

# **NORDIC WOOD BUILDING CONFERENCE**

## **More Wood**

**Instruments and tools in a motivation process**

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# Have politicians anything to say?

**Politicians- chosen by the people- to serve the people.**

- Fullfill your promises and bring forward new ideas.
- Cultivate common VISIONS and AMBITIONS.
- Inspire, stimulate and motivate, to plow the land for INNOVATION and new CREATIONS!

Important;

**Tomorrows possibilities- are starting today!**

- To execute and carry out the plans are time consuming – but work hard and do not give in!
- You have to be a team player and partner, but also take the lead and be the guiding star, when conflicts arise and problems are overwhelming.
- Decisions must be made, not only meetings to be held.



# What is our holistic starting point?

- Climate change and adoption to climate change
- Energy scarcity and the need for energy efficiency
- Growth- more people, less space.
- Human rights
- Cultural traditions and identity, and a new multicultural society
- Smart buildings and new technology- and new EU legislations, regulations and standards
- Demand for a sustainable and co-ordinated area – and transport development
- Lifecycle perspectives for buildings and «eternal» perspectives for people



# Tradition and Innovation

- Cities have «roots», but also boots
- You have to walk face forward and welcome the future.
- Build on a cities cultural and historic foundation, and add on with new knowlegde, collaboration and innovation.
- Protection is important- but renewal is fundamental.
- The signature of your city can be read in the street patterns, public places, scale of buildings and the nature surrounding the place- do not forget to translate this into new areas and development- this is about identity, the well beeing of people ,meaning, social life and the functions of the city.



# Mediate, Anchor, Alter, Modify, Change!

- We had to adopt to a new challenging future, but built on our sacred foundation, our cultural heritage and traditions:
- We had a holistic, sustainable approach to the new planning and development:
- The Bergen Program for Transport, Urban Development and Environment ,with the Light Rail as a «plow», bringing forward new land and transforming old spaces for development.
- Technical transformation in the field of water, sewage and waste, with the installation of pipelines for heat from waste and pipelines for waste, under the ground (energy efficiency and resource allocation)



# Implementation through plans

- The Bergen Scenarios 2020 and the visionary program « Seven Steps Forward» for Bergen
- The Municipal Area Plan with new coordinating functions and strategic map, sosio-economic map and new regualtions .
- Children and good living conditions as foundation for development strategies
- Climate and Energy Action Plan ( area and transport, counstructions, energy, waste)
- Cities of the Future program and the local area approach:  
« New Energy around Damsgårdssundet»
- « Time for Wood» in Bergen, building program in wood
- Architecture, city shaping and place making politics



# Visions and Ambitions

- Choose sustainable solutions, bring in the the force of empowerment, environment, engagement and energy, -this can carry us into a righteous and virtuous future
- We have to have bigger dreams than cheap petrol!
- Develop cities with buildings and homes for people; the «co-reators» and place makers- and stimulate involvement!
- Develop cities for all men- and women- and do not forget that a city that is good for children, is good for everybody.
- Playgrounds for children, the public places for everybody are important « cells» in the city organism.
- Register the footpath of children before developing,



# City Shaping and City Structure

## Not only «singleminded» projects

- Tell the story of the city you want to create with inhabitants and developers-paint the picture, share the vision:
- Clean fjord in the city , beaches and arenas for sport and swimming
- Access to the mountains surrounding the the city, and development plans for farming areas, green and blue infrastructure( parks, public places, rivers, lakes, forests)
- Housing programmes and a socio-economic local area development strategies-the right to have a home and good living conditions-a human right.
- Light-rail grid, and cars under the ground or out of the city center
- Sustainable buildings – low energy use -construct in wood!





