Research for a Better Future
Vision

IFEs Vision:

An internationally leading energy research institute.

Gunnar Randers, IFE’s founder
Institute for Energy Technology

- Independent foundation established in 1948
- R&D in a broad scope of energy technology
- 600 employees (Kjeller and Halden)
- Turnover: NOK 1 billion
- Contract research
- Internationally oriented
IFE, big laboratories for small things - advanced experimental capacity at hand
IFE has been at the forefront of energy technology development for almost 70 years.
Business Areas and Organisation

President
Nils Morten Huseby

CFO
Jørgen Lundberg

HSE
Brit S. Farstad

Nuclear Technology, Physics and Safety
Atle Valseth

Safety Man-Technology-Organisation
Jon Kvalem

Petroleum Technology
Jon Kvalem (act)

Energy and Environmental Technology
Arve Holt

Isotope Laboratories
Bente Tange Harbø

Nuclear Waste Management
Henning Vahr
Nuclear Technology, Physics & Safety

• Main areas
  • Operation of the Kjeller- and Halden research reactors
  • Fuel and material technology
  • Safety at reactor plants
  • Basic scientific research in physics
Halden Project 2014-2017

- International research on safety under OECD/NEA administration
- 19 member countries
- More than 100 participating organisations
- Three-year programme periods
- 70% international financing
- Norway’s largest international R&D project
Safety Man-Technology-Organisation

- Main areas
  - Man-Technology-Organisation
  - Control room technology
  - VR-technology
- Hammlab & VR-center:
  Halden MTO-center
The Isotope Laboratories

- Main areas
  - Production and quality control of radiopharmaceuticals
  - Control and distribution of radiopharmaceuticals to Norwegian hospitals
  - Research and development
  - Quality assurance
Petroleum Technology

- Main areas
  - Reservoir and exploration technology
  - Process and fluid flow technology
  - Corrosion technology
Energy and Environmental Technology

- Main areas
  - Renewable energy; solar cell technology, wind energy, hydrogen as energy carrier
  - Energy systems analysis
  - Carbon capture and storage (CCS)
  - Battery technology
IFE a proud host of 3 FMEs (Research Centres for Renewable Energy)

• Norwegian Research Centre for Solar Cell Technology (2009 – 2017)

• Research Center for Sustainable Solar Cell Technology (2017 – 2025)

Nuclear Waste Management

- Main areas
  - Reception and handling of nuclear waste from IFE and others
  - Operation of KLDRA (national repository for low- and intermittent nuclear waste)
IFE Invest

- IFE Invest AS is a fully owned subsidiary of IFE, set up to commercialise and invest in innovative ideas, products and services derived from IFEs research

- On average two companies established per year

- Partners with Kjeller Innovasjon, Akershus Teknologifond, NILU, Norsk Innovasjonskapital III in several of the companies
IFE, research for a better future
Thank you for your attention