Shaping a sustainable energy future

Technological innovation for the energy transition

Decarbonising our energy system is among the most pressing challenges of our time. The shift towards renewable energy sources requires not only a significant expansion of solar and wind power but also the development of innovative, application-specific storage technologies. These are essential to balance fluctuating energy production and ensure efficient use of resources. With a new professorship, ETH Zurich aims to work closely with industry partners to create forward-looking solutions for the storage and integration of renewable energy.

Paving the way for the energy transition

Make a gift

Our goal

The new professorship “Electrical Energy Storage Systems” seeks to develop advanced storage technologies that will enable a reliable and sustainable energy supply.

On the one hand, we need novel solutions to store surplus energy flexibly and make it available when needed. On the other hand, ETH intends to drive the sector coupling between electricity, mobility, heating, and industry – to make the best possible use of renewable energy sources. By combining cutting-edge research with practical insights, we aim to accelerate the translation of innovation into real-world applications.

Your support enables

- the development of pioneering energy storage systems for a stable and sustainable power supply;
- a reduction in dependence on fossil fuels – a vital step towards a climate-neutral energy future;
- an investment in resilient and future-ready energy infrastructure.

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https://ethz-foundation.ch/en/projects/topics/sustainability/sustainable-energy-future-switzerland/