



Future of Energy

Future of Energy & Manufacturing and Industrials

The global shift in energy generation, supply, and demand entails technological, economic, and social changes to create a sustainable and reliable energy system. This involves modifying energy production, consumption, and infrastructure to reduce emissions, enhance efficiency, and improve security, while recalibrating the energy mix to include both fossil and non-fossil fuels.

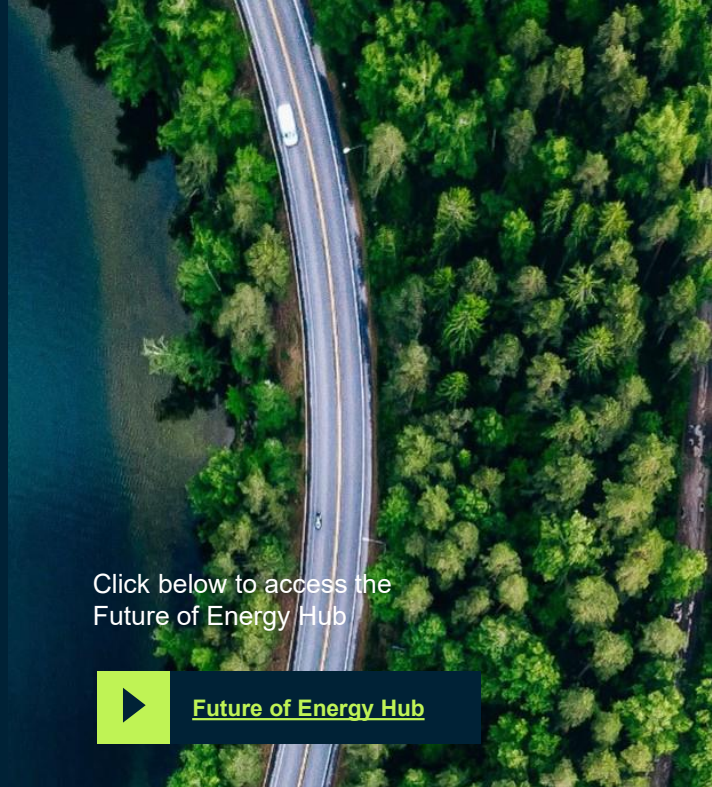
The transformation of the global energy sector is poised to revolutionize the Manufacturing and Industrials sector by fundamentally altering its operational dynamics. As industries shift towards renewable energy sources and sustainable practices, production processes and supply chains will be majorly impacted.

Businesses will need to adopt cleaner technologies, such as electrification and hydrogen-based systems, to reduce their carbon footprint and comply with stringent regulations.

This transition will not only drive innovation in manufacturing but also reshape global competitiveness. The growing demand for renewable energy technologies spurs innovation in areas such as energy storage, electric vehicles, and smart grids. This shift also allows companies to expand into emerging markets related to renewable energy, including the production of hydrogen fuel cells and the development of advanced battery technologies for example, thereby diversifying their portfolios and tapping into new revenue streams.

Embracing these changes will be crucial for industries to thrive. However, the shift towards a lower carbon economy also presents several challenges that industries must navigate:

- **Capital expenditure:** transitioning to renewable energy often requires upfront costs, with return on investment taking several years.
- **Technological and operational hurdles:** integrating renewable energy sources can be complex, and backup systems may also be required to ensure a reliable energy supply.



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- **Regulatory uncertainty:** changes in government policies can impact strategic planning.
- **Supply chain constraints:** renewable energy technologies often rely on specific raw materials, which may be subject to supply constraints and price volatility.

How we can help

- Our experienced team is dedicated to assisting industrial clients in understanding and addressing the legal aspects of their energy transition initiatives, contributing to a more environmentally responsible and efficient industrial landscape.
- We help recalibrate long and complex supply chains for more sustainable and efficient operations. **We work with the world's largest businesses on supply chain concerns.**
- We advise on green technology investments, collaborations and partnerships. **We have advised on more than US\$740bn in M&A transactions worldwide.**



Hogan Lovells is proficient. The team is well-resourced and very responsive."

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