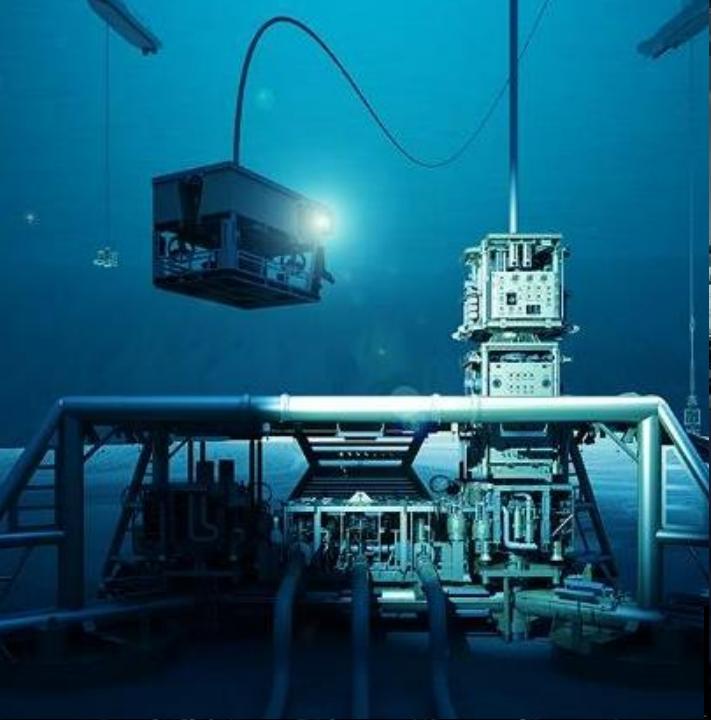


Kongsberg Cluster

An Industry driven competence Cluster

Managed by Kongsberg Innovation



Kongsberg Cluster

Industry driven competence cluster.

Wide range of cluster partners that operates from deep sea to outer space.

Focus on systems engineering, complex systems and advanced manufacturing.

Norwegian Center of Expertise (NCE) program.



