

How come Finland?

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In Finland,
we have few natural resources, and a climate
that makes agriculture an extreme sport.

But we do have people. People who are used to
working together – and trying new things out of
curiosity.

Things like...

... developing solar panels in a country where
in winter, the only lights you see are electric.

How do we
make them
extra efficient?

I've got it!

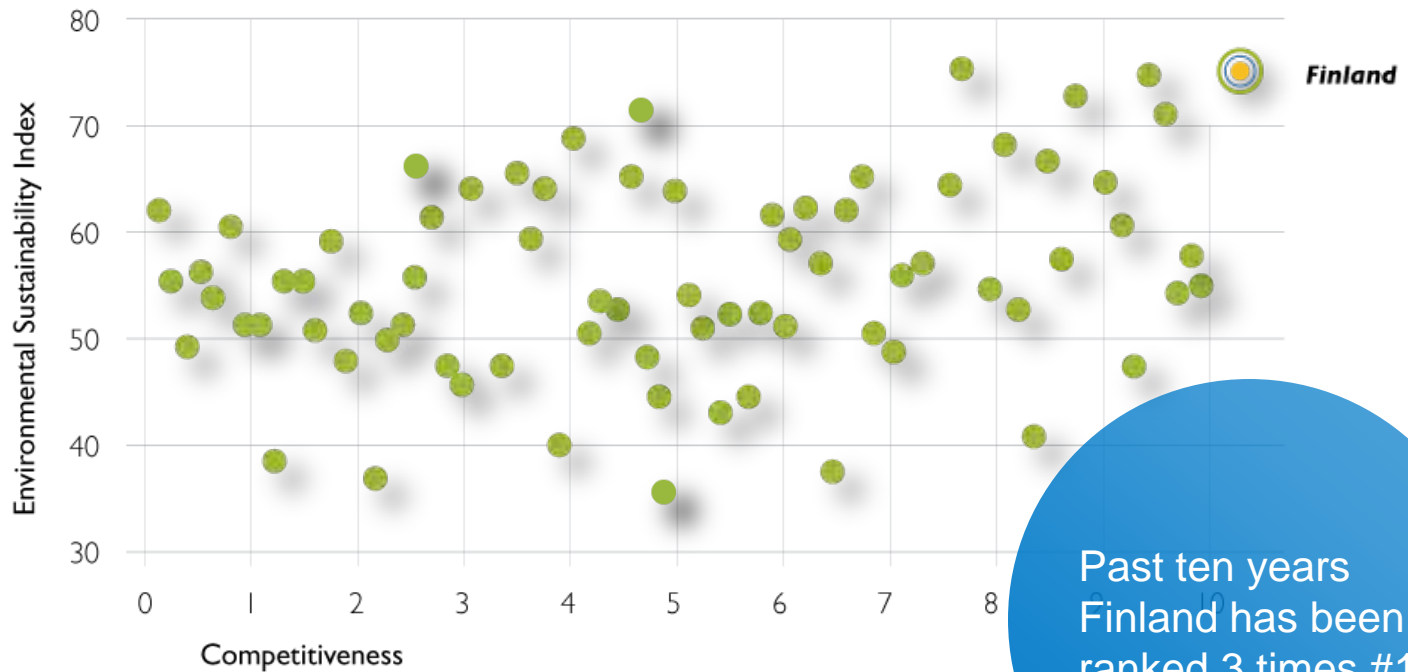
This is what happens, when you give free
high quality education to the naturally curious
– and you drop the uniforms and hierarchy...

Finnish teens rank
among the highest in
learning points in a
study involving 60
countries



Investment per
capita in public
research,
development &
innovation is highest
in the world

