

MASTER THESES AT SINTEF DIGITAL: TECHNOLOGY FOR A BETTER SOCIETY – THROUGH RESEARCH DRIVEN INNOVATION

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ARTIKKEL ➔

Vi er årets mest attraktive arbeidsplass for unge (2025)

ARTIKKEL ➔

SINTEF er årets mest attraktive arbeidsgiver for unge (2024)

ARTIKKEL ➔

SINTEF er årets mest attraktive arbeidsgiver for unge (2022)





SINTEF

SINTEF IS ONE OF EUROPE'S LARGEST
INDEPENDENT RESEARCH ORGANISATIONS

367,5 million
EUR turnover

2200
employees

6400 active
projects

3300
customers

INTERNATIONAL
70,7 million EUR

NATIONALITIES
80

PUBLICATIONS (INCL. DISSEMINATION)
6200

CUSTOMER SATISFACTION
4,6 / 5



SINTEF

OUR GOAL GIVES US IMPORTANT SOCIAL ROLES



Research and innovation

Develops new technological solutions and knowledge with our clients



Laboratories and software

Develops and runs important research infrastructure



Commercialisation

Creates new products and firms



Thought leadership

Contributes to debate and politics with advice and knowledge



Our organisation with institutes ensures market relevance and academic strength - in One SINTEF

