

Russian Atlas of Low-Carbon and Carbon-Free **Hydrogen and Ammonia Production Projects**



Kaliningrad Region

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- 2. Rosatom: Green Hydrogen

Republic of Crimea

3. H2: Green Hydrogen

Krasnodar Territory

4. Lukoil: Green Hydrogen

Saratov Region

- 5. Special Project Company Gornyj: Blue Ammonia **Moscow Region**
- 6. Research and Test Center of Rocket and Space Industry:17. H2: Green Hydrogen Green Hydrogen

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- 8. Agency for Economic Development of the Leningrad Region: Green Hydrogen
- 9. Agency for Economic Development of the Leningrad Region: Blue Hydrogen / Ammonia Republic of Karelia
- 10. En+ Group: Green Hydrogen / Ammonia

Republic of Tatarstan

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Magadan Region

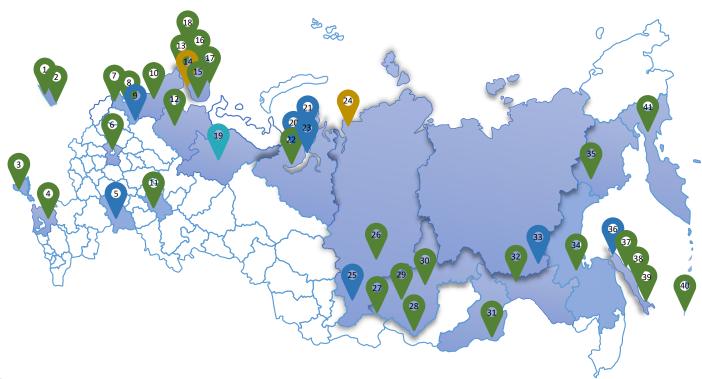
35. H2 Clean Energy: Green Hydrogen Sakhalin Region

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Denis Manturov

Minister of Industry and Trade of the
Russian Federation

«The Ministry of Industry and Trade of the Russian Federation in cooperation with industrial and energy organizations have systematized more than 40 projects to produce low-carbon and carbon-free hydrogen and ammonia from various raw materials.

On this basis we created Russian Atlas, which serves as a reference point for investors and mechanical engineers.

Russian hydrogen projects will contribute to the decarbonization of industry, energy and the entire economy».



The Kronshtadt Group: Green Hydrogen

Project description:

Green hydrogen production via hydro power plant electrolysis

Implementation period: 2023

Location: Kaliningrad Region, the city of Svetly

Target markets: domestic market of Russia, European countries Production capacity forecast: 2 700 tons of hydrogen per year

Participants:

- Kronshtadt
- Sodrugestvo
- Atomenergomash
- Others

Svetly (city), Kaliningrad Region

Project scheme:



Hydro power plant

Electricity generation



Electrolysis Green hydrogen production



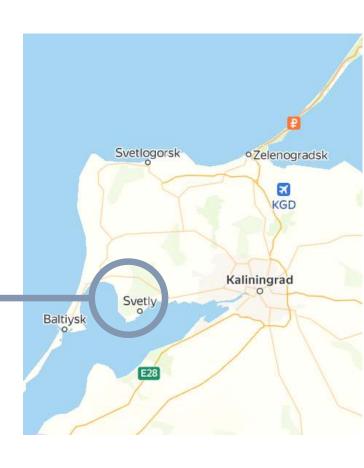
Logistics

Hydrogen transportation to customers within Russia and European countries



Consumption

Long-term contracts with Russian and European customers







Rosatom: Green Hydrogen

Project description:

Green hydrogen production via wind power plant electrolysis

Pilot production launch: 2024 Location: Kaliningrad Region

Target markets: domestic market of Russia, European countries

Participants:

- Rosatom
- Others

Kaliningrad Region

Project scheme:



Wind power plant Electricity generation



Electrolysis Green hydrogen production



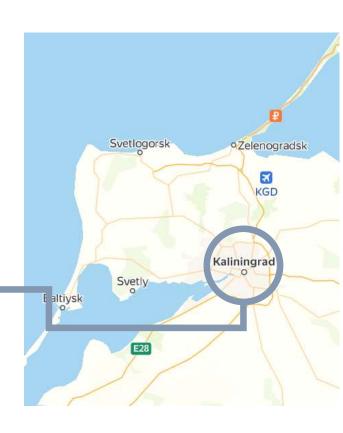
Logistics Hydrogen

transportation to customers within Russia and European countries



Consumption

Long-term contracts with Russian and European customers





3

Donetsk

H2: Green Hydrogen

Project description:

Green hydrogen production via wind power plant electrolysis

Pilot production launch: 2023 Location: Republic of Crimea

Target markets: domestic market of Russia

Production capacity forecast: 10 000 tons of hydrogen per year

Participants:

- H2
- Others

Republic of Crimea

Project scheme:



