Riga microgrid benefits

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This would also benefit our aviation sector, and the Latvian national airline AirBaltic would be a direct beneficiary, with immediate, significant economic benefits, especially looking beyond 2030, when at least 20% of aviation fuel will have to be renewable," said Armands Sadauskis, owner of SIA PARS TERMINALS, highlighting the main benefits ...

The participation of the Port of Riga in the hydrogen research project "BalticSeaH2 - Baltic - Nordic Hydrogen Valley" was also discussed, as well as several research projects related to climate neutrality - the possibility of shore power connection for ships and the modernisation of the technical fleet of the Freeport of Riga ...

Microgrids serve industries, institutions, communities and other customers in a range of ways. Here we look at eight main microgrid benefits - from keeping the lights in a storm to lowering energy costs to improving community well-being. Eight microgrid benefits. 1. A microgrid improves electric reliability.

Benefits of Microgrids. There are several benefits to using microgrids, including: [1] Increased Reliability: Microgrids can provide a more reliable source of energy, as they can continue to operate even if the traditional power grid goes down. This is especially important for critical infrastructure such as hospitals, schools, and emergency ...

Energy cost savings: A microgrid can help you to optimise energy costs by using a combination of renewable energy sources, such as solar or wind power, fuel cells and energy storage systems. By reducing reliance on traditional fossil fuel sources, a microgrid can help lower energy costs and improve your bottom line.

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The first Baltic-scale production of renewable fuels – HVO (hydrotreated vegetable oil) and SAF (sustainable aviation fuel) products – will be established in the Port of Riga in cooperation with investors from Ukraine.

These innovative, high value-added products are in high demand in Latvia and Europe as they support climate neutrality and green goals, while the project will significantly boost Latvia’s export capacity and energy independence from foreign fuel supplies.

Today, on November 26, Minister for Climate and Energy Kaspars Melnis visited the Port of Riga with the aim to have a closer look at the project implemented by SIA PARS TERMINALS, to inspect the planned site of the plant in Kundzi?sala, and to discuss other renewable energy projects implemented in the port.

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"Sustainable thinking, by creating a new, long-term demand renewable fuel production facility in the Freeport of Riga, is an economically forward-looking way to increase Latvia’s influence as a sustainable energy producer in the Baltics in a context of declining transit cargo volumes in the region. The renewable fuel plant will strengthen energy independence, create 120 highly skilled jobs, while providing Latvian farmers with stable demand for energy-intensive crops and helping Latvia to meet its climate neutrality goals," said Minister for Climate and Energy Kaspars Melnis during his visit.

The production of renewable fuel is to be based on innovative technologies that enable the creation of environmentally friendly and competitive fuel alternatives from a variety of natural vegetable oil sources. Vegetable oils are to be used as the main biofuel feedstock. The planned plant is the first of its kind and will be unique in the Baltic region.

The planned capacity of the plant will be approximately 236 thousand tonnes of feedstock per year, of which 93 thousand tonnes of HVO and 87 thousand tonnes of SAF are to be produced. The total cost of the project is estimated at up to EUR120 million and it could be completed in 20 months, as all the equipment and technology are already available.