NTNU’s campus development

Unifying campus in Trondheim
COMPREHENSIVE CAMPUS DEVELOPMENT IN TRONDHEIM

BUILDING PROJECTS STARTED UP BEFORE UNIVERSITY MERGER IN 2016
Knowledge for a better world

- NTNU’s campus is to be the physical frames for international outstanding learning, research, innovation and outreach
- NTNU’s campus attracts the best students, employees and partners
Fusjonsplattform

Forord
Regjeringen beordret Høgskolen i Gjøvik og Norges tekniske høgskole (NTNU) til å innføre fusjonsplattformen i 2016.

Hensikten med projektet er å klargjøre profesjonelle støtter og systemer og utløse synergier og ambisjonsnivået på samarbeidspartnernes oppstarten av det strategisk strategdokumentet i fagområdene.

En arbeidsgroup har hatt som oppgave å høvne og formulere forslag til fusjonsplattformen.

KVU FRAMTIDIG LOKALISERING AV CAMPUSSAMARBEID

Framtidig lokalisering av campus NTNU
Quality principles

- Living Laboratory
- Unifying
- Sustainable
- Effective
- Urban
- Network of Hubs
UNIFYING

CAMPUS CONTRIBUTES TO COMMUNITY

Success criteria:
• Campus gathers relevant disciplines
• Campus is concentrated
• Campus has visible and easily accessible meeting places
URBAN

AN URBAN CAMPUS IS ATTRACTIVE, OPEN AND FULL OF LIFE

Success criteria:

• Campus is open and inviting
• Campus and the city share facilities
• Campus has urban features
NETWORK OF HUBS

CAMPUS HAS DEFINED HUBS WHICH ARE TIGHTLY CONNECTED TO EACH OTHER AND THE CITY

Success criteria:
• Campus has profiled and outwardly directed hubs
• Campus has walkable distances between hubs
• The network is part of the city’s public structure and system for transportation
EFFECTIVE

USABLE AND EFFICIENT AREAS CONTRIBUTE TO GOOD WORK PROCESSES

Success criteria:
• Campus has high usability
• Campus has efficient area use
• Campus has flexibility in area design and use
SUSTAINABLE
CAMPUS IS LEADING IN ENVIRONMENTAL OUTSTANDING SOLUTIONS

Success criteria:
• Campus is energy effective and has a low carbon footprint
• Campus has effective and «green» transport and mobility
• Campus is durable and ecological in its entire lifecycle
LIVING LAB
CAMPUS IS THE PLACE FOR EXPLORATION

Success criteria:
• Campus is an experimental arena
• Campus has attractive arenas for innovation, entrepreneurship and the eagerness to create
• Campus has easily accessible experimental infrastructure
Activities 2016-2017

**MASTERPLAN**

- Main physical plan
- Map patterns of activities and use of areas, develop concepts/models for different compositions of area categories
- Localization for disciplines within campus

- Involve and communicate to
  - Create an increase awareness
  - Gather knowledge
  - Release potential and opportunities

- Five building projects have been included in NTNU as part of the university merger in 2016

- **Aims and principles for campus**
- **Masterplan for campus**
- **Develop concepts**
- **Surveying**
- **Defining overall location**
- **Location of academic disciplines**
- **Reorganisation of faculties and departements**

**City planning process – dialog and decisions**

- **Functional program, design and building program**
- **Building period x**
- **Building period y**
- **Building period z**

- **Technology Building ready Jan 2017**
- **New building in Gjøvik ready Oct 2017**
- **NMK2 Ålesund ready Aug 2017**
- **New building for Health Care Education ready 2019**
- **Earliest building start for unified campus in Trondheim**
- **Building for Teachers Education ready Jan 2018**
- **New building in Gjøvik ready Oct 2017**
- **NMK2 Ålesund ready Aug 2017**
- **Technology Building ready Jan 2017**

**Quality assurance of functional demands**

**Preparing for use of new areas**
ntnu.edu/campusdevelopment
Program for INVOLVEMENT
Involvement program

1. Aim
2. Define
3. Design
4. Build
5. Use

- What shall NTNU achieve?
- What shall campus contain?
- How shall campus be formed?
- How shall the organisation use the areas?
- How to improve campus?

Policy document

Overall campus location

Coherent campus plan:
- Physical plan
- Area concepts
- Faculty location

Functional program

Building program

Quality assured functions

Policy for use

Evaluating use

Adapting use and areas

End users
Unions
Experts
Decision makers
Staff
Students
Partners
City inhabitants
Visitors
Industry and public sector

End users

Unions

Experts

Decision makers

International leading academic environments
Academic environments NTNU and SINTEF
Student social organisations
Environments for innovation
Local industry and public sector
Government (local and national)
Public administration
Partners
Architects, planners, entrepreneurs, engineering communities
Professional advisors

Labour unions
Work place and safety representatives
Staff representatives
Student representatives
Student democracy organisations

Parliament
Government
Ministry of Education and Research
Local politicians
The city
NTNU board
Rector (Project board, management and deans)
Examples of involvement
OVERALL LOCATION
Stipulated area needs

STIPULERT AREALBEHOV
Stipulert arealbehov iht. kunnskapsdepartementets tilleggsutredning 23.02.2015

<table>
<thead>
<tr>
<th>AREALFUNKSJON</th>
<th>STIPULERT AREALBEHOV M²</th>
<th>LOKALISERING</th>
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<tr>
<td>Flytting av Dragvoll-miljøene</td>
<td>75 000</td>
<td>3 alternativer</td>
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<td>K1 + Vitenskapsmuseet, magasiner og utstilling</td>
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<td>Kalvskinnet</td>
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<td>H1/H2 - KAM</td>
<td>25 000</td>
<td>Høgskelebakken</td>
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<tr>
<td>H1/H2 - Flytting av produktdesign til KAM</td>
<td>3 000</td>
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<tr>
<td>E2/G4 - Innovasjonssenter</td>
<td>6 500</td>
<td>Hesthagen</td>
</tr>
<tr>
<td>Ø6 - Senter for psykiske helse</td>
<td>6 500</td>
<td>Øya</td>
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<tr>
<td>SUM NTNU</td>
<td>136 000</td>
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Området bør også potensielt ha kapasitet til nytt idrettscenter for Sitt på 5000 m².

Areaaloverslagene er etablert som underlag for overordnet lokalisering. Det må derfor påregnes justeringer i arealbehovene når de enkelte prosjektene defineres i påfølgende faser i campusutviklingen.
Existing university areas:

Possible areas for development:

- MECICINE
- HEALTH
- ECONOMICS
- ENGINEERING
- ARCHITECTURE
- NATURAL SCIENCES
- MATHEMATICS
- INFORMATICS
- ENGINEERING UNIVERSITY MUSEUM
- CITY CENTRE
Infrastructure for laboratories, research and innovation:

Students: living areas and facilities
Coherent technical infrastructure:

Walking distances and cycle roads: