Re-Industrialisation of Ukraine for the 21st century

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Energy, Technology, Market and Service Transition

Now

Bloomberg

~ 2050

IEA
IRENA
IPCC
Zep
Export focus

New Technologies

New Markets

National advantages

Awareness of new opportunities

Competition and risk

Near term actions Now to 2025
EU energy 2050 roadmap anticipates ~1,000 GW of wind power
Solar Photovoltaic covering ~1+ % of Europe

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Sources: Solar Intelligence research, 15 Feb 2016
Ukraine has reserves of Lithium – essential for modern batteries.

This is the enormous Gigafactory, where Tesla will build its future.

Tesla Giga Factory under construction – Largest building on earth.

Finland
Norway
Belgium

Ukraine has reserves of Lithium – essential for modern batteries.
Chemical capture process

Carbon Capture and storage

CO2 transport infrastructure

New facilities completed on a weekly bases from 2040
Changing Trade Restriction on Imbedded Carbon

Border Adjustment Mechanism (BAM)

A tax on imported goods (Cement) with high CO2 emissions
Technological
Financial
Regulatory
Launched December – the Dutch are starting to look at decarbonisation on the system level

Energieagenda
Naar een CO$_2$-arme energievoorziening