

# Energy transition in asset-intensive and manufacturing industries in Europe

How do leaders in engineering and manufacturing companies shape energy transition?

We asked 200 leaders in companies with engineering & manufacturing operations across Europe 10 questions to better understand their concerns, challenges, investment decisions and the opportunities they see ahead on energy transition.

## Energy transition is an enterprise-wide challenge

### Top affected departments

In % of respondents, multiple selections possible

**This fiscal year:**  
Focus shifts to short-term adjustments

**Next fiscal year:**  
Focus shifts to longer-term adjustments

Information technology

**64%**

All departments (except engineering, 43%)

**>50%**

Research and development

**64%**

Operations

**56%**

## Resiliency and reduction in CO<sub>2</sub> emissions are not mutually exclusive

### Top 3 energy concerns this winter

In % of respondents indicating greater concern than last winter, multiple selections possible

### Focus on reducing CO<sub>2</sub> emissions

% of respondents planning to reduce CO<sub>2</sub> emissions in the next 10 years

Unstable electricity systems

**43%**

Insufficient natural gas supply

**41%**

Complete interruption of supply chains

**39%**

Plan to decarbonize internal operations by 10% or more

**92%**

Plan to decarbonize delivery of products and services by 20% or more

**82%**

## Lacking the fuel for transformation

### Biggest challenges in managing decarbonization aside from financial limitations:



Available public energy infrastructure



Qualified personnel

## High hopes that artificial intelligence will be part of the solution

### Top 3 technologies to help achieve energy transition

In % of respondents, multiple selections possible

Artificial intelligence

**46%**

Process digitization tools

**36%**

Platform-based manufacturing

**34%**

To get more detailed results and learn what this means for you from our experts, please reach out to:



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