

THE PROPERTY SECTOR'S ROADMAP TOWARDS 2050



Norwegian Green Building Council

Our 260 members:

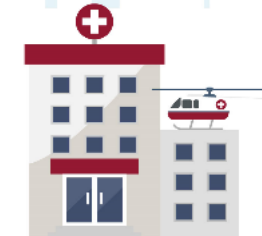
- Real Estate companies – 39%
- Architects/Consultants – 40%
- Contractors – 12%
- Suppliers/Producers – 4%
- Research Institutes and Universities – 2%
- Municipalities – 3%





WORLD GREEN BUILDING COUNCIL

SUSTAINABLE DEVELOPMENT GOALS



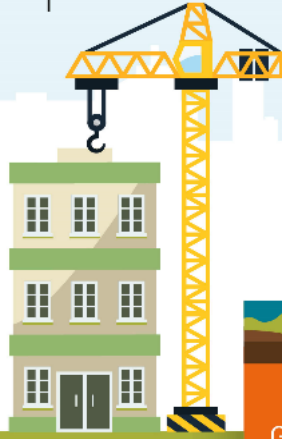
Green buildings can improve people's health & wellbeing

3 GOOD HEALTH AND WELL-BEING



Green buildings can use renewable energy, becoming cheaper to run

7 AFFORDABLE AND CLEAN ENERGY



Building green infrastructure creates jobs & boosts the economy

8 DECENT WORK AND ECONOMIC GROWTH



Green building design can spur innovation & contribute to climate resilient infrastructure

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Green buildings are the fabric of sustainable communities & cities

11 SUSTAINABLE CITIES AND COMMUNITIES



Green buildings use 'circular' principles, where resources aren't wasted

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



Green buildings produce fewer emissions, helping to combat climate change

13 CLIMATE ACTION



Green buildings can improve biodiversity, save water resources & help to protect forests

15 LIFE ON LAND



Through building green we create strong, global partnerships

17 PARTNERSHIPS FOR THE GOALS



VISION

CARBON NEUTRAL IN 2050

40% CARBON REDUCTIONS IN 2030

CLOSED MATERIAL LOOPS IN 2050

ZERO EMISSION OF HAZARDOUS SUBSTANCES IN 2050

10 recommended immediate measures for small and large building owners

1. Certify the organization (ISO 14001 or EMAS)
2. Remove fossil heating
3. Avoid building products with hazardous substances
4. Introduce an environmental management system for the entire portfolio
5. Use the roof surface for green roof, solar energy or recreation
6. Reward innovative solutions
7. Require flexible plans and ask for a plan for disassembly
8. Commission an energy budget for estimated actual energy consumption
9. Request and prioritize building products with low greenhouse gas emissions (documented by EPD)
10. Request fossil fuel free construction sites

38 building owners have so far committed themselves to implement all 10



10 IMMEDIATE MEASURES RECOMMENDED FOR PUBLIC BODIES

INCENTIVES

Green buildings, i.e. buildings that satisfy specific environmental requirements, should be rewarded through incentive schemes such as:

- 1 A dedicated building application case for those who contributes to prioritised and expediently orientated case handling
- 2 Reduced property tax
- 3 Expedient handling of zoning plans

FINANCIAL SUPPORT SCHEMES

- 5 Further develop Enova support for ambitious prototype projects and existing building stock, with requirements regarding goal achievement in actual operation
- 6 Introduce Enova support for energy management in buildings

REGULATIONS

- 7 Introduce regulations on technical requirements for building works for renovation projects with functional requirements adapted to existing buildings
- 8 Establish documentation requirements for existing environmental requirements for materials in the regulations on technical requirements for building works
- 9 Introduce component requirements in accordance with the climate action policy (Klimapolitik)
- 10 Introduce requirements to document greenhouse gas emissions from buildings in the regulations on technical requirements for building works, including emissions from energy consumption and materials

Lower taxes and fast track

Continued support from ENOVA

Stricter regulations

Powerhouse, Trondheim

Office 18 700 m²

Renewable energy production >

Energy consumption from construction incl.
material production operation

High ambitions = green loans



Offices- New construction

✓ Certificate: BREEAM NOR Excellent



Offices – Existing

✓ Certificate: BREEAM In-use Very Good

✓ Energy label: A + B



Dwellings-new construction

✓ Certificate: BREEAM NOR Very Good
The Nordic Swan

✓ Energylabel: A + B



Company level

✓ The Property's Sectors Roadmap
Towards 2050: 10 measures



” Future business champions are those who develop products and services in a way that unites the global social and environmental challenges with their own profitable growth” Idar Kreutzer, CEO Finance Norway