

## Siemens calls for more investment in power grids, artificial intelligence and resilience of energy systems

In an international study of 1,400 senior executives and government representatives commissioned by Siemens, a majority of respondents said that energy security had replaced global cooperation on climate protection as the most important driver of the energy transition. The most important governmental priority of the infrastructure transition should be a resilient energy supply, according to one of the results. To mitigate the use of energy as a geopolitical tool, many governments are increasingly focusing on energy security, independence and preparedness. Siemens is therefore calling for resilience to be given much greater weight in energy-system planning than it has received to date. Energy resilience can be achieved, among other things, through targeted investments in digitalization, modernization and expansion of electricity grids. The use of digital technologies such as artificial intelligence (AI) and advanced hardware can further enhance the resilience of critical infrastructure.

A summary of the results at a glance:

### **Climate priorities shifting towards security**

With resilience and energy security now taking precedence, confidence in achieving global climate goals is starting to fall. More than half (57%) of global executives expect increased investment in fossil fuels over the next two years, and just 37% of businesses now believe they will meet their 2030 decarbonization targets – down from 44% in 2023. More investment in energy grids and faster digitalization could advance both climate goals and energy resilience more quickly, according to one of the findings of the infrastructure study.

### **Artificial Intelligence will accelerate the transition**

As national energy strategies evolve, digital technologies remain at the heart of the infrastructure transition. Digitalization ranks as the second most important factor in accelerating the clean energy transition for industries – just behind expanding energy storage – with AI expected to have the greatest positive impact. Respondents believe that AI is helping to make critical infrastructure more resilient (66%) and report that their organizations are using AI to help decarbonize their operations (59%).

The [Siemens Infrastructure Transition Monitor 2025](#) is a study commissioned by Siemens and conducted by FT Longitude, the specialist research and content marketing division of the Financial Times Group. It surveyed 1,400 senior executives and government representatives in 19 countries across energy, buildings and industries. The 2025 edition is the second in the series and launches ahead of COP30.

This press release is available at <https://sie.ag/73keb4>

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