Høgskulen
på Vestlandet



maritime
cleantech

DIGICAT

NORSK
KATAPULT
SENTER

NTNU
Ålesund

National
Innovation Center

EYDE
CLUSTER



UiA Universitet
i Agder

SUSTAINABLE
ENERGY

| NORSK
KATAPULT
SENTER

NCE Kongsberg Cluster

USN Universitetet
i Sørøst-Norge

Fagskolen
i Viken

SINTEF

NTNU

BI
Norsk Industri

NCE iKuben
Norwegian Centres of Expertise

MANUFACTURING
TECHNOLOGY

| NORWEGIAN
CATAPULT
CENTRE

DigitalNorway

nce smart
energy markets

IFE

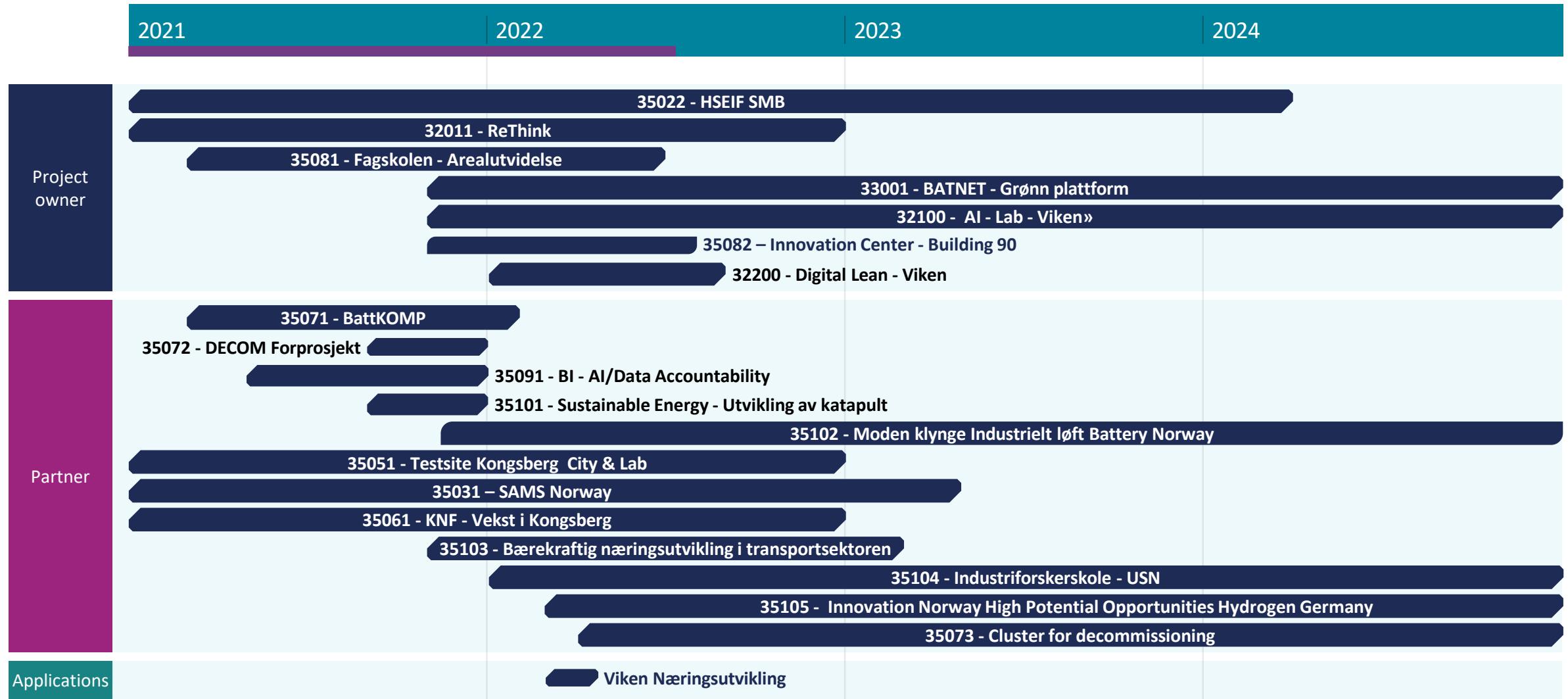
NMBU

Norwegian University
of Life Sciences

H

Høgskolen i Østfold

Ongoing projects and programs



Selected Cluster Projects



BatNet

Norwegian Battery Packing Network

- Full scale infrastructure to pilot and demonstrate automated production and recycling of complex battery systems
- Maritime market



ReThink

Norwegian Advanced Design and Innovation Center

- Additive manufacturing and simulation driven design
- Kongsberg Group, TechnipFMC, GKN Aerospace and Kongsberg Automotive



H-SEIF

Human Systems Engineering Innovation Framework

- Collaboration between industry and academia
- Create value from big data and digitalization at early stage
- Innovation



Industripilot Kongsberg

Industry 4.0

- Building competence and long-term sustainability perspective for Norwegian industry
- Strategic development projects to secure transition to Industry 4.0



AI Klinknode

Use of big data and AI for the industry

- Collaboration with Smart Energy Markets, Cluster for Applied AI, Digital Norway and Kongsberg Cluster
- Develop competence “AI-Lab Viken”

Innovation Center

«Sand box» for testing and development of products and production systems

- Develop expertise and knowledge for future **deep-tech industry**
- Develop new solutions for **engineering, testing and verification**
- Create a unique facility for development of future **energy systems**
- **Double the speed of innovation** for new ideas
- **Reduce time** to perform digital transformation projects **by 50%**





17000 m² Innovation Center

Welcome centre, event facilities,
restaurant & catering

Showroom for participating partners

Available lab's:

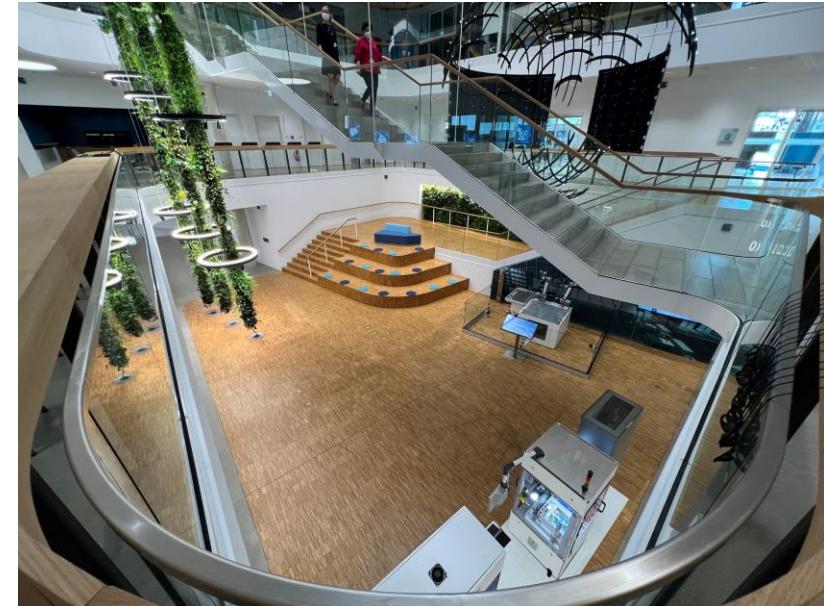
- Kongsberg Innovation Centre
- Festo lab
- Prototype lab
- Composite lab
- Simulator lab
- ReThink lab
- startup

