



**SolarTech Power Solutions**

# **Russian Hydrogen Energy Base Station**



## Overview

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Russia's hydrogen strategy was further fleshed out with the October 2020 release of the Roadmap for Hydrogen Development until 2024. The document outlines, still in broad terms but with some detail.

### What is Russia's New Hydrogen Energy Plan?

The Russian government's most recent and most detailed release, the Concept for the Development of Hydrogen Energy in Russia (August 2021), is the first step in the lengthy action plan outlined in the roadmap.

### Will Enel develop a green hydrogen project in Russia?

Europe's biggest utility Enel is looking to develop a green hydrogen project in Russia as part of plans to expand its renewable energy business in the country. There is a successful demonstration project, the hydrogen-powered tram in St. Petersburg developed by the Krylov State Research Centre in 2020.

### How can Russia become a global exporter of hydrogen?

Secure Russia's role as one of the largest global exporters of hydrogen, its energy mixes, hydrogen tech and products to Asia-Pacific and the EU. Commence widely implementing hydrogen technologies in transportation, power and industry. Source: Concept of Hydrogen Energy Development in the Russian Federation | Web-site of the Russian Government.

### What is Russia's Hydrogen strategy?

Russia's hydrogen strategy is not solely based on the country's strengths. All strategy documents acknowledge changing global demand in the face of the energy transition, and Russia's hydrogen strategy is clearly an attempt to adapt. As a major hydrocarbon producer, Russia also faces compounding risks in a decarbonizing global economy.

### Is hydrogen energy a strategic direction of Russia's technological development?

Hydrogen energy is considered as one of the strategic directions of Russia's technological development. Bulletin of Atomprom 7, 6-14 (2023) 58. Betting on technology. Bulletin of Atomprom 7, 15-17 (2023) 59. In recent years, there has been a huge leap in the development of green hydrogen energy. Bulletin of Atomprom 7, 18-21 (2023).

Can Russia develop hydrogen energy?

The government has approved its overall concepts for developing hydrogen energy in Russia, which call for the creation of a hi-tech export-oriented sector with an annual export volume of up to 50 million tonnes of hydrogen by 2050.

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