

Ailangantunturi Pumped Storage Hydropower Project

Finland's First Pumped Storage Hydropower Project

Finland requires affordable electricity and domestic balancing capacity to integrate growing volumes of wind and solar power into the energy system. The Ailangantunturi pumped storage hydropower project helps meet this challenge by providing large-scale energy storage that balances the national electricity system and enables the transition to clean energy.

The project has been granted EU Project of Common Interest (PCI) status, recognising its important role in strengthening Europe's energy security and self-sufficiency while contributing to the achievement of climate targets.

The project's impacts on people, the environment, the regional economy and the electricity system have been comprehensively assessed through the Environmental Impact Assessment (EIA) process. These impacts will be mitigated through technical and engineering solutions, as well as carefully planned construction practices.

Our goal is to ensure that the pumped storage facility generates long-term, predictable and sufficient benefits for the City of Kemijärvi through employment and tax revenues, alongside value creation for Kemijoki Oy as the project owner. The investment will create both direct and indirect jobs while increasing local tax revenues. The project will be developed in parallel with other sectors in the region, including tourism and recreation.

Key figures

Capacity: **550 MW**

Energy storage capacity: **6,250 MWh**

Enables an additional **350 GWh** of renewable energy per year

Investment: **EUR 800 million**

Estimated property tax revenue for the City of Kemijärvi in the first year of operation: **EUR 3.7 million**

During construction, the project will employ over **300 people** annually.

Electricity production is expected to begin around **2033**.

