SOLAR PRO. Green energy solutions Slovenia

What is the first Slovenian green gas project?

The first Slovenian green gas project associates key Slovenian companies in the field of management of gas and electricity transmission networks and producers of electricity from various renewable sources.

Is Slovenia implementing a climate strategy?

"The Slovenian energy sector is proving again that it is capable of cooperating and integrating in order to conceive projects which bring benefits to the society, environment and economy. The key for implementing the climate strategy will be the production of green energy and its long-term storage.

How does the CER contribute to the green transition in Slovenia?

Through its activities,it has a positive impact on the activities and behaviour of legislators,politicians,companies,and end users. The CER has undoubtedly become the central driver of the green transition in Slovenia. It unites the most advanced part of the Slovenian economy with the research and academic spheres.

What are the RES of primary energy in Slovenia?

RES of primary energy in Slovenia are water flows, wood, other biomass energy and solar radiation. Direct use of wood biomass is fairly limited to the use in boilers and to the direct combustion.

Is there a potential for res use in Slovenia?

The most sensible potential for an increase of RES use in Slovenia lies in solar (photovoltaics) and minor water potential. Water potential is already about 90 % exploited. Wind energy in Slovenia is too inconsistent for the commercial use. Its energy is very small on average while on the other hand, it is occasionally too strong.

How many solar power plants are there in Slovenia?

The number of solar power plants in Slovenia has increased a lot in recent years and today their total power is approximately 368 MW and cumulative production of 2.6 % electricity. From Table 2 it is clear that main contribution on predicted RES are solar power plants.

CER enables its members to speak unanimously to decision-makers and search for the best solutions and policies that could make Slovenia one of the most aware and advanced countries in circular economy and in the fight against climate change.

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SLOP2G integrates two energy locations in which renewable electricity and surplus electricity in the system will be transformed into green hydrogen, which will be then converted into synthetic methane through methanation process.

Through the RRP reforms and investments to support the green transition, we are supporting the objectives of the Integrated National Energy and Climate Plan of the Republic of Slovenia and contributing to the implementation of the European Green Deal.

Today, the companies Plinovodi, ELES, HSE and HESS have submitted an application to the European Innovation Fund for the Slovenian infrastructure project for green gas and the coalition of electricity and gas sectors - the so called SLOP2G Project

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The Slovenian plan's contribution to the green transition amounts to 42% of its total allocation of EUR 2.5 billion. This exceeds the minimum of 37% required by the RRF Regulation. The plan includes reforms related to renewable energy and sustainable mobility to support the decarbonisation of the energy and transport sectors.

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Slovenia is on the road to take its sustainable narrative to a higher level in the future. The fields of environmentally friendly technologies, cleaner, cheaper and healthier forms of private and public transport, energy sector decarbonisation, efficient energy construction and global environmental

"The HSE Group, as Slovenia"s most important energy company, plays a key and responsible role in Slovenia"s green transition," emphasised Dr Tomaz Stokelj, Managing Director of HSE, and presented the Group"s ambitious plans to rely in the future on renewable sources from the sun, wind and water, as well as on geothermal energy ...

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The aim of this package of measures is to make Europe the world's first climate-neutral continent by 2050. How will the Green Deal impact the energy sector and its future development? The article looks into some of the leading Slovenian energy companies" predictions and expectations.

Cooperation within the EU's Clean Hydrogen Partnership contributes to creating conditions for developing an efficient hydrogen ecosystem, according to the Ministry of the Environment, Climate and Energy. In addition, emerging green technologies are an opportunity for Slovenia's economy.

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