The foundation SINTEF

INSTITUTES

SINTEF
Community

SINTEF
Industry

SINTEF
Digital

SINTEF
Ocean

SINTEF
Energy

SINTEF
Manufacturing

OTHER SUBSIDIARIES

SINTEF
TTO

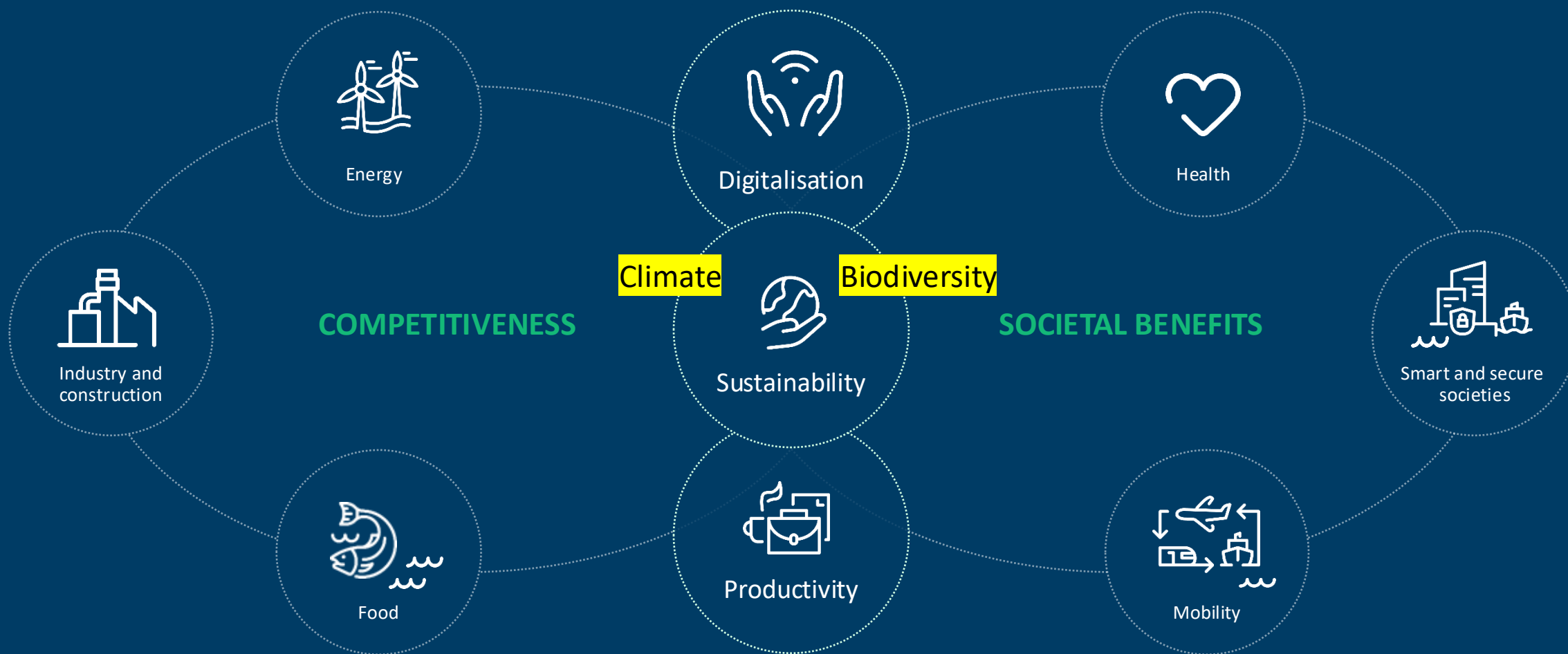
SINTEF
Nord

SINTEF
Ålesund

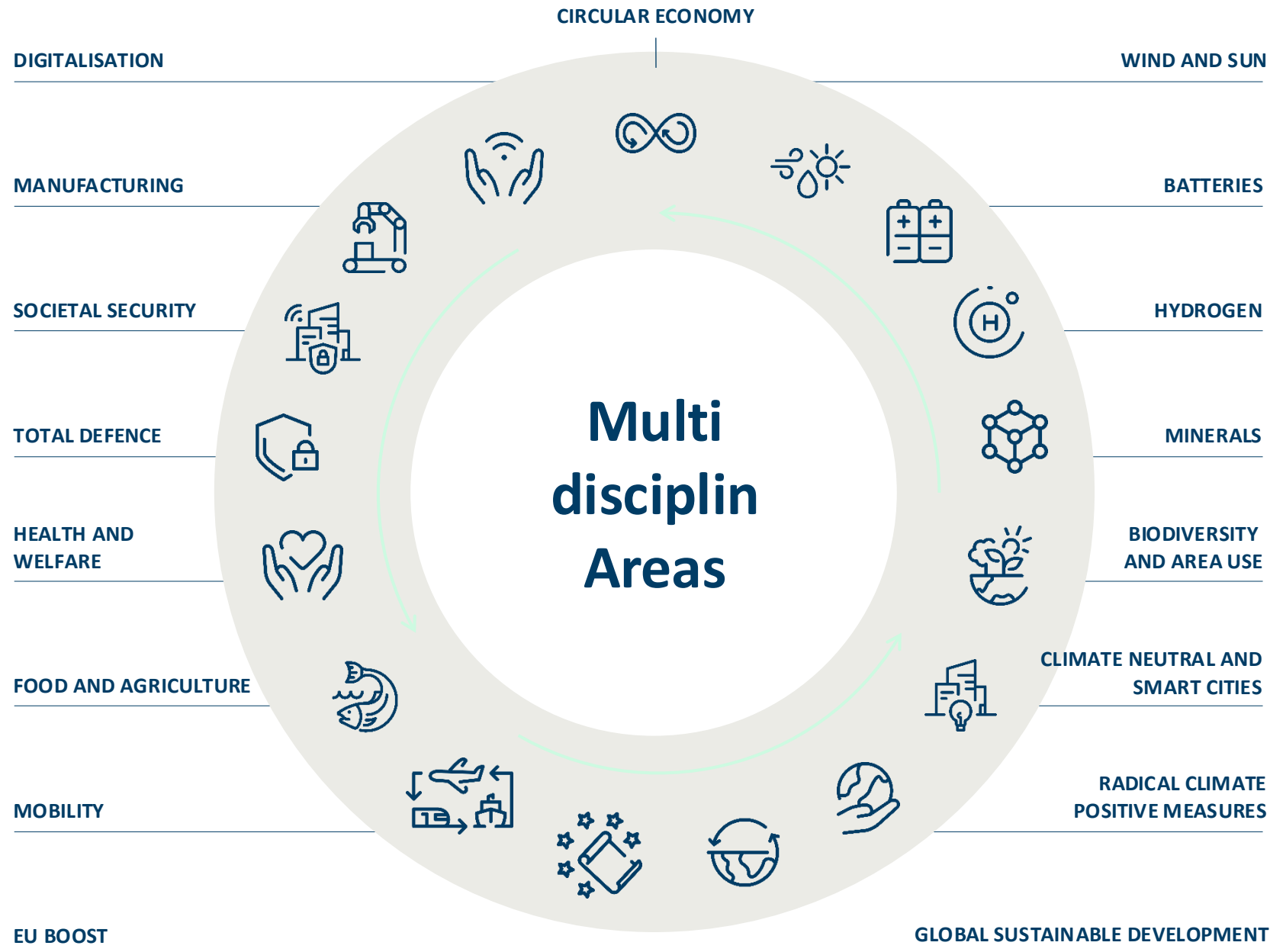
SINTEF
Narvik

SINTEF
Helgeland

Vision: Technology for a better society



Multi-disciplinary collaboration solves complex challenges





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SINTEF Digital

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[Internet of Things](#) [Mathematics in Technology](#) [Robotics and autonomy](#) [Sensors](#)

