



BERGEN KOMMUNE

GREEN CLUSTER IN BERGEN – ENERGY LAB

26.09.2017

Karina Garnes Reigstad, Advisor
Department of Business Development, City of Bergen

KOMPETENT | ÅPEN | PÅLITELIG | SAMFUNNSENKASJERT

Agenda

- City of Bergen – plans and strategic framework
- UN Sustainable Development Goals
 - UN SDG7 – Clean energy
- Renewable energy – status and potentials
- The role of the public sector
- Clusters as competitive advantage
- Building a green cluster
 - bGreen
- Display Norwegian low-carbon technology to the RoW
 - State of Green



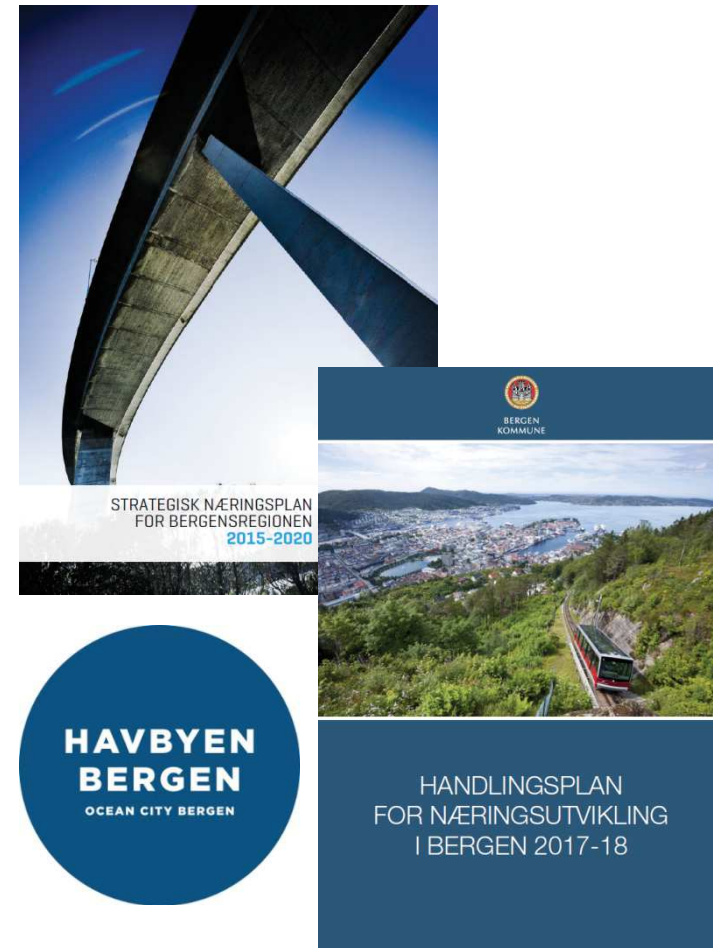
A green city in development

- Overarching target:
 - Increase Bergen's potential and growth beyond the oil and gas industry
- Focusing on newly established businesses, innovation and being an attractive city for entrepreneurs
- By means of increasing Bergen's qualities in culture, infrastructure, science, education, etc
- An active business development strategy and policy



Strategic Business Plan for Bergen 2015 – 2020

- Innovation is key!
- By 2025, Bergen shall be the leading city in Norway in innovation, entrepreneurship and sustainable business development
 - Energy
 - Maritime
 - Marine
 - Experience, Culture and Tourism
 - Media and cultural business



Dynamic breeding grounds for innovation

- Connect Vest
- Nyskapingsparken
- Ocean Industries Accelerator
- Impact HUB Bergen
- Innovation week in Bergen
- Youth Entrepreneurship (UE)
- Innovation and sustainability
- Connection to research/science

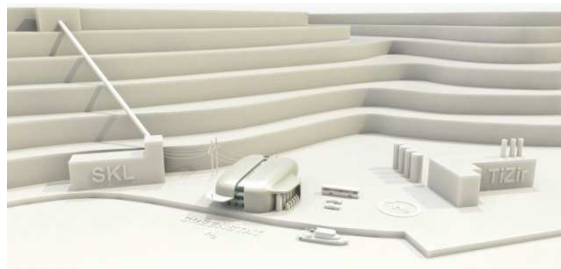


SDGs – and business



Clean energy

UN SDG 7 - *Ensure access to affordable, reliable, sustainable and modern energy for all*



Renewable Energy

Renewable Energy Production (2017)
11 billion NOK turnover
3.8 NOK value creation
2.629 employees
1060 companies



