



Contributing to the sustainable  
development of society and business,  
while thinking about future generations!

A photograph showing a group of diverse individuals from various ethnicities and ages, all with their hands joined together in a circular huddle. This visual metaphor represents teamwork, unity, and collective effort. The background is a soft-focus indoor setting.

Contributing to sustainable development of society  
and business by:

- Research and Innovation
- Facilitating a sharing culture in a vibrant cluster
- Initiating development of key competence,  
cooperating with schools and universities



Smart Innovation Norway's main purpose is independent, applied research within the fields of smart energy systems, smart cities and digitalization.

- Established in 2003
- 36 employees
- Leads the business cluster NCE Smart Energy Markets
- Became a Norwegian Center of Expertise in 2009

#### **Areas of expertise:**

- Smart energy
  - Smart cities and communities
  - Digital technologies and digital transformation
  - New sustainable business models/Culture for high performance
- 
- 87 cluster members
  - 250+ research partners

# YOUR INNOVATION PLATFORM

IDEAS - COLLABORATION - RESULTS - IMPACT



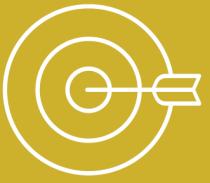
RESEARCH DRIVEN  
BUSINESS GROWTH





### NCE CLUSTER AND PARTNERS

- NCE Smart Energy Markets cluster
- Omstillingsmotoren
- 70 members from private, start ups, public and academic sectors
- Helping partners to identify and to apply research programs
- Work groups for innovation
- Training in core competencies