Wind power plant Electricity generation



Electrolysis
Green hydrogen
production



Logistics
Hydrogen
transportation to
customers within Russia



Consumption
Long-term contracts with
Russian customers



Zaporizhzhia





Lukoil: Green Hydrogen

Project description:

Green hydrogen production via solar power plant electrolysis

Implementation period: 2023

Location: Krasnodar Territory, the city of Krasnodar

Target markets: domestic market of Russia, European countries Production capacity forecast: 13 tons of hydrogen per year

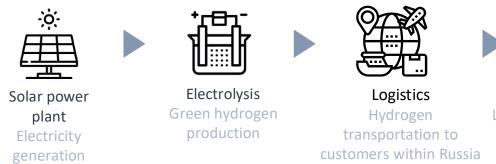
Participants:

- Lukoil
- Others

Krasnodar (city), Krasnodar Territory

and European countries

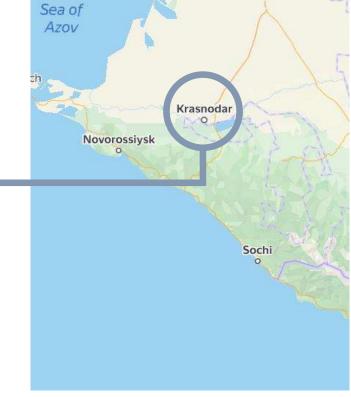
Project scheme:





Consumption
Long-term contracts with

Russian and European customers







Special Project Company Gornyj: Blue Ammonia

Project description:

Blue ammonia production by steam conversion of methane with CO2 capture

Implementation period: 2026

Location: Saratov Region, Mikhailovsky village

Target markets: domestic market of Russia, European countries and the Asia-Pacific region

Production capacity forecast by 2026: 20 000 tons of ammonia per year Production capacity forecast by 2030: 170 000 tons of ammonia per year

Participants:

- Special Project Company Gornyj
- Others

Mikhailovsky village, Saratov Region

Project scheme:





Blue ammonia production



CO2 capture and utilisation with microalgae

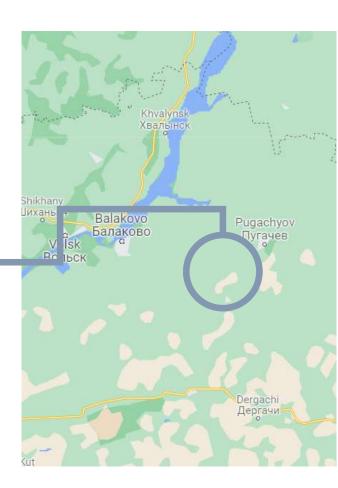


Logistics

Hydrogen transportation to customers within Russia, European countries and the Asia-Pacific region



Consumption





Research and Test Center of Rocket and Space Industry:

Green Hydrogen

Project description:

Green hydrogen production via the Uglichsk HPP and the Zagorsk HPP electrolysis

Implementation period: 2021

Location: Moscow Region, the city of Peresvet Target markets: domestic market of Russia

Production capacity: 400 tons of hydrogen per year

Production capacity forecast by 2024: 800 tons of hydrogen per year

Participants:

- Research and Test Center of Rocket and Space Industry
- Others

Peresvet (city), Moscow Region

Project scheme:



Hydro power plant

Electricity generation



Electrolysis
Green hydrogen
production



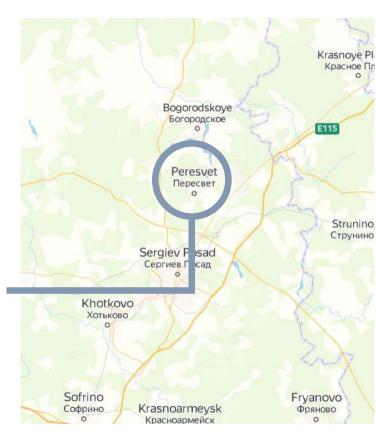
Logistics
Hydrogen
transportation to
customers within Russia



Consumption Long-term contracts w

Long-term contracts with Russian customers







Agency for Economic Development of the Leningrad Region:

Green Hydrogen

Project description:

Green hydrogen production via wind power plant electrolysis

Implementation period: 2023 Location: Leningrad Region

Target markets: domestic market of Russia, European countries Production capacity forecast: 3 500 tons of hydrogen per year

Participants:

- Agency for Economic Development of the Leningrad Region
- Others

Leningrad Region

Project scheme:



Wind power plant Electricity generation



Electrolysis
Green hydrogen
production



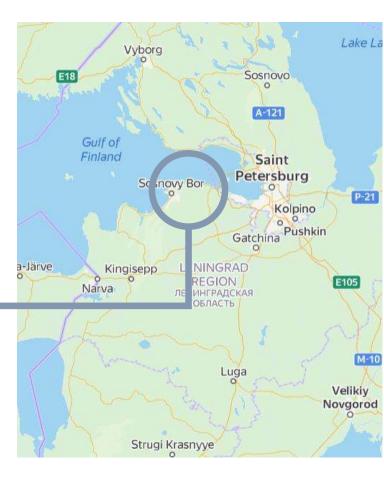
Logistics Hydrogen transportation to

customers within Russia and European countries



Consumption

Long-term contracts with Russian and European customers





Agency for Economic Development of the Leningrad Region:

