

Our geographical presence today



Nr 1

Nr 2

Power generation

Nordic countries

Heat

Nr 1

Distribution

Electricity sales

Power generation

Heat sales

51.6 TWh 14.5 TWh

Distribution customers 1.6 million

Electricity customers

1.2 million

Great Britain

Power generation

Poland

Heat sales

1.1 TWh Power generation Heat sales 1.8 TWh

0.8 TWh

4.3 TWh

Baltic countries

Power generation 0.4 TWh Heat sales 0.9 TWh

Key figures 2012

Sales EUR 6.2 bn Operating profit EUR 1.9 bn Balance sheet EUR 25 bn ∠Personnel 10,400

Russia

OAO Fortum

Power generation 19.2 TWh Heat sales 26.4 TWh

TGC-1 (~25%)

Power generation ~7 TWh Heat sales ~8 TWh



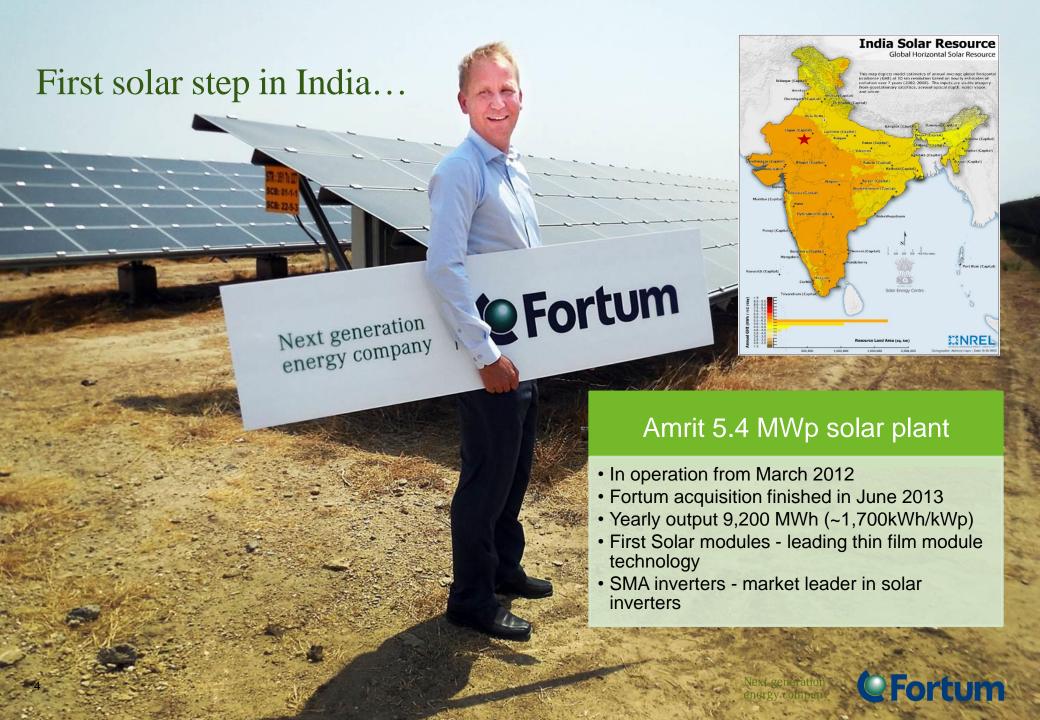
Transition towards Solar Economy Solar Economy Solar based production with high overall system efficiency High Sun Hydro Ocean Wind Geothermal system efficiency **CHP** Advanced Bio energy production Energy efficient and/or low-emission production ంర **Nuclear** Resource **Traditional** tomorrow energy production Exhaustible fuels that burden the environment CCS Gas Coal Low Oil Nuclear today

Infinite fuel resources Emissions free production



Finite fuel resources

Large CO2 emissions

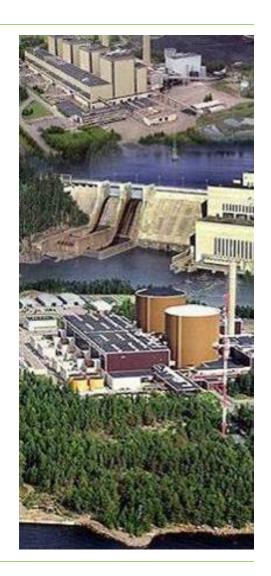


Fortum's investment programme

Nordic region, Poland and Baltic countries

Project	Electricity, MW	Heat, MW	Commissioned
Olkiluoto 3, Finland	400		
Swedish nuclear upgrades	290		
Blaiken, Sweden, wind power	30		
Refurbishing of hydro power	10		annually
Brista, Sweden (waste CHP)	20	57	Q4 2013
Klaipeda, Lithuania (waste CHP)	20	60	Q1 2013
Järvenpää, Finland (biomass CHP)	23	63	Q2 2013
Jelgava, Latvia (biomass CHP)	23	45	Q3 2013
Värtan, Sweden (biomass CHP)	130	280	2016
Total	~950	~500	

Additional electricity capacity around 950 MW 100% CO₂-free





Example of wave power projects

Fortum is co-owner in AW Energy Oy, developing WaveRoller

- Technology from the waves on the bottom of the sea, close to the shore,
- A pilot plant outside Portugal,
- A new 1,5 MW project outside Bretagne together with DCNS announced yesterday.

Fortum invest in world largest wave power plant on the west coast of Sweden

- Eletricity from the wave
- Power generation of 10 MW with about 420 units. Planned start of production year 2014.
- The Swedish Energy Agency and Fortum support the project with about 50 percent each - totally 250 MSEK





Fortum helps the consumer to be more active and aware

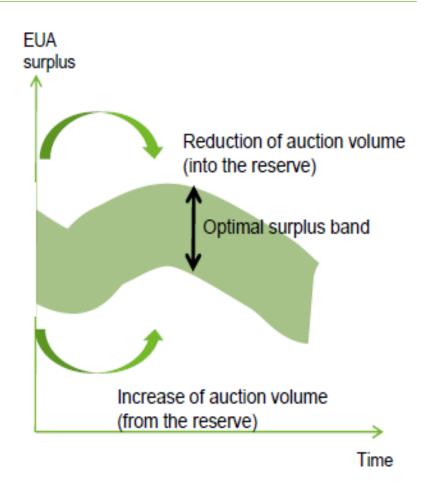


Adaption is already here for the energy sector



Build on the system we have - strengthening the EU-ETS

- In long term (2020 ->):
 - Set the emission target for 2030 quickly,
 - No need of separate targets for mature technology of RES,
 - R&D support for new technology,
 - Enlarging the scope of ETS preferred.
- Structural changes in ETS is needed.
 - A pre-designed mechanism to adjust the ETS automatically in cases of significant deviations in economy.
 - An automatic supply adjustment mechanism, ASAM - the thresholds set by e g Commission, ECB or another body.
- EU-ETS is the embryo for global trading many ETS-systems are now coming around the world





Fortum a forerunner in sustainability

- Dow Jones Sustainability World Index
 - Included for ten consecutive years
 - Fortum the only Nordic power and heat company
- Carbon Disclosure Leadership Index
 - Fortum globally third best company in the utility sector 2012
 - Fortum the only Nordic power and heat company
- SAM Sustainability Yearbook
- STOXX® Global ESG Leaders indices
- oekom
- OMX GES Sustainability Finland Index
- Storebrand SRI





Thank you!