# We started a dialogue and established common arenas

- **We had to widen the perspective and address the future!**
- You have to want something, to dare to do something, to choose and share something
- Combine visions and traditions
- Work and «walk» with others;
- «If you want to walk fast- walk alone
- - if you want to walk far, walk together with somebody»



# The profound dialogue about Bergen November 2003- The Urban Development Conference

Urban development is about:

- People
- Public resistance
- Power and passion
- Past and future
- Politics and opinions
- Purpose
- Peace and happiness
- Pluralisme
- Possibilities
- Pedagogy



# Arenas for knowledge sharing: Mobilize, informe, inspire, motivate!

- **The Bergen City annual Urban Development Conference:**  
an importing meeting-place , arena for knowledge sharing and input, information, engagement and debate.
- **The Forum for Professional City Developers:** Lead by the Commissioner of Urban Development, Climate and Environment .  
Three times a year – informal meeting arena for central actors in the field og urban development and construction business.



## Other arenaes for knowledge-sharing, and other stimulating tools

- Forum for housing programs
- Forum for neighbourhood associations
- The municipal environmental prize
- The municipal architecture and - og city shaping prize
- The council for cityshaping and architecture (RBA):  
Consultative council to survey the architecture and city shaping field
- The prize for developers, initiated by the Bergen Architect Association (every 2.nd year)



## Arena for knowledge sharing: External actors also invated to collaboration

- **City frictions (Byfriksjoner):** The external actors in the urban development field; the Bergen School of Architecture, Bergen Academy of Art, The Bergen Architect Association , The Association of Landscaping Architects and Designers in Bergen, The Association of Housing and City Planning in Bergen and the Design Region Bergen, created their own network "City frictions " as a response to the Forum for Professional City Developers in the Bergen municipality.



- **The Forum for Wood»** Collaboration between the Bergen School of Architecture, Bergen Academy of Art and the County Governor
- Collaboration with other norwegian wooden cities; Trondheim and Stavanger (Norwegian Wood).
- **Nordic Wooden Cities:** Membership and secretariate ( 2 years)
- **Breakfast meetings:** The municipality established a collaboration with the local experts and institutions adresssing the theme Cities of the future/ Buildings of the Future. (The Municipality of Bergen, County Governor, The County of Hordaland, The Regional Housing Bank, The College of Bergen and the Bergen Architect School )
  - Shared knowledge, uncovered the need for new knowledge and discussed the level of ambitions and architectural quality



# The Nordic Wooden Cities



The Nordic Wooden Cities  
won the Eropean  
Innovation Award-  
The Schweighofer-prize in  
2013

Picture: Pfluegel





# Connected competence and resources locally

- The Municipality , the Bergen School of Architecture, the Bergen Academy of Art , the Regional Housing Bank and the College of Bergen,( Høgskolen), collaborated in a systematic way.
- **The challenges of climate change** demanded new competence and knowledge. The Commissioner took the initiative to establish a Regional Climate Council for the Bergen Region, later extended to the whole county; the Climate Council of Hordaland for political leaders and the Climate Network of Hordaland for the official experts, now lead by the County of Hordaland.





# Collaboration in education, and the creation of a common foundation in the field

- Established a project to coordinate and develop a common foundation in the field, for the university- and educational institutions involved.
- Started the dialogue to establish a study , at Master level, at the University of Bergen, in order to provide better qualifications and education locally.



# Implementation through a holistic development-architecture- and city-shaping program

- The overall planning toolkit and program commitment must be clear and understandable
- Communicate the strategy in a simple, visual and interesting way-all the time!
- Inspire actors to participate in the programs through example- and test projects. Learn by doing!
- The plans for the program needs to have spesific and measurable goals and qualities, structure and robustness
- Make sure the projects are completed, show the results based on your plans and ambitions. Share sucess-stories!



# Implementation through a holistic development, architecture- and city-shaping program

- There has to be activity all the time during the project period, while you are waiting for the bigger projects to be finished. Seminars, experimentation, competitions ( The Bergen International Wood Festival etc)
- Use an actionbased and mobilizing approach
- Sustainability concerning environment, energy, economy and social perspectives must be an integrated approach from beginning to end, both in the projects and in the practical work.
- Make sure the goals and specifications are shared and understood by all the participating partners, externally and internally.



