

Business from technology

VTT Technical Research Centre of Finland 2010

IEA DSM meeting Madrid 29th March

Way of action

The primary role of VTT is to carry out research and development work, technology transfer and testing. R&D work is performed as projects.

- In close interaction with industry, research institutes and universities.
- VTT plays an active role in formulating Finland's technology, industrial and energy policies.
- VTT is a not-for-profit organization.



VTT Group in brief

Personnel 2.935 (1.1.2010) ■ Turnover 276 M€ (budget for 2010)

Customer sectors

- Biotechnology. pharmaceutical and food industries
- Electronics
- Energy
- ICT
- Real estate and construction
- Machines and vehicles
- Services and logistics
- Forest industry
- Process industry and environment

Focus areas of research

- Applied materials
- Bio- and chemical processes
- Energy
- Information and communication technologies
- Industrial systems management
- Microtechnologies and electronics
- Services and the built environment
- Business research



VTT's operations

Research and Development ■ Strategic Research ■ Business Solutions ■ IP Business ■ Group Services

VTT's companies

VTT Expert Services Ltd ■ VTT Ventures Ltd ■ VTT International Ltd

VTT on map



Multifaceted and sustainable energy



Service packages

- Energy systems
- Combustion and gasification techniques
- Energy transfer and storage
- Efficient use of energy
- Nuclear energy
- Bioenergy
- Production of electricity and heat
- Wind energy
- Fuel cells and hydrogen technology
- Usage lifespan management

VTT's multifaceted **energy research** covers different production forms from nuclear energy to renewable energy.

Energy economics and emissions reduction is a significant part of our research.

More than 400 VTT experts work in this field.

Some topics where VTT energy systems dept is involved

- Energy market competitiveness and long-term price forecasting
- Wind power & EV integration and effects on the grid
- Demand response and its aggregation
- Energy policy & emissions