internet starts with strategic talent development. Power grid enterprises are encouraged to strengthen their talent highlands by focusing on institutional innovation, talent engineering, science and technology support, and competitive salary incentives. This approach ensures a continuous supply of skilled professionals capable of supporting new energy systems and the evolving power grid infrastructure . National strategies emphasize the importance of talent as a primary resource and innovation as a driving force, guiding enterprises to create open, convenient, and innovation-friendly environments for talent growth .

Cross-Disciplinary Collaboration

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Successful Energy Internet projects require close collaboration between construction and energy teams. Early coordination allows teams to integrate energy storage systems, renewable energy technologies, and smart energy management solutions seamlessly into building designs. Using shared digital platforms like Building Information Modeling (BIM) and cloud-based tools enables real-time visualization, clash detection, and efficient project management, ensuring that energy systems align with long-term operational goals . This collaboration also helps meet evolving energy regulations and leverage financial incentives for sustainable energy solutions .

Digital Integration and Remote Team Management

Modern Energy Internet projects benefit from digital workforce integration. Cloud-based project management systems, virtual collaboration platforms, and standardized communication protocols allow remote and on-site teams to work cohesively. These tools improve scheduling, resource allocation, and performance tracking, reducing coordination gaps and increasing project efficiency. Advanced technologies such as augmented reality (AR) site walks and real-time BIM updates create a unified operational environment, supporting both productivity and safety standards .

Strategic Implementation

To implement new-type work teams effectively, enterprises should:

• Align team structures with strategic national and industrial goals for energy transition and innovation .

• Promote continuous learning and skill development to adapt to emerging energy technologies.

• Foster interdisciplinary collaboration between engineers, construction managers, and energy system specialists.

• Utilize digital platforms for real-time coordination, monitoring, and optimization of energy projects .

• Ensure regulatory compliance and incentive alignment to maximize project efficiency and cost-effectiveness . By combining talent cultivation, digital integration, and cross-disciplinary collaboration, Energy Internet enterprises can build innovative, resilient, and highly efficient work teams capable of supporting the next generation of energy systems .

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Furthermore, the present review focuses on the various issues and challenges of existing energy internet platforms

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