BERGEN
KOMMUNE

El-production on the West Coast

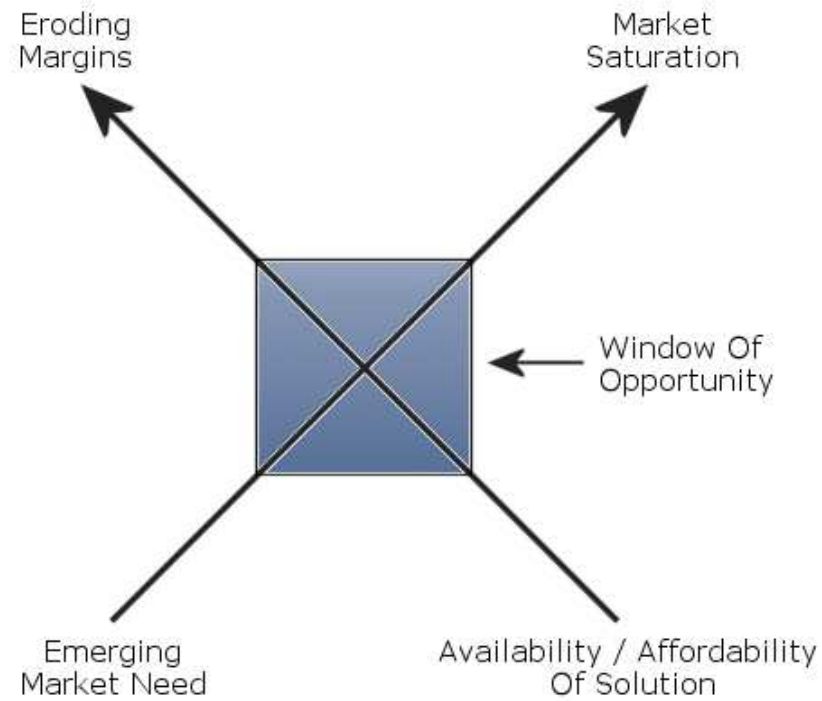
Kommune	Del av samla omsetnad	Kommune	Del av samla tal tilsette
Stavanger	18 %	Stavanger	21 %
Bergen	15 %	Sola	11 %
Sola	14 %	Bergen	11 %
Herøy	9 %	Herøy	7 %
Ålesund	7 %	Haugesund	5 %
Karmøy	4 %	Sandnes	5 %
Aure	4 %	Ålesund	5 %
Ulstein	3 %	Karmøy	5 %
Fjell	3 %	Austevoll	4 %
Sandnes	3 %	Fjell	4 %

AUD Report No. 7-16 Energiklynga on the West Coast.



BERGEN
KOMMUNE

Window of opportunities



The role of the public sector

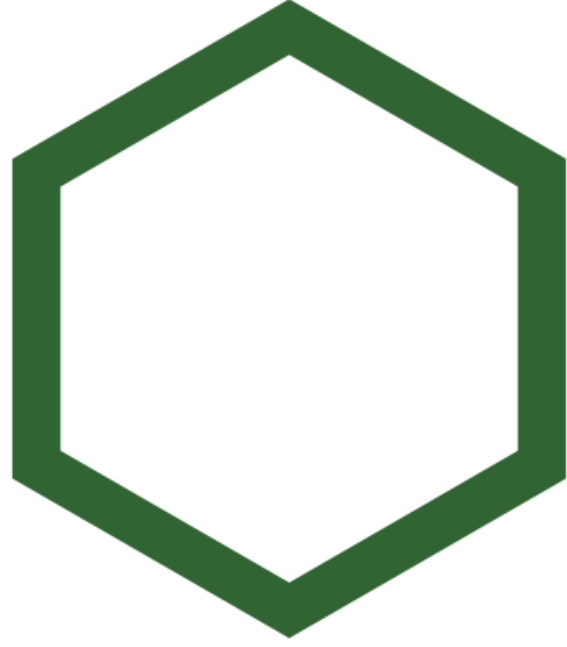
- Bergen – Motor for renewable energy
- Marketing and profiling of Bergen as renewable actor, internationally
- Exporter of low-emission technologies

Tiltak	Beskrivelse	Ansvar
«Green Cluster»	Næringslivet ønsker å etablere en fornybar klynge med samlokalisering av alle fornybare aktører i regionen som et utgangspunkt for videre samarbeid. Næringsseksjonen vil være en aktiv pådriver her, i samarbeid med Klimaseksjonen, Greenstat, HFK, Bergen Næringsråd, UiB, HVL m.fl.	Greenstat
«Visningssenter for fornybar energi»	Bergen kommune skal aktivt delta i arbeidet med etableringen av «Visningssenter for fornybar energi» i Bergen. Næringsseksjonen vil være en aktiv pådriver her, i tett samarbeid med andre næringsaktører og FoU-miljø i regionen. Konsept og lokalisering blir utarbeidet av aktører som også deltar i fornybar klynge.	Greenstat
«Science city Bergen»	Arbeide videre med energi utdannings-, forsknings-, innovasjons- og næringsklyngekonseptet «Science City Bergen», sammen med relevante regionale aktører. Partnere i prosjektet er Statoil og BKK, sammen med FoU og utdanningsinstitusjonene som består av Universitetet i Bergen, Uni Research, Christian Michelsen Research, Høgskolen i Bergen og Norges Handelshøyskole.	Statoil, BKK, FoU

Bergen – strategic focus on clusters and cooperation



BERGEN
KOMMUNE



b Green



BERGEN
KOMMUNE

A green business cluster in Bergen

- Gather businesses with green energy and technology activities, or that are working in other ways to reduce carbon emissions
- The cluster aims to be central to this type of activity in the region
- Attract expert communities from different knowledge- and business segments
- Contribute to green job creation



BERGEN
KOMMUNE

Pre-project May to December 2017

- Led by Greenstat
- Support from Hordaland fylkeskommune and Bergen kommune
- Key dates:
 - Start up 1. May 2017
 - May – June 2017
 - Find suitable location
 - Develop graphical profile and name
 - Develop website
 - Potentially sign agreement with Bergen Works
 - Identify businesses to cooperate with
 - June – December 2017
 - Project management – cluster establishment
 - Profile and marketing
 - Talk with established and new businesses
 - Work with application and plan for the main project in the period 2018-2020
 - Finished by the 31.12.2017 with plans of direct continuation starting up on the 01.01.2018





State of Green

Join the Future. Think Denmark



BERGEN
KOMMUNE



Thank you for listening!

