

The cloud in the energy sector, utilities, and heavy industry

Video Transcript

Intro

The energy, utilities, and heavy industry segments are traditional and conservative, but they have not escaped the dramatic transformation that is leading them toward greater digitalization, decarbonization, and decentralization.

My name is František Pisk, and I want to introduce you to benefits that the cloud is bringing to the future of this industry and offering to your business.

Cloud helps across industries

Whether we like it or not, long-established business models, traditional service providers, and the ways by which they have worked are things of the past. The entire industry is facing three main challenges. The first of these is an outdated infrastructure that no longer satisfies the needs demanding to be met. A second challenge consists in the growing expectations and requirements of customers, who demand from their providers interactivity and custom-tailored solutions.

The third challenge is regulation. This will require not only flexibility, agility, and

efficiency of energy sources, but also a focus on sustainability and green energy. The entire industry is transforming and becoming a sophisticated realm of digital services and commerce. The cloud is significantly helping utilities, the energy segment, and industry generally to manage this change.

Most of industry's leading players already have embarked upon the journey to the cloud. Companies have implemented a wide range of cloud solutions. On the other hand, about 50% of companies are not yet using the cloud and so they have no opportunity to reap its benefits. Those advantages are indisputable, and they have proven crucial for example in the times of pandemic: the cloud offers greater flexibility and scalability, efficiency, adaptability, and security. But there are even many more benefits, so let's have a look at them.

Benefits of cloud computing

Historically, companies have been moving to the cloud primarily in order to reduce IT costs, and this premise still holds true. The costs of maintaining and managing systems to support a business can be significantly lower due to the cloud. And this has been confirmed by more than 50% of CEOs and heads of IT departments.



A case in point is a cloud solution for the global energy company ENEL. As a result of its cooperation with Accenture, ENEL is saving as much as 30% on data storage costs and more than 80% on computing power.

A significant benefit of the cloud exists in its ability to accelerate business innovation. Flexibility to innovate allows you to react very quickly to market changes and shifting business needs. As many as 65% of respondents in a survey for InformationWeek claimed that the ability to adapt flexibly to new needs was the main reason for moving to the cloud.

In the digital world, rapid access to data and the ability instantly to analyze thousands of data types and data points are crucial. Using information stored in the cloud, you can easily create reports and work with data across an entire organization. Based upon these insights, you can be optimizing your business in real time.

The cloud also helps to improve the inner workings of a company and streamline its internal processes, such as the way employees work together in teams and share information. Cloud technologies enable greater automation and reduce the numbers of errors and manual transactions. This will allow your teams to focus on more important tasks and give them greater time to innovate.

The utilities and energy segments in their entirety are evolving toward a new model and digital transformation. How the industry responds to the challenges it faces will be crucial. The growth in electromobility, for instance, is resulting in needs for new charging infrastructure and renewable energy storage technologies – but also for innovative communication with the end customer.

Other vital concerns will include the overall stability of the energy grid and the ability to anticipate and respond better to the various types of future natural disasters.

Digital technologies in the cloud can help you to tackle these challenges head on. If you are interested in using the cloud to support your business, Accenture can help.

Teasers

The energy segment, utilities, and industry generally are also undergoing digital transformation because of the cloud.

The energy, utilities, and heavy industry segments are undergoing dramatic transformation leading to greater digitalization, decarbonization, and decentralization. Cloud technologies can help you to meet these challenges head on.

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