Co-working spaces, meeting rooms,
offices and conference facilities

Digital access

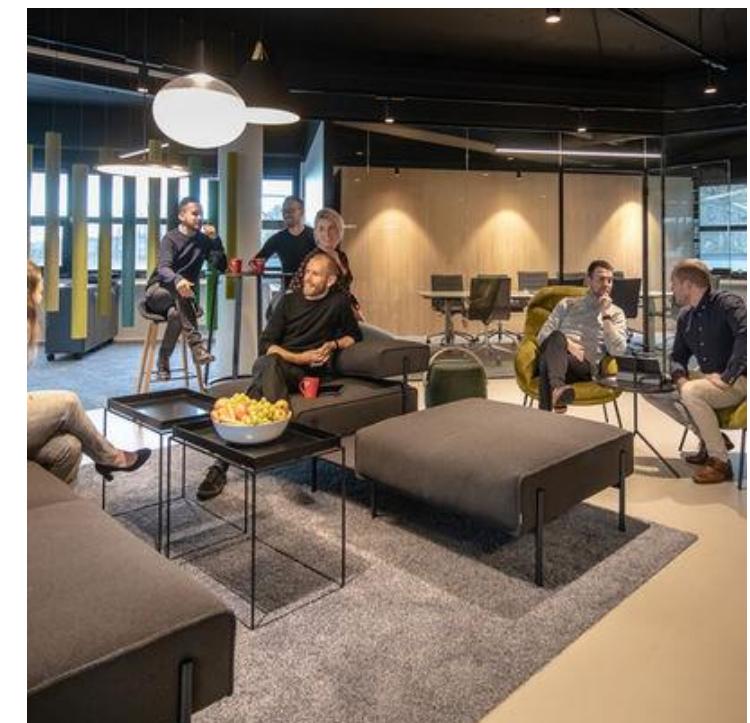
Activities

- ✓ Innovation projects
- ✓ Testing
- ✓ Education
- ✓ Production (industrial scale-up)
- ✓ Strategy and leadership workshops
- ✓ Exhibitions
- ✓ Conferences
- ✓ SMB digital Transformation
- ✓ Coaching of start-ups



Offering

- ✓ Offices
- ✓ Production facilities
- ✓ Labs and equipment
- ✓ Project rooms and co-working spaces
- ✓ Membership with benefits
- ✓ Match making / B2B
- ✓ Advisory
- ✓ Consulting



