

Power-to-X (also known as PtX or P2X) is a collective term for conversion technologies that turn electricity into carbon-neutral synthetic fuels, such as hydrogen, synthetic natural gas, liquid ...

Power-to-X (PtX) is an innovative approach to energy conversion that plays a pivotal role in the global transition towards a greener, more sustainable energy system. At its core, PtX technologies convert renewable electricity into other forms of energy carriers, such as hydrogen, synthetic fuels, chemicals, or heat.

The International Power-to-X Hub is a centre of expertise and collaboration for innovative and sustainable green hydrogen and Power-to-X value chains. Together with our partners, we identify Power-to-X solutions that are adapted to the specifics of each country and lead to sustainable economic transformation.

??X??(Power-to-X)????????????,??,??X????????????????

Power-to-X(P2X)?:????????????????,????????????????,????????????????,????????????,? ?? ?????????????????????

To reach the target of net zero CO₂ emissions by mid-century, the power, industry and mobility sectors have to be coupled in order to provide renewable energy to support their decarbonization. Green hydrogen is the technological answer for sector coupling.

Organized on November 22, 2023 in Hanoi, the workshop "PtX global perspectives and Viet Nam GH₂ Insights" provided a platform for the officials and experts of the field to discuss future directions of the Power-to-X (PtX) and green hydrogen industry in Viet Nam.

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The PtX Hub's work in Vietnam at a glance. 1. Building capacities in PtX. Conducting the basic PtX.Training; Including Vietnamese energy experts into the Train-the-trainers programme; ...

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private and public ...

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Power-to-X enables us to produce anything historically dependent on fossil fuels with renewable electricity and carbon. These sustainable, climate neutral e-fuels and chemicals can ...

Power-to-X enables us to produce anything historically dependent on fossil feedstocks, now using only air or carbon from biogenic residues and renewable electricity. These sustainable, climate neutral e-fuels and chemicals can defossilise high-emission industries, including the chemical, fertiliser, steel, and cement industry, as well as ...

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