[Sustainable Societies](#)

<https://www.sintef.no/en/digital/>

SINTEF Digital departments



Department of Health
Research



Department of
Mathematics and
Cybernetics



Department of Smart
Sensors and
Microsystems



Department of Software
Engineering, Safety and
Security



Department of
Sustainable
Communication
Technologies



Department of
Technology Management



SINTEF

Research areas within digitalisation



Artificial Intelligence

Today humans are surrounded by breakthroughs within the field of Artificial Intelligence. Algorithms based on artificial intelligence recognise text, speech, sounds and images - and they are changing the shape of our common future.



Big Data

In the future, data will be a key economic asset. The ability to manage and extract value from proprietary data will provide industry players with a competitive advantage, making these data key drivers of economic growth and job creation.



Digital transformation in construction

Digitalization has the potential to make the construction industry more sustainable and profitable.



Digital twins and mixed reality

Digital twins and mixed reality are reshaping the future of employment.



Health and wellbeing

It will not be possible to extend the current health and wellbeing services without research and innovations aiming to improve care quality and provide more efficient operation, diagnostics, and treatment.



Industrial Cyber Safety

Digitalisation in the industrial sector means that previously isolated ICT systems are now being linked to the internet, enabling us to exploit both historical and real-time data, stimulate more efficient production and operations, and automate a...



SINTEF



Internet of Things

The internet of Things (IoT) is the technology that links our various devices to the internet and makes them intelligent. Cars, fridges and workplace production systems are just a few examples of things that can be made to communicate with each other...



Mathematics in Technology

Mathematics and technology are inextricably linked, with advances in one field driving innovation in the other. Mathematics underpins algorithms and data analysis techniques are used across a diverse range of industries, while technology has...



Robotics and autonomy

Robotics and autonomy are paving its way into new usage areas. SINTEF contributes with expertise, technology and infrastructure to create sustainable robotic solutions for both industry and the public sector.



Sensors

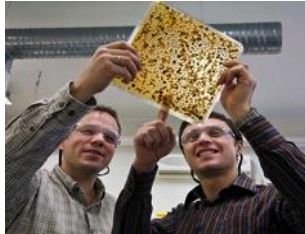
Sensors are the foundation of digitalisation and autonomy, whether they are used for robotics, heart rate monitoring or controlling industrial processes. Today, SINTEF is world leading in designing and building advanced sensor components and systems...



Partnership with UiO (and NTNU, Trondheim) both at strategic and operational levels