Green Hydrogen

Project description:

Green hydrogen production via small hydro power plant electrolysis

Implementation period: 2023 Location: Leningrad Region

Target markets: domestic market of Russia, European countries Production capacity forecast: 1 000 tons of hydrogen per year

Participants:

- Agency for Economic Development of the Leningrad Region
- Others

Leningrad Region

Project scheme:



Hydro power plant Electricity generation



Electrolysis Green hydrogen production



Logistics Hydrogen

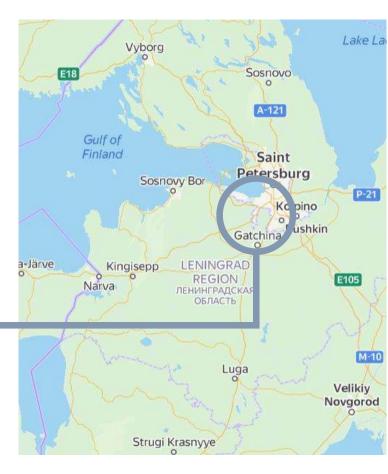
transportation to customers within Russia and European countries





Consumption

Long-term contracts with Russian and European customers





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Agency for Economic Development of the Leningrad Region:

Blue Hydrogen / Ammonia

Project description:

Blue hydrogen / ammonia production by steam conversion of methane with CO2 capture at Gas Chemical Enterprises in Leningrad Region

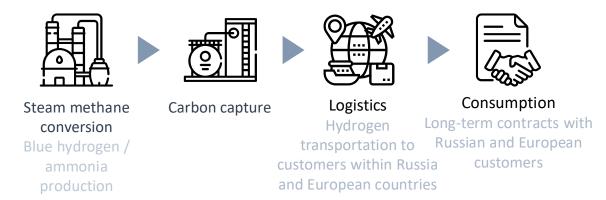
Implementation period: 2023 Location: Leningrad Region

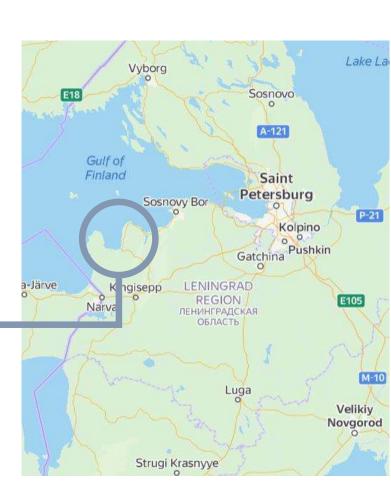
Target markets: domestic market of Russia, European countries Production capacity forecast: 1 000 tons of hydrogen per year

Participants:

- Agency for Economic Development of the Leningrad Region
- Others

Leningrad Region









Project description:

Green hydrogen / ammonia production via the Ondsk hydro power plant electrolysis

Implementation period: 2024

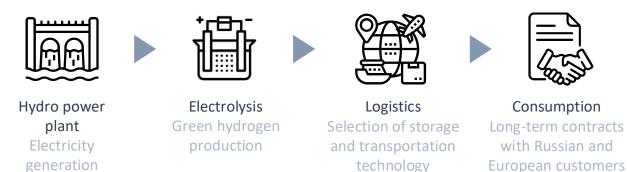
Location: Republic of Karelia, the village of Kamenny Bor

Target markets: domestic market of Russia, European countries Production capacity forecast: 5 200 tons of hydrogen per year

Participants:

- En+ Group
- Others

The village of Kamenny Bor, Republic of Karelia









Tatenergo: Green Hydrogen

Project description:

Green hydrogen production via the Nizhnekamsk hydro power plant electrolysis

Implementation period: 2024 Location: Republic of Tatarstan

Target markets: domestic market of Russia, European countries and the Asia-Pacific region

Production capacity forecast: 2 500 tons of hydrogen per year

Participants:

- Tatenergo
- Others

Republic of Tatarstan

Project scheme:



Hydro power plant Electricity

generation



Electrolysis Green hydrogen production



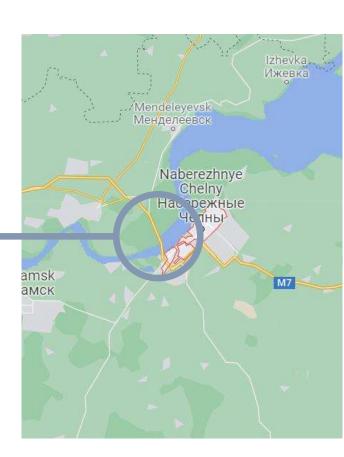


Logistics

Hydrogen transportation to customers within Russia, European countries and the Asia-Pacific region