### BUSINESS DEVELOPMENT



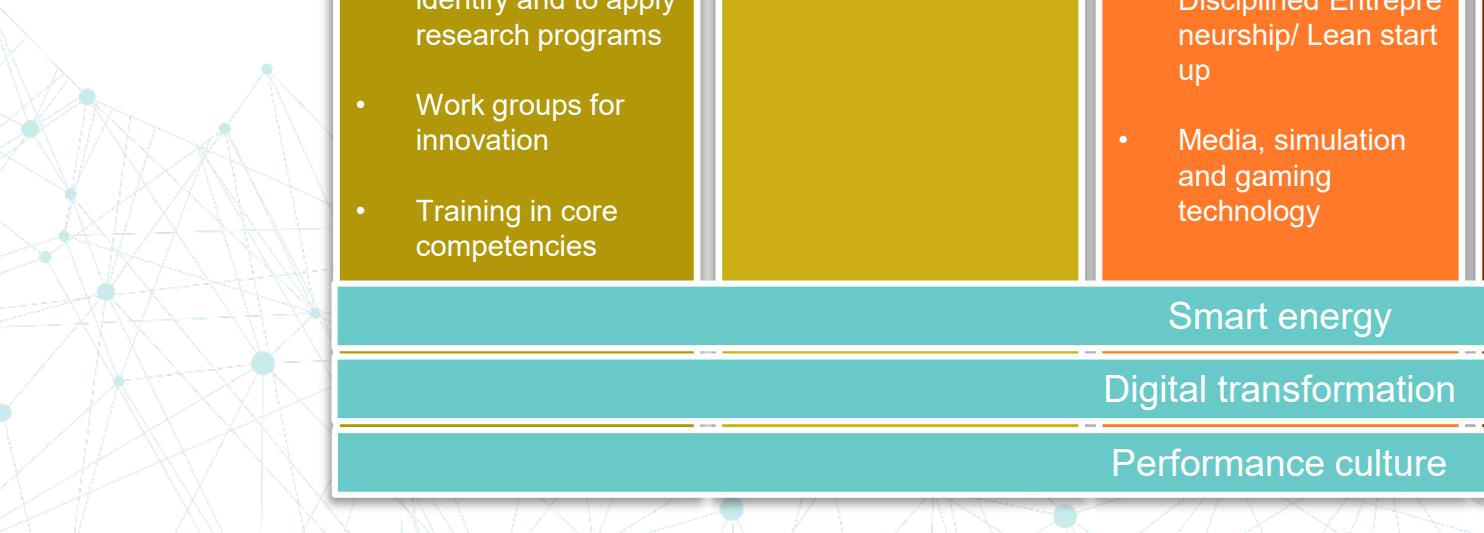
### INNOVATION LAB



### RESEARCH AND INNOVATION



### SMART CITIES AND COMMUNITIES



# SIN'S CONTRIBUTION TO THE UN SUSTAINABILITY GOALS



- Solar Village, Zambia
- Kunnskap i sentrum
- IPCO Uganda Ltd
- PERMIDES
- Virtuell korttidsavdeling
- Smartere Remmen
- Big Data opplæringsløp
- Det digitale samfunn PHD
- Smartere Remmen
- EMPOWER
- E-LAND
- INVADE
- Flexnett



- Flexnett
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- E-LAND
- INVADE
- Flexnett
- Innbyggerinvolvering
- EMPOWER
- Flexnett
- Horizon 2020-prosjekter
- NCE-programmet
- Omstillingsmotor
- Norsk Katapultsenter



# NCE SMART ENERGY MARKETS

# NCE SMART ENERGY MARKETS – MEMBERS AND PARTNERS

## PRIVATE ENTERPRISES



## ACADEMIA



## PUBLIC SECTOR



## COOP PARTNERS/ SPONSORS



## INCUBATOR

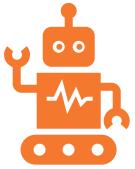


# AREAS OF EXPERTICE



## Smart Energy

Smart grids, energy balancing, smart buildings, new user-centric services (prosumer), smart city and business models.



## Digital transformation

Security, AI, VR/AR, Smart city, and new business models.



## Smart cities

Working with communities for green sustainable development.



## Performance culture

How to create a culture for high performance and learning. How to develop leadership and business models in industry 4.0 and in smart cities.

# NCE SMART ENERGY MARKETS

## Where

The cluster has a national focus and a strong local and regional anchor.

## Who

- A cluster in the Norwegian Centre of Excellence program since 2008. The program is administrated by Innovation Norway, SIVA and Norwegian Research Council.
- Focus areas: Digitalisation, Performance Culture, Smart Energy.
- More than 90 partner organisations constituting a triple-helix: Academic institutions, Corporations including startups, Public sector.
- Cooperating with other major clusters as: Digital Norway and the cluster for high performance culture ran by Olympiatoppen.
- The Cluster is facilitated by Smart Innovation Norway and financed by our members and public institutions (Innovation Norway/SIVA/NFR and Østfold County).
- Our members come mainly, but not exclusively, from these industries: Public sector, energy, ICT, construction



**PAY IT  
FORWARD**

# OPEN INNOVATION, SHARE AND RECEIVE – INNOVATION PROJECTS AND COMPETENCE DEVELOPMENT!

## Share

Share your knowledge

Share your challenges and customer needs

Share your ideas

Initiate cooperation with other partners

Participate in work groups

Participate in training

Think innovative and sustainable

Help us to improve

Report your hours



## Participate and receive

### Innovation/development projects with network members

Help in identifying and to a certain extent applying for R&D projects. (H2020 + +)

If available participate in H2020 projects

If available participate in projects with smart cities partners

Work groups focus on developing new innovative ideas and initiate projects in the areas digitilization, smart cities and smart energy.

### Competence development

Facilitation and workshops designed for your needs.

Cluster training program (Big Data, Business Development, presentation technique, Silicon Valley, turning tables)

EVU programs – develop and participate (HiØ, Christiania, Oslo Met)

# OPEN INNOVATION - SHARE AND RECEIVE NETWORK OPPURTUNITIES!

## Participate and receive

### Network opportunities

Work with authorities on developing new policies.

Cluster contacts provides business opportunities.

Official status as partner in a leading cluster.

Visualize your data and services.

Discount when using the Simulation Centre and Nordic Media Lab

Work with the Digital Knowledge Program from Innovation Norway. Developing digital competence at SME businesses.

