Innovasjonsdialog: Spillteknologi og maskinlæring for å effektivisere havoperasjoner

Jon O. Hellevang, Senior Ocean Technology Innovator
The Cluster Map

PARTNERS

Industry

AkerBP  Aker Solutions  ebb  DNV-GL  equinor  TechnipFMC  Gassco  OneSubsea

R&D

NORCE  SINTEF  VIFA  Research Politec

Development Contributors

Flora kommune  Sogn og Fjordane Fylkeskommune

MEMBERS

Higher Education Institutions

Høgskulen på Vestlandet  NTNU  Norwegian University of Science and Technology

Supported by

Cluster Relations

National Relations

International Relations

SubC Solutions  WestGuard  Well mend  Waveco  Westerdal Building  Sapa  Runde Mølensenter  Rystad Gruppen  Medusa Hidro Power  Metalsolve  Metalverk  Leknes Vestre  Klein  KW Norge  Innovation Norge  siva  Innovation Norway  Forskningsrådet  NCE Ocean Tech  Arctic Frontiers  Bleik Fiskeriforbund  Boprotein  Brødrene Halvorsen  Bisselvik
drift  BiPolar  Barents  Barents

2 / 03.06.2019
Mission and Goal

• GCE Ocean Technology is an industry driven organization to strengthen innovation and internationalization of our cluster.

• **Main goal:** Increase the cluster’s competitiveness and global market share and take a leading position in sustainable utilisation of ocean resources.
Ocean Industries

- By far the most important industry in Norway
- 760 BN NOK value creation
- 256,000 employees
- 37% of Norway’s value creation
- 70% of Norway’s export
- Ocean ~ 6 times larger than main land
Employees

OWE HAGESÆTHER
CEO

JON O. HELLEVANG
Senior Ocean Technology Innovator

GISLE NONDAL
R&D Manager

KAI STOLTZ
Business Development Manager

ANNE-GRETHE SOLBAKK
CFO

KJERSTI BOGE CHRISTENSEN
Communication and Event Manager

BERIT HAVER LIE
Office Manager

Florø:
TROND STRØMGREN
Ocean Technology Innovator
Strategy map

Deep-sea mining

Marine food production

Integrated monitoring

Subsea Factory

Offshore renewable energy
Strategy map

Potential
Double Value Creation
From Ocean Industries

Challenge
Sustainable Value Creation,
UN and Paris Agreement

Competence and Infrastructure
Technology
Entrepreneurship and Business Development
Digitalisation and Supply Chain Development

Implementation Capability: The Cluster and 5-Stakeholder Model

Ocean Industries: Oil and Gas
Offshore Renewable Energy
Marine Minerals and Seafood
Our Services

• Increase knowledge and expertise
• Support for innovation projects
• Business development programmes
• Meeting places
• International market programmes
• Large international network
• Promoting and marketing
• https://www.gceocean.no/membership/our-services/
50 Yearly Events

- Courses and training
- International Business Expertise
- Market Outlook Seminars
- Competent Capital
- Study tours and joint stands
- Investors meets SME’s
- Science meets industry
- Student meets industry
- Large international conferences
- Workshops and seminars
- Cluster speed-dating
- HAVlunsj at Vitensenteret

Ingvild Smines Tybring Gjedde at Underwater Mining Conference

Hosting session at the Underwater Technology Conference

Students meet ocean industries at Storm i et Vannglass
MIT ScaleUp – 100ScaleUps

- 24 steps to disciplined entrepreneurship
- Targeting SME with grow potential
- 12 week programme
  - Three weeks – full time
  - Nine weeks – 40-50%
- Norway and Boston

- 8 companies in 2018
- New program Autumn 2019
Pre-Project Funding

- GCE Ocean Technology provides financial and professional support to establish externally funded RDI projects
- More than NOK 1 billion secured in external funded RDI projects
- “GCE Ocean Technology has provided valuable support in several of our projects, both with their in-house expertise and by establishment of various market and technology focus groups”
  - Bjarte Fagerås, CEO OCTIO
- “GCE Ocean Technology support has helped enable WiSub to court top Norwegian and international partners and secure funding for innovation projects”
  - Mark Bokenfohr, CEO and co-founder of WiSub