# Process is important

## «a plan is nothing, planning is everything»

- **Create a process with a broad participation** for both plans and implementation. This is critical. Ownership to the program and projects must be achieved!
- **Establish collaboration** with professionals, educational institutions, neighbourhood groups and companies, in order to succeed and reach the goals. Build on historic expertise and traditional craftsmanship



# Innovation and quality

- **Cultivate and create a culture for innovation and interpretation**, without throwing cultural identity and the historic building tradition and heritage overboard! This is important to motivate both inhabitants and developers.
- **Claim that the new buildings must respect their surroundings** when it comes to context, scale, traditions, material qualities, typologies, changes in social patterns and preferences, and new requirements. Only the best is good enough for most people.
- **Quality, design and architecture are driving forces for engagement!**
- **Economy must be addressed.** The projects, apartments etc., must be affordable!



# «Time for Wood» in the wooden city of Bergen!

- **We chose 3 pilote areas, different in character, for the wood- program in Bergen:**
- **1.Damsgårdsundet-** transformation of a former industrial area with the need for higher density, infill projects, and innovation
- **2.Bergen South-** New development areas –former farming land.The Zeb-project and area development



- **3. Vågen- Bryggen- Sandviken:** Representing traditions and cultural heritage sites
- Protection plan for Vågen, the quays and Bryggen
- Project «Bod» / Boathouses and sheds-all the historic buildings in Sandviken were registered( Threat; fires and deterioration)
- Plan for the ruins of Bergen, registration, protection and visualisation through a plan and a new Animationfilm- and important knowledge- and communication tool, launched in 2011, further developed in 2013.



# Instruments and tools

- Plans, standards and regulations
- Communicating strategy
- A specific program, and holistic and engaging process, followed with action plans; what would have to be decided- by whom?
- Need for regulations or new plans etc.
- The Municipality as a regulating authority, as a purchaser and ordering actor, and a organizer and facilitator. Created a market through demand for wooden and low energy projects
- Common arenas for knowledge, information and inspiration- sharing best practice and good examples, challenging each other in finding new solutions.





# Instruments and tools

- Common effort to establish standards and educational programs in the field of energy efficient buildings in wood.
- Competitions and practical cases.
- Partnership and network building– to find allies , bring out the news about the work, and show examples and results.
- Building competence locally
- Contracts and agreements between the municipality and private sector for development areas. This stimulated the interest for common projects and minimized the risks for each actor.



# Instruments and tools

- Investments from the local authorities in the development areas
- Mediation and information for all actors
- Actionbased and experimenting approach- learning by doing, and the experience from doing, created a new attitude to the constructions in wood.
- Building reputation for developers and the municipality.
- Prioritizing of pilot projects in the planning departement
- Claifying the expectations in plans and regulations
- Negotiations



# Built , bouth in wood and other materials

- The Center for Students in Bergen
- The Fire Station
- The Preclinical Institute
- The Hall for Food, The Fishmarket /Bryggen
- The Court Building of the «Gulating»
- Damsgårdsundet: Ny-Krohnborg school, BOB apartments etc, DNB financial centre
- Marineholmen: Office buildings, The School of Economics, the Corner Theatre (restauration), The Centre for Knowledge etc.
- Danmarks plass: Psychiatric clinique for the District
- Krohnstad: The College of Bergen ( Høgskolen)
- Fantoft, Møllendal: Student appartments
- Nesttun: House of Culture, school at Ulsmåg and restauration of old wooden houses and buildings.



# Pilotprojects in «Time for Wood »

## Cities of the Future

- The project "**Time for Wood**", a partial program under the Cities of the Future program with a claim to reduce energy by 50 % of the total emissions of CO<sub>2</sub> from energy use, compared with today's practice. Strong focus on wood as the main construction material.
- **Rådalslien**, homes for special care
- **Søreide**, school-wooden construction and passive building standard
- **Nøstegaten 65A**, rehabilitation / new building construction
- **Fjøsangerveien 213**, office building- rehabilitation
- Håkonsvern- new administration building for the Navy



Thank you!

