Grid-scale energy storage iran

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Let me also look at this from a human development perspective: clean air, equitable access to energy even in the most remote areas of this huge country, and of course positive impact on climate change and environmental degradation - all of these can be effects of a just transition towards renewable energy.

The SATBA Vision 2031 lays out an ambitious plan to increase Iran"s renewable energy capacity to 30,000 MW by 2030. Achieving this goal will not only diversify Iran"s energy mix but also create green jobs and reduce environmental degradation. To realize this vision, we must address key action points, including policy reform, infrastructure investment, and capacity building.

Discussions emphasized the need for reforming energy subsidies to incentivize renewable investments, and the importance of grid integration technologies like energy storage and smart grids to manage the variability of solar and wind power. Advanced technologies such as pumped storage hydro and battery systems will be crucial for stabilizing the grid and ensuring a reliable energy supply. Iran"s vast potential in pumped hydro exceeds the need when it comes to supporting a fully 100% solar and wind energy -dependent grid.

International cooperation will also be essential in accelerating this transition. By partnering with organizations like UNDP, UNIDO, IRENA, and others, Iran can access the financing, technology, and expertise necessary to scale up its renewable energy projects. Innovative and market-based mechanisms such as thematic bonds, carbon finance, debt swaps, and blended finance offer excellent opportunities to secure the resources needed to meet these ambitious targets.

By inviting and initiating international collaboration and partnerships including with Member States, regional organisations and leading global universities, Iran would be able to better access financing, transfer of technical expertise and knowhow. Iran should also look into sharing learnings and best practices such as the Green Energy Market with other countries.

In closing, I am confident that Iran has all the ingredients to succeed in this energy transition--abundant resources, a strong economic case, and a capable workforce. Now, it is up to all of us--across government, private sector, and international partners--to work together and turn these discussions into meaningful action. By doing so, we can secure a greener, more sustainable, and prosperous future for Iran.

The United Nations is fully committed to supporting Iran on this journey, and we look forward to witnessing the transformative impact of the initiatives we"ve discussed.

I thank the Ministry of Energy and Ministry of Foreign Affairs for there good collaboration to organize this meeting, the presenters for your excellent in-person and virtual presentations and all the participants for their engagement to ensure a vibrant interaction.

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Web: https://www.hollanddutchtours.nl/contact-us/
Email: energystorage2000@gmail.com
WhatsApp: 8613816583346