Consumption







Regional Development Agency of the Arkhangelsk Region:

Green Hydrogen

Project description:

Green hydrogen production via the Mezensk tidal power plant electrolysis

Pilot production launch: 2030

Location: Archangel Region, Mezensky Area, Mezensky Bay

Target markets: domestic market of Russia, European countries and the Asia-Pacific

region

Production capacity forecast by 2030: 500 000 tons of hydrogen per year Production capacity forecast by 2033: 1 million tons of hydrogen per year

Participants:

- Regional Development Agency of the Arkhangelsk Region
- NordEnergoGroup

Others

Mezensky Area, Mezensky Bay, Archangel Region

Project scheme:





generation



Electrolysis
Green hydrogen
production









Consumption

Hydrogen transportation to Long-term contracts with customers within Russia, Russian, European and European countries and the Asia- Asia-Pacific customers Pacific region





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Rusnano: Green Hydrogen

Project description:

Green hydrogen production via the Kolsk wind power plant electrolysis

Implementation period: 2024 Location: Murmansk Region

Target markets: domestic market of Russia, European countries Production capacity forecast: 12 000 tons of hydrogen per year

Participants:

Rusnano

Enel

Others

The Port of Murmansk, Electrolysis production, Murmansk Region

The Kolskaya WPP, Murmansk Region

Project scheme:



Wind power plant Electricity generation



Electrolysis Green hydrogen production



Logistics

Selection of storage and transportation technology



Consumption

Long-term contracts with Russian and European customers





Rosatom: Low Carbon Hydrogen

Project description:

Low carbon hydrogen production via the Kolsk nuclear power plant electrolysis

Pilot production launch: 2024

Achieving industrial production capacity: 2030

Location: Murmansk Region

Target markets: domestic market of Russia, European countries

Production capacity forecast by 2024: 150 tons of hydrogen per year

Participants:

Rosatom

Others

The Kolskaya NPP, Murmansk Region

Project scheme:



Nuclear power plant

Electricity generation



Electrolysis Hydrogen production



Liquefaction and storage



Logistics

Hydrogen transportation to customers within Russia European customers and European countries



Consumption

Long-term contracts with Russian and





H4Energy: Green Hydrogen / Ammonia

Project description:

Green hydrogen / ammonia production via hydro power plant electrolysis

Pilot production launch: 2024 Location: Murmansk Region

Target markets: domestic market of Russia, European countries and the Asia-Pacific region

Production capacity forecast by 2024: 17 000 tons of hydrogen per year Production capacity forecast by 2030: 170 000 tons of hydrogen per year

Participants:

- H4Energy
- **H2Trasition Capital**
- **Eurasia Mining**

Others

Murmansk Region

Project scheme:



Hydro power plant Electricity

generation



Electrolysis Green hydrogen



production



Logistics

Hydrogen transportation to customers within Russia, European countries and the Asia-Pacific region



Consumption





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H2 Clean Energy: Green Hydrogen

Project description:

Green hydrogen production via hydro power plant electrolysis

Implementation period: 2025 Location: Murmansk Region

Target markets: domestic market of Russia, European countries Production capacity forecast: 16 000 tons of hydrogen per year

Participants:

- H2 Clean Energy
- TGC-1
- Others

Murmansk Region

Project scheme:



Hydro plant power Electricity generation



Electrolysis
Green hydrogen
production



Logistics

Hydrogen transportation to customers within Russia and European countries



Consumption

Long-term contracts with Russian and European customers





17

H2: Green Hydrogen

Project description:

Green hydrogen production via wind power plant electrolysis

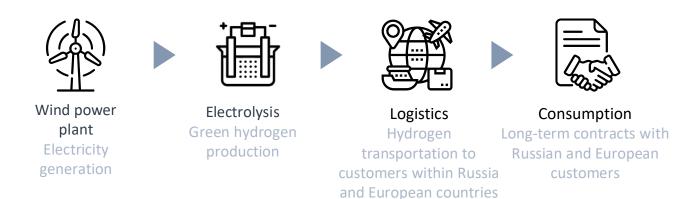
Implementation period: 2024 Location: Murmansk Region

Target markets: domestic market of Russia, European countries Production capacity forecast: 10 000 tons of hydrogen per year

Participants:

- H2
- Others

Murmansk Region









Gazprom Energoholding Group: Green Hydrogen / Ammonia

Project description:

Green hydrogen / ammonia production via hydro power plant electrolysis

Implementation period: 2024 Location: Murmansk Region

Target markets: domestic market of Russia, European countries

Production capacity forecast by 2024: 2 000 tons of hydrogen per year Production capacity forecast by 2030: 20 000 tons of hydrogen per year

Participants:

Gazprom Energoholding Group

• TGC-1

Others

Murmansk Region

Project scheme:



Hydro power plant Electricity generation



Electrolysis
Green hydrogen
production



Hydrogen transportation to customers within Russia

and European countries

Logistics

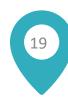


Consumption

Long-term contracts with Russian and European customers







Komi Center for Entrepreneurship Development: Turquoise Hydrogen

Project description:

Turquoise hydrogen production by methane pyrolysis at the Sosnogorsk GPP

Pilot production launch: 2024

Location: Komi Republic, the city of Sosnogorsk

Target markets: domestic market of Russia, European countries and the Asia-Pacific region

Production capacity forecast: 2 000 tons of hydrogen per year

Participants:

- Komi Center for Entrepreneurship Development
- Others

Sosnogorsk (city), Komi Republic

Project scheme:



Methane pyrolysis

Turquoise hydrogen production



Logistics

Hydrogen transportation to customers within Russia, European countries and the Asia-Pacific region



Consumption





NOVATEK: Blue Hydrogen / Ammonia

Project description:

Natural gas processing complex with production of hydrogen, ammonia and other low-carbon products using CO2 capture and long-term underground storage technologies

Implementation period: 2027

Location: Yamalo-Nenets Autonomous Area, Yamal Peninsula (Sabetta)

Target markets: domestic market of Russia, European countries and the Asia-Pacific region

Production capacity forecast: 2.2 million tons of ammonia per year

Participants:

NOVATEK

Others

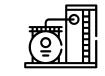
The Obsky Gas Chemical Complex, Yamalo-Nenets Autonomous Area

Project scheme:



Refining and gas chemistry





Carbon capture and injection into geological formations

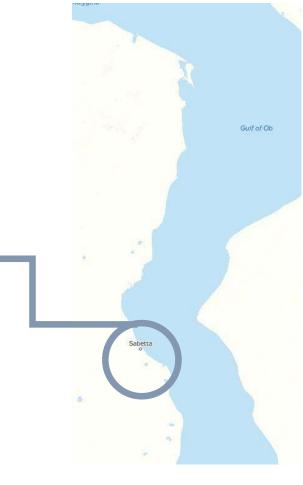


Logistics Hydrogen transportation

to customers within Russia, European countries and the Asia-Pacific region



Consumption







Corporation Energy: Blue Ammonia / Hydrogen

Project description:

Blue ammonia production by steam conversion of methane with CO2 capture technologies and long-term underground storage

Implementation period: 2025

Location: Yamalo-Nenets Autonomous Area, Baidaratskaya Bay

Target markets: domestic market of Russia, European countries and the Asia-Pacific region

Production capacity forecast: 2.2 million tonnes of ammonia per year

Participants:

- Corporation Energy
- TOYO Engineering Corporation
- ITOCHU Plantech Inc
- Others

Baidaratskaya Bay, Yamalo-Nenets Autonomous Area

Project scheme:



Steam methane conversion

Blue ammonia production



CO2 capture and long-term underground storage



Logistics

Hydrogen transportation to customers within Russia, European countries and the Asia-Pacific region



Consumption







Corporation Energy: Green Hydrogen

Project description:

Green hydrogen production via wind power plant electrolysis

Implementation period: 2025

Location: Yamalo-Nenets Autonomous Area, Baidaratskaya Bay

Target markets: domestic market of Russia, European countries and the Asia-Pacific region

Participants:

- **Corporation Energy**
- Others

Baidaratskaya Bay, Yamalo-Nenets Autonomous Area

Project scheme:



Wind power plant Electricity generation



Electrolysis Green hydrogen production



Hydrogen transportation to customers within Russia, European countries and the Asia-Pacific region

Logistics











Corporation Energy: Blue Ammonia / Hydrogen

Project description:

Blue ammonia production by steam conversion of methane with CO2 capture technologies and long-term underground storage

Implementation period: 2026

Location: Yamalo-Nenets Autonomous Area, Seyakha (settlement)

Target markets: domestic market of Russia, European countries and the Asia-Pacific region

Production capacity forecast: 2.2 million tonnes of ammonia per year

Participants:

- Corporation Energy
- TOYO Engineering Corporation
- ITOCHU Plantech Inc

Others

Seyakha,

Yamalo-Nenets Autonomous Area

Project scheme:

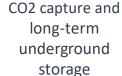


Steam methane conversion

Blue ammonia production







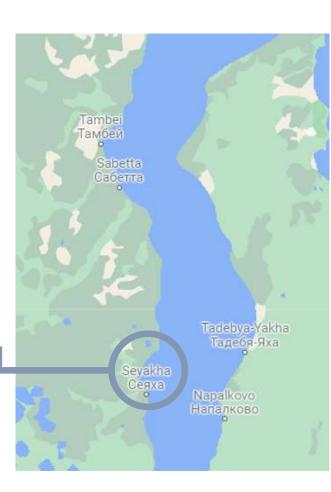




Hydrogen transportation to customers within Russia, European countries and the Asia-Pacific region



Consumption







North Star: Low Carbon Hydrogen

Project description:

