This is SINTEF Industry
Our role

Contract research
R&D-partner to industry and government

Laboratories and software
Testing, development and verification

Innovation
Develop new technology and knowledge

New ventures
Create new products and spin-offs

Sustainable development
Deliver environmentally friendly solutions

Social mission
Knowledge to social debate and politics
Economy and employees

Total 724 MNOK pr. 31.12. 2017
- 6% RCN basic grant
- 29% RCN project support
- 13% Public sector
- 40% Business and Industry
- 12% International contracts
- 0% Other source of income

Total 465 Pr. 31.12. 2018
- 8.7% Administration
- 75.9% Researchers
- 4% Technical personnel
- 11.8% Engineers

27.8% of our employees are from abroad, and from 39 different nations.
Sustainable development and value creation is fundamental to all our activities.
SINTEF Industry

Trondheim

Bergen

Oslo

Porsgrunn
SINTEF Industry is certified


- SINTEF Industry shall at all times work to ensure that the organisation's results meet adequately the requirements and expectations of our clients and other stakeholders.

- Our management system ensures that SINTEF delivers products and services in accordance with specified level of quality, safeguards the environment and operates with a systematic approach to occupational health and safety.
Applied research, technology and innovation

Expertise from ocean space to outer space:

- Renewable energy
- Ocean space
- Industry
- Buildings and infrastructure
- Materials
- Micro-, nano- and biotechnology
- Climate and environment
- Oil and gas
- Health and welfare
- Digitalization
- Transport
Our main goal: A world-leading research institute.

We develop solutions to some of society's grand challenges by being at the forefront of our strategic focus areas.
Close working relationships generate innovation and high quality

- **BUSINESS**
  - Product development and the application of research results

- **THE UNIVERSITIES**
  - Basic research and education

- **SINTEF**
  - Multidisciplinary applied contract research
SINTEF Industry - organisation

SINTEF Industry

Staff

Departments

Biotechnology and Nanomedicine
Sustainable Energy Technology
Metal Production and Processing
Process Technology
Petroleum
Materials and Nanotechnology
Biotechnology and Nanomedicine

Our expertise:
• Bioprocess development
• Microbial molecular biology
• Advanced research-based analyses
• Nanomedicine, polymer particles and surface chemistry

Applied within:
• pharmaceutics, vaccines, biomaterials, enzymes, food, feed, chemicals and energy
Our expertise:

- Minerals and raw materials
- Metal production – process metallurgy and electrolysis
- Urban mining and recycling
- Casting and casting technology
- Metal forming and processing
- Emissions and environmental monitoring
- Process modelling
Our expertise:

- Renewable energy and CO2 capture
- Hydrogen production and fuel cells
- Battery technology and energy harvesting
- Silicon production for solar cells
- Membrane development and gas separation
- Functional materials and powder technology
- CO2 capture, PV and H2&FC national infrastructures
Petroleum

• Our expertise:
  • Exploration technologies
  • Reservoir technologies
  • Drilling and well
  • CO₂ storage
  • Increased recovery
  • Geothermal energy
Our expertise:

• Computational Fluid Dynamics (CFD) and Multiphase flow
• Catalysis and Kinetics
• Porous and functional materials, separation
• Powder Technology
• High Throughput Technology
• Process Analytical Technology (PAT)
• CO$_2$ Capture and Separation (CCS)
• Process design and Techno-Economics
• Large scale experimental testing and validation
Materials and Nanotechnology

Our expertise:

• Aluminium, Silicon, Iron and steel
• Minerals and raw materials
• Polymer and composite materials
• Nanotechnology and functional materials
• Materials properties and utilization
Laboratories

- Materials characterisation
- Subsurface lab.
- Multiphase flow, Tiller
- CO2-laboratory, Tiller
- Nanotechnology
- Solar cells
- Metal Production
- Advanced membranes
- Material technology
- Mass spectrometry
- Biotechnology
Strategic projects

Gemini-Centre
- Life*
- Materials and energy
- Tribology
- PV - Solar Cell Materials
- Transmission Electron Microscopy - TEM
- Functional oxides for clean energy technology
- KinCat
- Marine Juvenile and Plankton Technology
- Surface characterization by Emission and Scattering Spectroscopies (SUCCESS)

Centres for Environment-friendly Energy Research (FME)
- MoZEEs
- HighEFF
- NCCS
- BIGCCS
- Solar United
- Bio4Fuels
- Zero emission building
- Nowitech

Centres for Research-based Innovation (SFI)
- Metal Production
- SFI Manufacturing
- Centre for Advanced Structural Analysis (CASA)
- Sustainable Innovations for Automated Manufacturing of Multi-Material Products
- Industrial Catalysis Science and Innovation for a competitive and sustainable process industry (iCSI)
- Center for innovative ultrasound solutions for health care, maritime, and oil & gas industries
Technology for a better society