UiO : **University of Oslo**

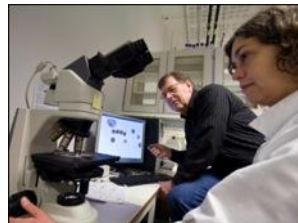


UiO personnel
work on SINTEF
projects

← Strategic coordination →



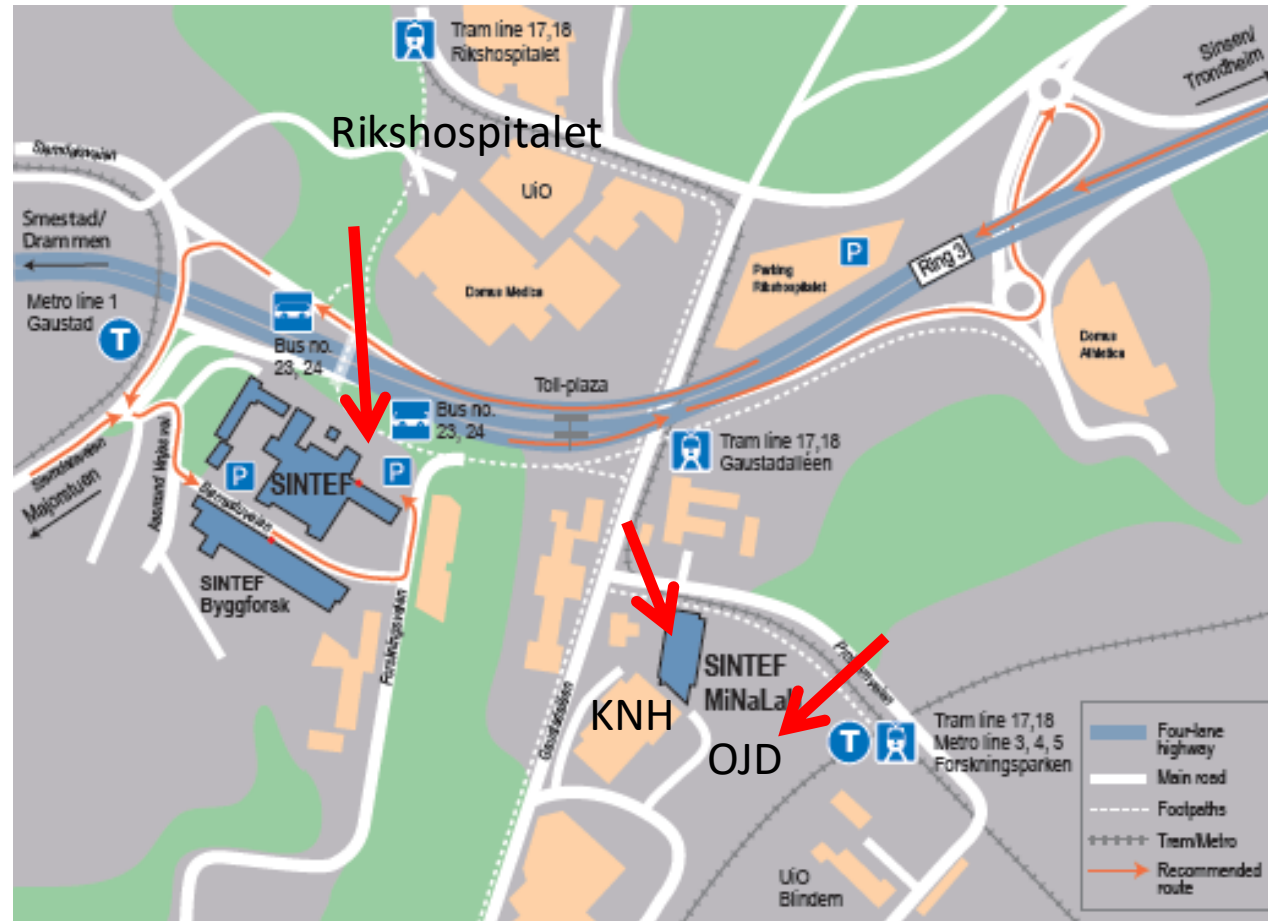
SINTEF staff
teach at UiO



Joint use of laboratories
and equipment

Cooperation between SINTEF and UiO has developed over 75 years
(75 year Anniversary 2025 – since 1950/1949)

SINTEF is located in Gaustadbekkdalen
close to UiO/ifi





A selection of available master thesis projects at SINTEF Digital

Updated **new** master thesis topics
By start of September



Collaborative image annotation for Deep Learning

Reducing the need for large initial training data sets by including a human domain expert in the loop when training classification models from annotated data.



Contextualizing images with heterogenous data from multiple sources

Combining images and relevant, useful information from various data sources to increase usefulness of images for insight and analysis.



Data-driven construction site

The overall project aims to reduce CO₂ emission from dumpers working on road construction projects by improving the coordination between dumpers and excavators.

Master thesis at SINTEF

- Focus on: **Technology for a better society and Research for Innovation**
- Problem-oriented focus – Applied Research – working with problem owners and solution providers in industry (large, SME) and government.
- International collaboration – participation in European and International projects – international research partners.
- English as working language for the thesis.
- Possibility for **part time work** engagement during the thesis work. Summer Researcher.
- Possibility for **future employment**.
- Your Grade average should be suitable for a possible future PhD position.

Summer Researcher

- Master's thesis **topics linked to ongoing** SINTEF research projects
- **Opportunities** for part-time work at the SINTEF **Summer Researcher** program
- **Strong recruitment pathway**
 - many researchers started with a master's thesis at SINTEF
- **Strong career opportunities in research**
 - PhD studies, industry, consulting, and startups

NO sintef.no/karriere-i-sintef/

GB sintef.no/en/sintef-group/career/

How to get started?

Infomeeting will be organized at SINTEF end of September

See topics and contact information here:

sintef.no/en/digital/master-students/

Look for MSc-topics presentation event at SINTEF here:

sintef.no/arrangementer-og-kurs

Last years event: sintef.no/arrangementer-og-kurs/arkiv/2025/qa-master-thesis-topics-at-sintef-digital/

You might make direct appointments with the contact persons themselves.

Or contact:

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