Low carbon hydrogen production via pulverized coal power plant electrolysis

Pilot production launch: 2024

Location: Krasnoyarsk Territory, Taimyr Peninsula, Syradasaysk Reservoir

Target markets: domestic market of Russia, European countries and the Asia-Pacific region

Participants:

- North Star
- Others

Syradasaysk Reservoir, **Krasnoyarsk Territory**

Project scheme:



Conversion of an industrial product obtained as a result of coal enrichment



Pulverized CPP Electricity generation



Electrolysis Hydrogen production



Logistics Selection of storage

technology



Consumption

Long-term contracts and transportation with Russian, European and Asia-Pacific customers



Yeniseyskiy

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SUEK: Blue Ammonia

Project description:

Blue ammonia production by lignite gasification using CO2 capture and injection into oil reservoirs

Implementation period: 2027 Location: Krasnoyarsk Territory

Target markets: domestic market of Russia, the Asia-Pacific region Production capacity forecast: 800 000 tons of ammonia per year

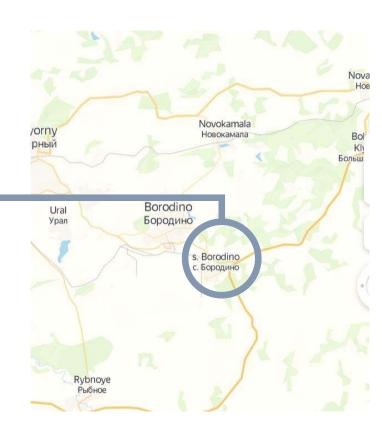
Participants:

SUEK

Others

Borodinsky Razrez, Krasnoyarsk Territory









Project description:

Green hydrogen / ammonia production via the Motyginsk hydro power plant electrolysis

Implementation period: 2030

Location: Krasnoyarsk Territory, Motygino Settlement

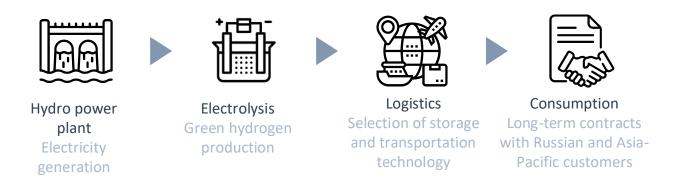
Target markets: domestic market of Russia, the Asia-Pacific region Production capacity forecast: 115 600 tons of hydrogen per year

Participants:

• En+ Group

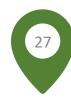
Others

Motygino Settlement, Krasnoyarsk Territory









Project description:

Green hydrogen / ammonia production via the Bratsk hydro power plant electrolysis

Implementation period: 2024

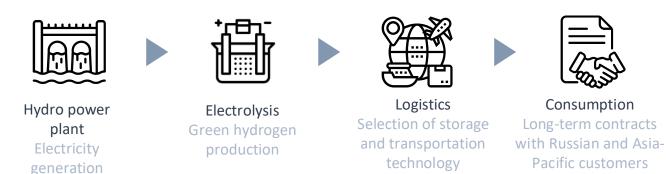
Location: Irkutsk region, the city of Bratsk

Target markets: domestic market of Russia, the Asia-Pacific region Production capacity forecast: 3 000 tons of hydrogen per year

Participants:

- En+ Group
- Others

Bratsk (city), Irkutsk Region









Project description:

Green hydrogen / ammonia production via the Ust-Ilimsk hydro power plant electrolysis

Implementation period: 2024

Location: Irkutsk region, the city of Ust-Ilimsk

Target markets: domestic market of Russia, the Asia-Pacific region Production capacity forecast: 5 400 tons of hydrogen per year

Participants:

- En+ Group
- Others

Ust-Ilimsk (city), Irkutsk Region

Project scheme:



Hydro power plant Electricity generation



Electrolysis Green hydrogen production





Logistics Selection of storage and transportation technology



Consumption

Long-term contracts with Russian and Asia-Pacific customers







Project description:

Green hydrogen / ammonia production via the Irkutsk hydro power plant electrolysis

Implementation period: 2024

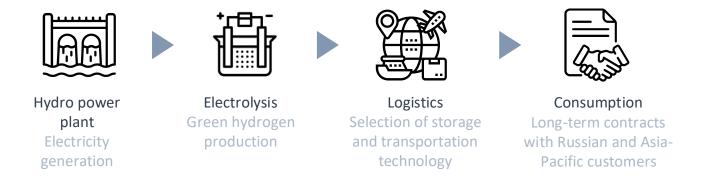
Location: Irkutsk region, the city of Irkutsk

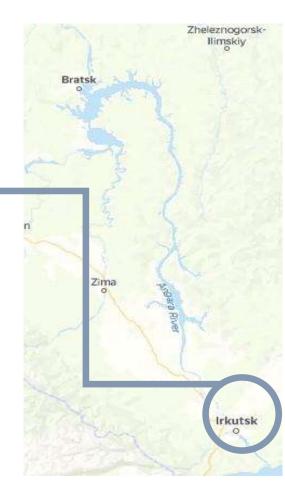
Target markets: domestic market of Russia, the Asia-Pacific region Production capacity forecast: 4 200 tons of hydrogen per year

