

## SolarTech Power Solutions

# Finland s coal-to-electricity energy storage products



## Overview

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Does Finland still use coal?

Finland has reduced its use of coal in the country's energy mix from 23% in 2003 to less than 1% today, four years' ahead of the government's ban on coal-based energy production, set for 2029. Coal has been replaced with wind power: wind capacity has more than doubled in Finland since 2020 and now accounts for 25% of the country's electricity.

Can Finland replace coal with wind power?

By putting in place clear policies, the Finnish government has managed to replace coal with wind power faster than expected, increasing self-sufficiency in the country's energy production and attracting massive investments in the process.

Is Finland moving away from coal power in the OECD?

Following the UK's historic phase-out of coal power last year, Finland's efforts continue the rapid transition away from coal power in the OECD in favour of mostly wind and solar energy. 14 OECD countries now operate coal-free power systems, with further 13 targeting coal phase-out by 2030.

How will the Finnish capital transition into electrified energy production?

"Going forward, the Finnish capital will transition into electrified energy production based on heat pumps utilising waste and environmental heat, electric boilers, energy storage and sustainably produced bioenergy. Helen produces electricity mainly from wind, nuclear, hydro and solar power.

Which Finnish power producer has stopped using coal?

Helen is the last major Finnish power producer to stop using coal. The Beyond Fossil Fuels environmental group has said there are two small facilities in Finland still burning some coal, along with a third plant that could be used during an energy emergency.

What happened to Finland's last coal-fired power plant?

The last operating large coal-fired power plant in Finland has shut down, with the facility's operator saying it now will use electricity, waste heat, and heat pumps—along with burning biomass—to provide power and heat to its customers.

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