

CLEANTECH FINLAND

Fostering sustainable growth





IN 2030 WE NEED GLOBALLY

+45%
ENERGY

+30%
WATER

+50%
FOOD



FINLAND IS

1st

THE GREENEST COUNTRY

Finland is the greenest country in the world 2016 according to the environmental performance index (EPI)**

** Yale and Columbia universities along with the World Economic Forum.

1st

IN INNOVATION***

*** The World Economic Forum, Global Competitiveness Report 2014–2015.

2nd

IN CLEANTECH

Finland was ranked number 2 in both the Global Cleantech Innovation Index and EU Eco-innovation scoreboard 2013*

*WWF and Cleantech Group

1st

- Qualified engineers
- Information technology skills
- Development and application of technology
- Funding for technological development
- Public and private sector ventures



BEST PRACTICES FOR CLEAN WATER

Finland's world-class clean water expertise keeps drinking water free of bacteria and hazardous viruses. Finnish drinking water is better than most of the bottled water brands.

Finnish municipal waste water treatment is among the best in the world, driven by the strict legislation and monitoring by authorities.

Despite water intensive industries, like paper & pulp and mining & minerals, Finns are dedicated to keep their thousands of lakes clean by treating waste waters on site.





SUOMI
FINLAND

CLEAN WATER

provided by

OUTOTEC

KEMIRA

VALMET

ECONET



FORERUNNER IN RENEWABLE ENERGY TECHNOLOGY

40% of Finnish energy is produced with renewables, like biomass, hydro, wind, and solar power.

50% of energy is recycled and recovered from wastewater and buildings in Helsinki.

Finland is a global market leader in renewable technologies, like wind turbine components, solar inverters, and bio- and waste-to-energy systems.





SUOMI
FINLAND

RENEWABLE ENERGY

powered by

ABB

WÄRTSILÄ

THE
SWITCH

MOVENTAS

PEIKKO



SMART GRIDS FOR SECURE & ECONOMIC ELECTRICITY

Finland has used smart meters already for several years, which is key in making the distribution grid smart.

Distributed energy production and intelligent power management have been combined with high-level digitalization.

A world-class solution transforming old traditional electricity grids into high-performance smart grids and even off-grid island networks.





SUOMI
FINLAND

SMART GRID wizards

EMPOWER

NOCART

LUT

ELTEL

ENSTO



HIGH PERFORMANCE GREEN BUILDING

Finland's arctic environment has been a great testbed for next generation building materials and technologies.

Advanced Finnish insulation materials, indoor air quality systems, doors, and windows establish a solid base for favorable and healthy working and living environments.

Finnish novel renewable energy solutions reduce the environmental load along with increasing the sustainability and energy-efficiency of built environment.





SUOMI
FINLAND

GREEN BUILDING

Indoor air quality & energy efficiency brought by

HALTON

SKALA

SALUSFIN

KOJA

GREENLUX

FOSTERING SUSTAINABLE GROWTH

Clean water


Green building

Renewable energy

Smart grid

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