

# Towards net zero and beyond

## For pioneering energy technologies

We are facing immense challenges: climate change and its extensive impacts are affecting many parts of the world, pollution is reaching critical levels, and biodiversity is in steady decline. Concurrently, a significant increase in energy demand is projected for the coming decades.

In light of this, the need for viable solutions has never been greater – solutions that encompass energy supply and storage as well as the sustainable use of materials and resources. Through targeted initiatives, ETH aims to provide key impulses towards a more sustainable energy future.



For a sustainable energy future

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## Our goal

In 2023, ETH, in collaboration with EPFL, Empa, and the Paul Scherrer Institute, launched an ambitious initiative: the [Coalition for Green Energy and Storage](#) (CGES). This coalition operates at the nexus of science, industry, and politics, to swiftly develop innovative solutions that ensure a secure, resilient, and climate-neutral energy supply in Switzerland.

Additionally, a significant expansion of research in the fields of energy, materials and storage solutions at ETH Zurich is planned. The focus is on bringing innovations in these areas to application. Together with industrial partners, researchers will work on forward-looking solutions to contribute to achieving the net zero goal.

## Your support enables

- enhanced collaboration between science, politics, and industry, bringing us a crucial step closer to the net zero goal;
- seed funding for new professorships at the intersections of energy, materials, and storage solutions;
- contributions towards a climate-neutral future.

### Sustainable Materials and Devices

This professorship addresses the sustainability of both the materials themselves and how they are produced – by optimising processes to reduce the consumption of resources and energy.

[learn more](#)

### Sustainable Structures

This professorship will deploy innovative material systems to develop lightweight structures for transportation, machine tools and robots as well as manufacturing processes that are energy efficient and environmentally friendly.

[learn more](#)

### Electrical Energy Storage Systems

This professorship seeks to develop advanced storage technologies that will enable a reliable and sustainable energy supply.

[learn more](#)



## Your contact

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