Participants:

- En+ Group
- Others

Irkutsk (city), Irkutsk region









H2 Clean Energy: Green Hydrogen

Project description:

Green hydrogen production via the Mamakansk hydro power plant electrolysis

Implementation period: 2025

Location: Irkutsk Region, Bodaybo Area Target markets: domestic market of Russia

Production capacity forecast: 6 000 tons of hydrogen per year

Stockholders:

- **H2 Clean Energy**
- **Polyus**
- Others

Bodaybo Area, Irkutsk Region

Project scheme:



Hydro power plant Electricity generation



Electrolysis Green hydrogen production



Logistics Hydrogen transportation to customers within Russia



Consumption

Long-term contracts with Russian customers







Unigreen Energy: Green Hydrogen

Project description:

Green hydrogen production via solar power plant electrolysis

Pilot production launch: 2023 Location: Trans-Baikal Territory

Target markets: domestic market of Russia, the Asia-Pacific region Production capacity forecast: 3 200 tons of hydrogen per year

Participants:

- Unigreen Energy
- Special Design Engineering Bureau in Electrochemistry with Experimental Factory

Others

Trans-Baikal Territory

and the Asia-Pacific region









Agency of the Amur Region for Attracting Investment:

Green Hydrogen

Project description:

Green hydrogen production via hydro power plant electrolysis

Implementation period: 2027

Location: Amur Region

Target markets: domestic market of Russia, the Asia-Pacific region Production capacity forecast: 110 000 tons of hydrogen per year

Participants:

- Agency of the Amur Region for Attracting Investment
- Others

Amur Region

Project scheme:



Hydro power plant Electricity

generation



Electrolysis
Green hydrogen
production



Logistics

Hydrogen transportation to customers within Russia and the Asia-Pacific region



Consumption







NORTH-EAST ALLIANCE: Blue Ammonia

Project description:

Blue ammonia production based on gas fields with CO2 capture technologies

1st stage implementation: 2026 2nd stage implementation: 2030 Location: Republic of Sakha (Yakutia)

Target markets: domestic market of Russia, the Asia-Pacific region

Production capacity forecast by 2026: 3 million tons of ammonia per year Production capacity forecast by 2030: 6 million tons of ammonia per year

Participants:

- NORTH-EAST ALLIANCE
- Gas production companies in Western Yakutia
- Others

Project scheme:

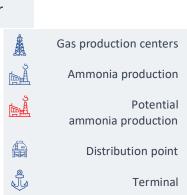
production



tanks

within Russia

and the Asia-Pacific region



customers





JSFC Sistema: Green Hydrogen

Project description:

Green hydrogen production via the Tugur tidal power plant electrolysis

Implementation period: 2035

Location: Khabarovsk Territory, Tugur Bay

Target markets: domestic market of Russia and the Asia-Pacific region Production capacity forecast: 350 000 tons of hydrogen per year

Participants:

- Joint Stock Financial Corporation «Sistema»
- Tyazhmash
- Khabarovsk Krai Investment and Innovation **Promotion Agency**
- Others

Tugur Bay, Khabarovsk Territory

Project scheme:



Tidal power plant Electricity

generation



Electrolysis Green hydrogen production





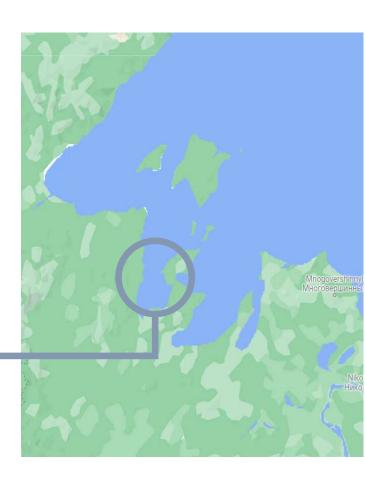




Logistics Consumption

customers within Russia and Russian and Asia-Pacific the Asia-Pacific region

Hydrogen transportation to Long-term contracts with customers







H2 Clean Energy: Green Hydrogen

Project description:

Green hydrogen production via the Ust-Srednekansk hydro power plant electrolysis

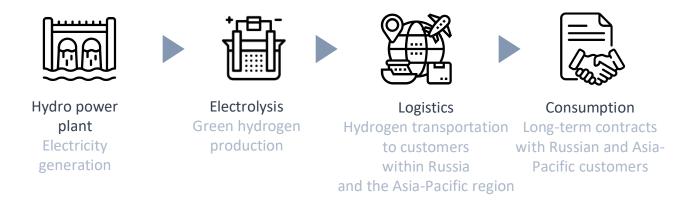
Implementation period: 2025 Location: Magadan Region

Target markets: domestic market of Russia, the Asia-Pacific region Production capacity forecast: 16 000 tons of hydrogen per year

