



# How factories use solar energy to generate electricity

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A new report from the World Economic Forum identifies factories of the future that are reshaping manufacturing through the early adoption of game-changing technologies.

Manufacturers make workplace safety a talent magnet and productivity driver, using smart tech and human-centric design to boost retention and resilience.

Semiconductor manufacturing requires huge amounts of water to form ultrapure water, impacting the local environment and needing innovation and scrutiny.

AI is transforming factories, optimizing production, cutting costs and boosting sustainability - the Global Lighthouse Network provides examples.

AI is transforming manufacturing - but while technology may define what's possible, it's people who drive adoption, speed, and impact. The World Economic Forum has gathered data from its Global ...

From AI-assisted design to digitally enabled sustainability, manufacturing is being re-engineered as a living system. What strategies will define the next generation of globally competitive ...

Why strive for Industry 4.0 Building the factories of the future Microfactories certainly look like the factories of the future, but how does a manufacturer know if it should change its entire ...

Connected factories track the location of labour, materials, machines, and moveable assets in real time. IIoT digitizes the production environment by integrating the Manufacturing ...

10 new manufacturing sites have joined the World Economic Forum's Global Lighthouse Network. There are now 54 "Lighthouses", the world's most advanced factories, which are leading the ...



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Global challenges are rewiring supply chains and manufacturing companies are rethinking their operations. From Brazil to Singapore, here's how six countries are managing the shift.

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