

The Centre for Renewable Energy (SFFE)

combines and coordinates the competence at NTNU, SINTEF and IFE within renewable energy. The Centre is virtual and has a close connection to a large number of education and research groups.

Research at the Centre ranges from small-scale hydropower, wind power, solar energy, bioenergy, wave power, hydrogen and heat pumps to the societal aspects of energy use. The SFFE-network at NTNU, SINTEF and IFE involves around 250 researchers and 75 PhD students within the field of renewable energy.

More information on: www.sffe.no

Why a Norwegian Centre for Renewable Energy?

- To increase the quality, efficiency and scope of education, research and innovation within renewable energy in Norway.

The focus of the Centre:

- **Influence:** The Centre participates in the public debate on renewable energy research and innovation and the framework conditions in Norway.



Centres for Environment-friendly Energy Research

In 2009, eight centres for environment-friendly research was established in Norway. The new centres are through their eight-year lifetime to carry out research for better solutions within solar, bio and wind energy, as well as zero energy buildings, environmental design and CCS. Each centre has a total budget of 1-3 million € per year.



Innovation and Entrepreneurship

Renewable energy has a significant potential in Norway and at a global level. This is not only in regard to the value chain from resource to energy services, but also for the value chain from research and innovation to the development of new energy technologies.

The Centre cooperates with Norwegian industry and contributes to strategies, innovation and development of new renewable energy technologies. The Centre collaborates with the industrial partners Statkraft, Trondheim Energi, StatoilHydro, Eidsiva Energi and Elkem. The industrial partners are represented in the Board of the Centre in addition to NTNU, SINTEF and IFE.

- **Networking and coordination:** The Centre is a platform for national and international cooperation, and coordinates the competence within renewable energy at the three research institutions NTNU, SINTEF and IFE.
- **Dissemination and information:** The Centre is an information resource on renewable energy research in Norway, and works to increase the common knowledge on the subject.
- **Recruitment:** The Centre works to strengthen the educational facilities on renewable energy in Norway, and to recruit young people to renewable energy research and industry.

The Centre for Renewable Energy is directly involved in six of the new virtual research centres;

- **CEDREN** – Centre for Environmental Design of Renewable Energy
- **CenBio** – Bioenergy Innovation Centre
- **NOWITECH** – Norwegian Research Centre for offshore wind technology
- **Solar cells** – The Norwegian Centre for Solar Cell Technology
- **ZEB** – The Research Centre on Zero Emission Buildings
- **BIGCCS** – International CCS Research Centre

More information is available on sffe.no/fme

SFFE

Norwegian Centre for Renewable Energy

www.sffe.no

NTNU, the Norwegian University of Science and Technology in Trondheim represents academic eminence in technology and natural sciences as well as in other academic disciplines. Its academic scope ranges from technology, the natural sciences, the social sciences, the humanities, medicine, and architecture to the fine arts. Cross-disciplinary cooperation at NTNU results in innovative and creative solutions that change our daily lives

www.ntnu.no/english/

Contacts

Coordinator - Trygve Mongstad
trygve.t.mongstad@ntnu.no
Tel. +47 73 59 03 76
Cell. +47 918 97 546

Director - Johan Hustad
johan.e.hustad@ntnu.no
Tel. +47 73 59 25 13

Deputy Dir. - Ann Mari Svensson
ann.m.svensson@sintef.no
Tel. +47 982 30 450

Deputy Dir. - Roy Stenbro
roy.stenbro@ife.no
Tel. +47 920 30 992

The SINTEF Group is the largest independent research organization in Scandinavia. SINTEF's goal is to contribute to wealth creation and to the sound, sustainable development of society. SINTEF generates new knowledge and solutions for its clients, based on research and development in technology, medicine, the natural sciences and the social sciences.

www.sintef.com

IFE, Institute for Energy Technology is an international research institute for energy and nuclear technology. IFE's mandate is to undertake research and development, on an ideal basis and for the benefit of society, within the Energy and Petroleum sector and to carry out assignments in the field of nuclear technology for the nation. The institute will increasingly concentrate on safety and environmental research within these fields.

www.ife.no



 NTNU

 SINTEF

 IFE