Participants:

- H2 Clean Energy
- RusHydro
- Others

Magadan Region









Rosatom: Blue Hydrogen / Ammonia

Project description:

Blue hydrogen / ammonia production by methane steam conversion with CO2 capture

Pilot production launch: 2024

Location: Sakhalin Region, Sakhalin Island

Target markets: domestic market of Russia, the Asia-Pacific region

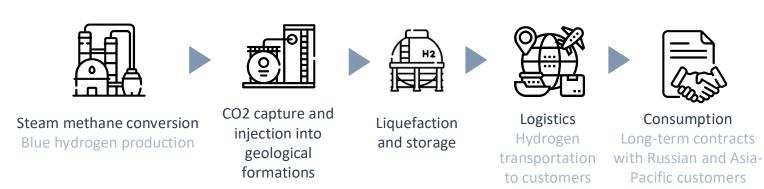
Production capacity forecast by 2024: 30 000 tons of hydrogen per year Production capacity forecast by 2030: 100 000 tons of hydrogen per year

Participants:

- Rosatom
- Air Liquide
- Others

Sakhalin Island, Sakhalin Region

within Russia and the Asia-Pacific region









Rosatom: Green Hydrogen

Project description:

Green hydrogen production via wind power plant electrolysis

Pilot production launch: 2025

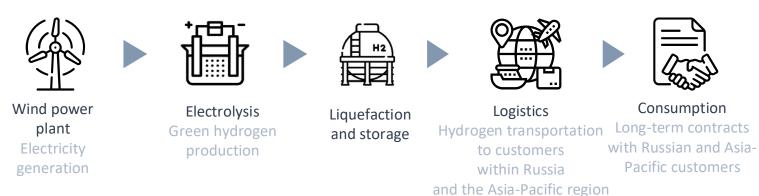
Location: Sakhalin Region, Sakhalin Island

Target markets: domestic market of Russia, the Asia-Pacific region

Participants:

- Rosatom
- Others

Sakhalin Island, Sakhalin Region









H2 Clean Energy: Green Hydrogen

Project description:

Green hydrogen production via wind power plant electrolysis

Implementation period: 2025

Location: Sakhalin Region, Sakhalin Island

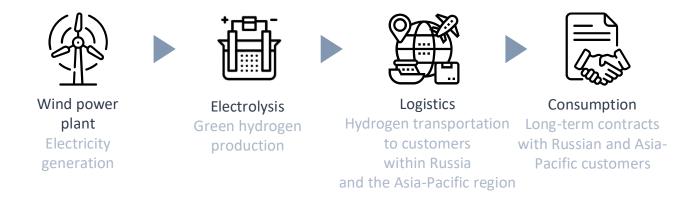
Target markets: domestic market of Russia, the Asia-Pacific region Production capacity forecast: 50 000 tons of hydrogen per year

Participants:

H2 Clean Energy

Others

Sakhalin Island, Sakhalin Region









H4Energy: Green Hydrogen / Ammonia

Project description:

Green hydrogen production via wind power plant electrolysis

Pilot production launch: 2024

Location: Sakhalin Region, Sakhalin Island

Target markets: domestic market of Russia and the Asia-Pacific region Production capacity forecast by 2024: 16 000 tons of hydrogen per year Production capacity forecast by 2030: 150 000 tons of hydrogen per year

Participants:

- H4Energy
- **H2Trasition Capital**
- **Eurasia Mining**
- Sakhalin Oil Company
- Others

Sakhalin Island, Sakhalin Region

Project scheme:







Electrolysis Green hydrogen production



Logistics Hydrogen transportation to customers within Russia

and the Asia-Pacific region



Consumption







H2: Green Hydrogen

Project description:

Green hydrogen production via wind power plant electrolysis

Implementation period: 2023

Location: Sakhalin Region, Kunashir Island

Target markets: domestic market of Russia, the Asia-Pacific region Production capacity forecast: 10 000 tons of hydrogen per year

Participants:

• H2

Others

Kunashir Island, Sakhalin Region

Project scheme:



Wind power plant Electricity generation



Electrolysis
Green hydrogen
production





Logistics

Hydrogen transportation to customers within Russia and the Asia-Pacific region



Consumption







H2 Clean Energy: Green Hydrogen

Project description:

Green hydrogen production via the Penzhinskaya tidal power plant electrolysis

Implementation period: 2031

Location: Kamchatka Territory, Penzhinskaya Bay

Target markets: domestic market of Russia, the Asia-Pacific region Production capacity forecast: 5 million tons of hydrogen per year

Participants:

- H2 Clean Energy
- Development Corporation of Kamchatka
- Others

Penzhinskaya Bay, Kamchatka Territory

Project scheme:



Tidal power plant Electricity

generation



Electrolysis
Green hydrogen
production



LogisticsHydrogen transportation

to customers
within Russia
and the Asia-Pacific region



Consumption

Long-term contracts with Russian and Asia-Pacific customers





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