Inspirasjonsbilder





The Team



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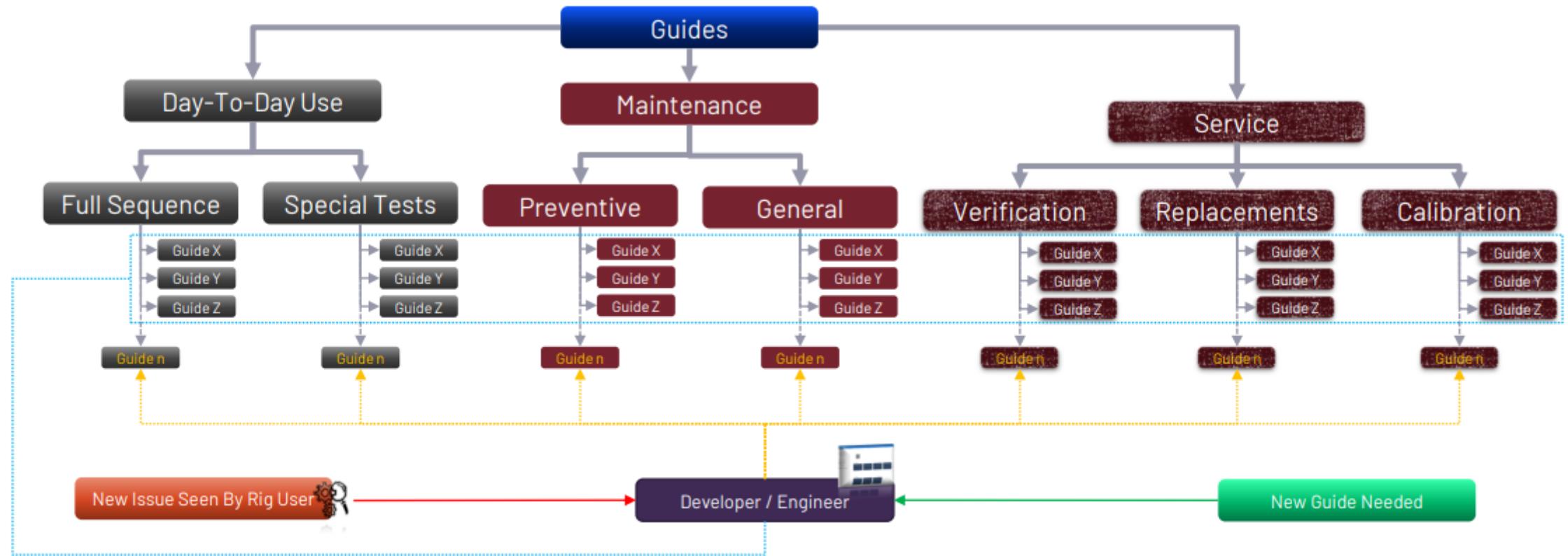
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Partner Manager
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Augmented Reality

