



European
Commission

SUNCOOL

Take solar with a grain of salt



Building heating and cooling provided by solar collectors manufactured by SaltX in Hägersten, Sweden.

Photo: SUNCOOL

OUR STORY

We entered the cleantech market in 2002 with an invention that stores energy in salt crystals, providing entire buildings with solar-powered heating and air conditioning day and night. LIFE has helped SaltX reach our first clients. We have since listed our company on the Nasdaq First North stock exchange and opened manufacturing lines.



Solar energy



High technology



Climate action

Larger with Life

From 2012-2016, the EU LIFE Programme invested over €1.8 million in the €4.1 million SUNCOOL project to demonstrate that salt crystals can store solar energy for use in heating and airconditioning systems.

SaltX deployed its patented energy storage technology over urban rooftops in Europe supplying both heating and cooling to entire buildings with clean solar power.

EU added value

- Investment pays back in under **3 years**
- Store energy using **abundant materials**
- Cut energy storage costs by **10 or more**

Prospects

- Mass-produce **1 million units a year**
- Solar industry growing **54 million m² / y**
- Spread solar to heat and cooling sector

Achievements

- Deployed 180 square-meters of **solar collectors** on a coffee roasting house in Karlstad, Sweden
- Saved close to **90% of the energy** consumed by the building's heating and air-conditioning
- Opened a 100-employee **factory** to mass produce SUNCOOL solar collectors
- Provided solar-powered air-condition and hot water to **school students** in Ankara, Turkey
- Energy supplier has ordered **€5 million** of SaltX products for sanitary blocks in rural Ghana
- Won the **Best LIFE-Environment Award** in 2017 and BNEF New Energy Pioneers in 2018

Policy support

- Promote the use of **solar energy** as described in the EU Renewable Energy Directive
- Cut **CO₂ emissions** in line with the EU roadmap for moving to a competitive low carbon economy
- Boost the **efficiency** of building heating systems as set out in the EU Energy Efficiency Directive

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