Cooperation with other clusters. We have an extensive cooperation with Norwegian and International clusters and innovation partners: Olympiatoppen, Energy Valley, Kjeller Innovasjon, iKuben, Kongsberg Innovasjon

# KLYNGENS VISJON OG MÅLSETNINGER

Skape en bærekraftig samfunns- og næringsutvikling for nåværende og kommende generasjoner

- Akselerere utviklingen av ny teknologi, nye forretningsmodeller og innovasjon – bridging the gap
- Dele erfaringer samt utvikle ideer for å undersøke om fremtidige F&I prosjekter er gjennomførbare
- Dele kunnskap om hvordan digitale teknologier kan bidra til utvikling av nye tjenester og produkter
- Sikre at våre NCE-partnere har en bærekraftig kultur, ledelse og forretningsmodell
- God drift og utvikling

# KLYNGENS MISJON/VERDILØFTE OG FOKUSOMRÅDER

Utvikle internasjonalt konkurransedyktige virksomheter ved å tilføre og tilgjengeliggjøre spisskompetanse i klyngen

- Smarte byer og samfunn
- Digital transformasjon/digitalisering
- Prestasjonskultur/ forretningsutvikling
- Smart energi
- Klyngeutvikling

# DIGITALT KOMPETANSELØFT OG AVANSERT PRODUKSJON

[www.omstillingsmotor.no](http://www.omstillingsmotor.no)

- Klyngemedlemmers kompetanse til nytte for konkurranseutsatte SMB bedrifter
- Digitalt Kompetanseløft er en satsing fra Innovasjon Norge rettet mot små og mellomstorebedrifter som ikke er en del av et etablert klyngeprogram.

Satsingen skal bidra til økt konkurransekraft og vekst gjennom omstilling og digitalisering.

- To motorer, fem kompetansemiljøer

- Digitalt kompetanseløft, Smart Innovation Norway, iKuben, Kongsberg Innovasjon, Digital Norway
- Avansert produksjon, NCE Raufoss Skreddersydde workshops, hospitering, rådgivning, skreddersydde lederkurs og andre former for kompetanseheving.
- Bedriftene får dekket inntil 50% av kostnaden (kostnad inkluderer egeninnsats)
- Ta kontakt!

# REGIONAL PARTNER WITH DIGITAL NORWAY

Sammen skal vi øke  
norsk konkurranseskraft

- Et **non-profit** stiftet av 15 ledende, norske selskaper for å sette fart på digitaliseringen av norsk næringsliv
- Norge er et lite land, og for at vi skal oppnå økt konkurranseskraft, er vi nødt til å **stå sammen og gjøre hverandre gode**
- Rigget på tanken om at vi **deler der vi kan og konkurrerer der vi må**

proneo

Kongsberg Innovasjon  
NCE Norwegian Centres of Expertise

NCE iKuben  
Norwegian Centres of Expertise

Mo Industripark as

Kommunal- og  
moderniseringsdepartementet



Statens vegvesen

FERD

Ruter#

OBOS

gard

KONGSBERG

Statnett

SCHIBSTED  
MEDIA GROUP

lyse

DNV·GL

SMART  
INNOVATION  
NORWAY

[digitalnorway.com](http://digitalnorway.com)

# OLYMPIATOPPENS PRESTASJONSKLYNGE



Olympiatoppen



Talent Norge

DEN  
NORSKE  
OPERA  
&  
BALLETT



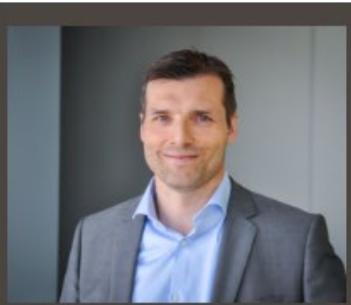
NRK



SMART  
INNOVATION  
NORWAY

Snøhetta

# VÅR KLYNGEAVDELING



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