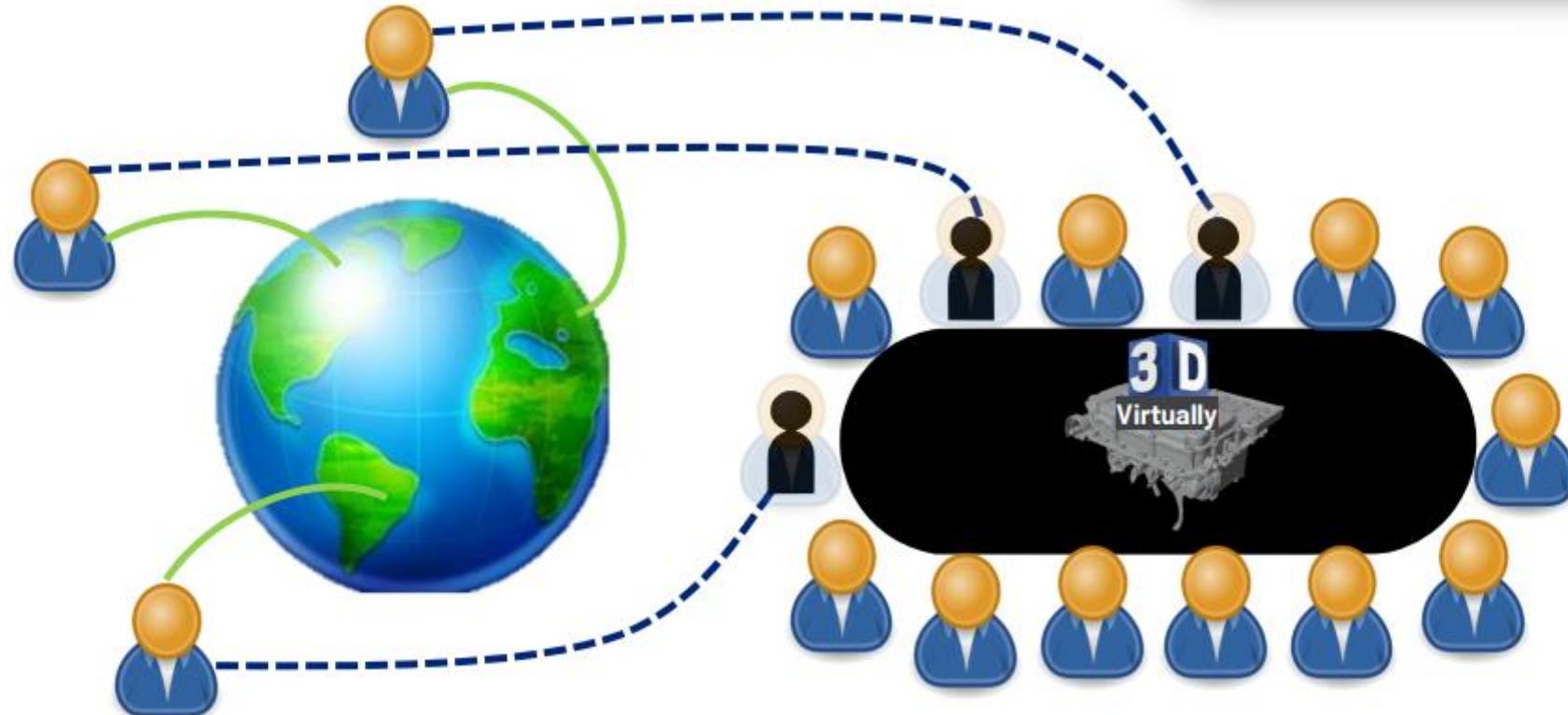
WHERE WE ARE : GUIDES

- > Waiting for IT solution for admin rights
 - » Be able to organize the structure of the "Guides environment"
- > General Guides
 - » Divided into Categories



WHERE WE ARE : JOINXR

- > Demonstration from Fracture Reality
- > Given 2 trial licenses
- > Learning the software by using it



WHERE WE ARE : REMOTE ASSIST

- > Used in support activities towards China
- > Minimize language barriers
- > Increase safety
- > Visualize the issue
 - » Complex rig with hundreds of parts



GOLD



NCE Kongsberg Cluster



AI Klinikknode



Lars Eirik Lyshaug



Helge Dahl-Jørgensen



Marianne Jansson Bjerkman



Eli Haugerud

Hovedmål og delmål:

Hovedmål: Etablere og tilgjengeliggjøre ekspertkompetanse for raskere å drive frem teknologiinnovasjoner basert på digitalisering og AI og som skal styrke internasjonal konkurranseskraft for norsk industri.

Delmål 1: Identifisere industribehov for digitalisering og AI i et Industri 4.0 systemperspektiv.

Delmål 2: Etablere AI-klinikknode for Industri 4.0 i Teknologiparken på Kongsberg.

Delmål 3: Akselerere kompetanseheving, nye innovasjonsprosjekter og datadrevet innovasjon i industribedrifter.

Delmål 4: Øke tilgang til industrispesifikk domenekompetanse og potensielle samarbeidspartnere for leverandørbedrifter.

I prosjektet skal vi:

- Etablere og tilgjengeliggjøre ekspertkompetanse for raskere å drive frem teknologiinnovasjoner basert på digitalisering og AI
- Identifisere industribehov for digitalisering og AI
- Etablere AI-klinikknode for Industri 4.0 i Teknologiparken på Kongsberg
- Akselerere kompetanseheving, nye innovasjonsprosjekter og datadrevet innovasjon i industribedrifter.
- Øke tilgang til industrispesifikk domenekompetanse og potensielle samarbeidspartnere for leverandørbedrifter.



MIKROKURS

Kunstig intelligens

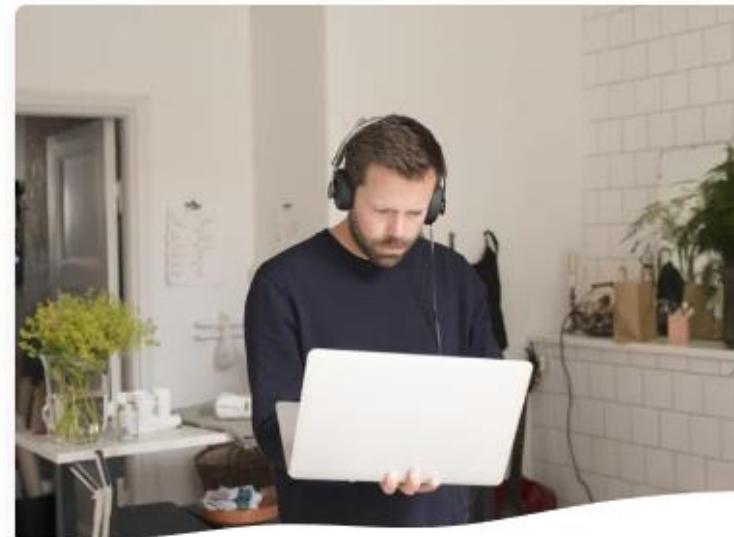
Mikrokurset som lærer deg det viktigste om kunstig intelligens på 10 minutter.

[Start](#)

10

6 Moduler

0% Fullført



MIKROKURS

Maskinlæring

Mikrokurset som lærer deg det viktigste om maskinlæring på 10 minutter.

[Start](#)

10

5 Moduler

0% Fullført



Kongsberg Innovation