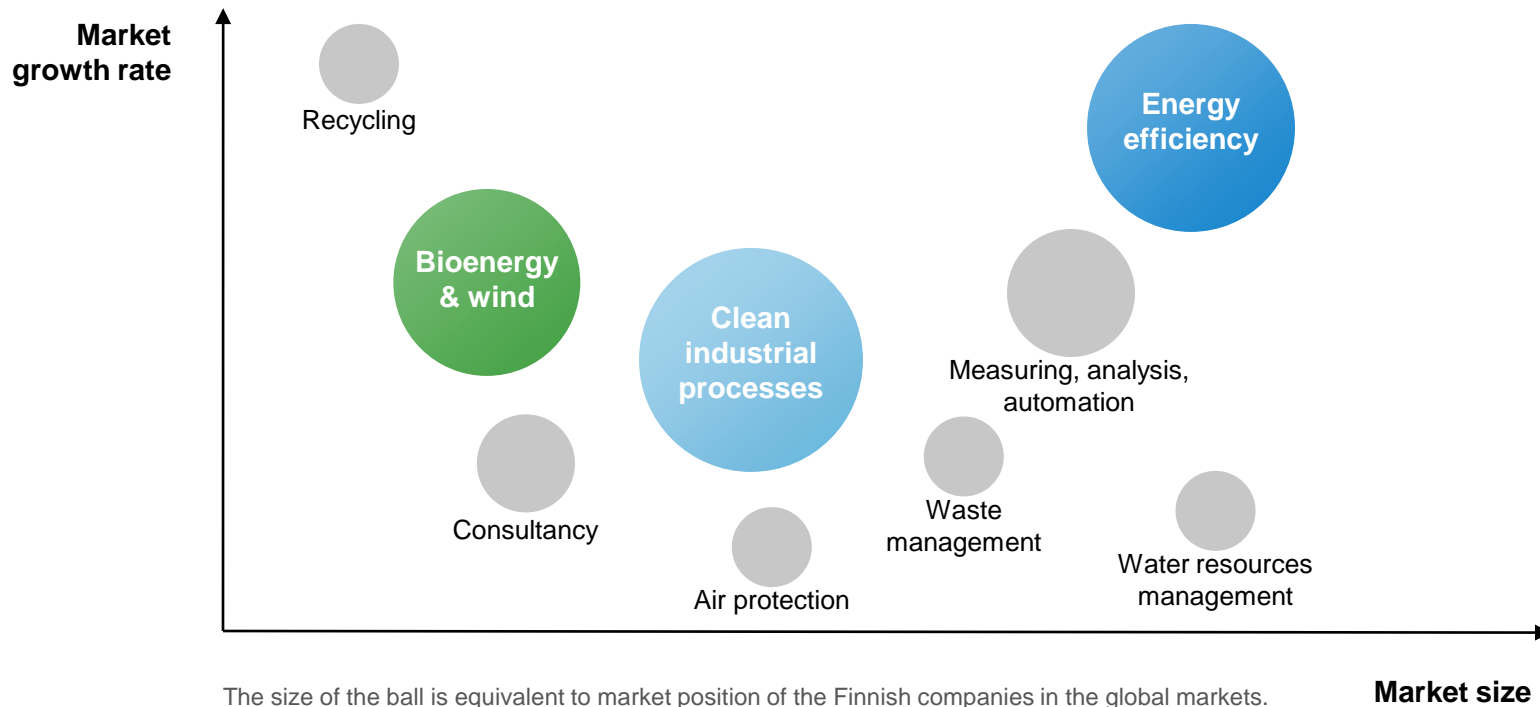
But is economic competitiveness compatible with environmental sustainability? Answer: Yes!



Source: The World Economic Forum

Cleantech Finland – Top expertise

Sectors, Finnish competence



Finland's environment and water solutions



Exceptionally close co-operation of public and private sectors.

Emphasis in preventing pollution and efficient water use in industry

- Resource efficiency and recycling, waste-to-energy
- Water savings, efficient irrigation and sustainable agricultural practices.
- Green buildings, establishing eco-city concepts
- Comprehensive environmental measurement solutions
- Planning and construction of complete water and waste water treatment plants and optimizing the performance of these plants
- Consulting, advisory services, capacity building, policy advice

Finland's energy solutions



Due to its energy-intensive main industries, cold climate and long distances, Finland knows energy efficiency.

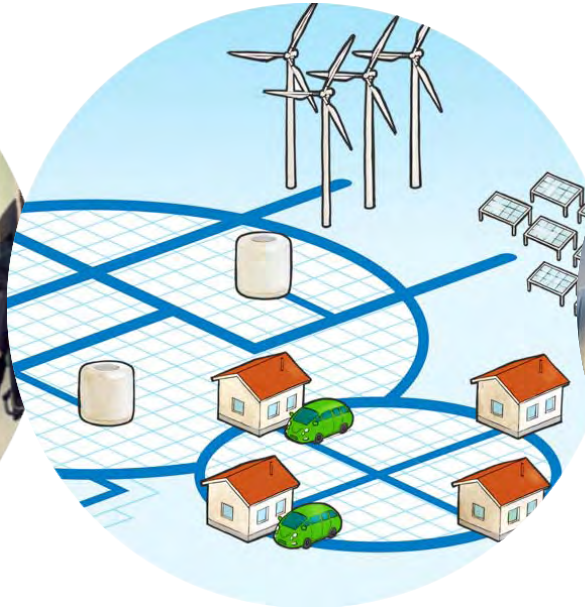
- Decentralized generation of **renewable energy** & smart grids
 - Bio-energy
 - Wind
 - Biogas
 - Solar
- Combined heat and power generation (CHP)
 - District heating/cooling
- Efficient industrial processes
- **Expert services** related to renewable energy, energy efficiency and carbon emission reduction certificates - **CDM**.

Finland's most promising innovations



New generation bio-fuels

Wood/non-wood based, by-products from various industries



Energy efficiency

Smart grid



Electric vehicles

Motors, automation, AC drives, batteries



Thank You!

**PROBLEM
SOLVING**

**IS IN OUR
NATURE**



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