



**BRIGHT
GREEN
ISLAND
BORNHOLM**

**Our vision of
a sustainable,
climate-friendly
island**



INSPIRED BY THE SUSTAINABLE DEVELOPMENT GOALS



WINNI GROSBØLL
MAYOR

We have worked ambitiously to nudge developments towards, and heighten awareness of, a greener way of life.

WELCOME TO BRIGHT GREEN ISLAND

SINCE 2008, WE, THE PEOPLE OF BORNHOLM want to be a sustainable, climate-friendly island community by 2035. We believe that a sustainable future for our island requires us to use and protect our common resources wisely and sustainably. We call this approach the Bright Green Island vision.

In order for our island to have a future for both residents and guests, it is important to find a sustainable and durable way to be an island community – a way that embraces Bornholmers, businesses, infrastructure and our many visitors.

Since 2008 Bornholm have decided to play the long game, which requires us to establish fundamental, eco-friendly changes. We have worked ambitiously to nudge developments towards, and heighten awareness of, a greener way of life. Many examples of the specific initiatives we have launched so far can be found all over the island.

Bornholm's production of electricity and heat is now based on renewable energy sources – harvested through the wind, sun and biomass; some of our municipal car fleet have been replaced by electric vehicles, and our goal is to make incineration of the island's waste a thing of the past and instead recycling everything we discard.

Green Solution House, a sustainable conference hotel, opened in 2015. In recent years, significant segments of the island's business community have embraced the green agenda, and many both private and public companies are working on initiatives aimed at reducing their carbon emissions.

We have made great strides towards realising our common dream, and we are now entering the next phase as we look ahead to 2035. Together many of the island's activists, politicians, commercial enterprises, associations and organisations, have defined eight overarching Bornholm Goals, which are our guiding principles for the next phase of Bright Green Island.

The 17 UN Sustainable Development Goals have helped inspire the eight Bornholm Goals, which are the backbone of our Bright Green Island vision.

This publication describes how we, the people of Bornholm, continue to dream of creating a sustainable, climate-friendly community and the paths we are pursuing to achieve our common goals over many years to come.



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WHY BORNHOLM WANTS TO BE A BRIGHT GREEN ISLAND

BORNHOLM IS A UNIQUE ISLAND. We are surrounded by some of the most spectacular scenery in Denmark. Bornholm is a complete, interconnected mini-community. We are close to one another, to nature and to the sea. This infuses our daily lives with clarity, intimacy and great potential for building strong social relationships. It allows for tranquillity, reflection, dynamism, inspiration, innovation, community, cooperation and flexibility.

We are facing significant challenges, however. We must secure the green transformation of our entire community. And we need to ensure that the island's population increases. This is the only way we can uphold a thriving, robust community – and hand down a sustainable island to future generations.

The Bright Green Island vision tells us what we can do to make Bornholm an attractive, sustainable, vigorous and self-sufficient community. The eight Bornholm Goals set an overall course for the Bornholm community. This vision is pivotal for attracting new knowledge, partnerships, enterprises and newcomers to the island, and creating new jobs in the process.

The eight Bornholm Goals are intertwined with the 17 UN Sustainable Development Goals, thereby helping to balance the Earth's environment.

The more people who engage in the Bright Green Island vision and actively embrace the Bornholm Goals, the tighter our societal cohesion, the greater our dynamism and the clearer our identity will be.

- The Bright Green Island vision develops Bornholm in a sustainable directi-

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to tackle the
global climate
crisis head on.*

on by attracting new enterprises and economically active newcomers to the island.

- We must become even better at making sustainability good business. We must exploit the fact that Bornholm is virtually tailor-made to serve as a test island. Bornholm is in a position of strength which can be used to develop local and regional solutions to global challenges in many contexts.

- The Bright Green Island vision will make the throw-away society a thing of the past. We need to develop a model, procedures and systems to ensure that we continue to have access to valuable resources going forward. Recycling and reutilisation will be our keywords. Products and the ingredients must repeatedly be included in continuous cycles – in order to preserve their value.

- By striving for the Bright Green Island vision, Bornholm is doing its share to tackle the global climate crisis head on. We take responsibility locally and think globally.

OUR VISION

Bornholm is a sustainable, climate-friendly island community by 2035. We believe that a sustainable future for our island requires us to use and protect our common resources wisely and sustainably. We call this approach Bright Green Island and we are jointly working to achieve 8 Bornholm Goals.

BORNHOLM GOAL NO.

1



XXXXX

BUSINESS: To make sustainability a good business

We will make green solutions a distinctive feature of Bornholm. We will generate development and revenue by exploiting the island's sustainable growth potential to attract new knowledge, new partnerships, new enterprises, new capital and newcomers to the island.

OBJECTIVE

Even more national and international companies must use Bornholm to test and commercialise sustainable projects, knowledge and local production. Bornholm is a frontrunner – and through partnerships, networks and communities we achieve Danish and global sustainability development goals. Bornholm exploits its positions of strength to develop the circular economy, which is one of several tools in the green transformation process. We will ensure that Bornholm leads the way in converting knowledge and sustainability into commercial success – locally and globally. We will exploit and market the fact that many companies with distinct sustainability development goals reside on our island.

GOAL 1 IS LINKED TO
THESE UN SUSTAINABLE
DEVELOPMENT GOALS



BORNHOLM GOAL NO.

2



XXXXX

GOAL 2 IS LINKED TO
THESE UN SUSTAINABLE
DEVELOPMENT GOALS



FACT-BASED SUSTAINABILITY: To document and keep track of our green transition

We will develop models that clearly depict how far we have come with our green transformation process. This will make future political prioritisations more effective. By keeping accounts of our green transformation, we can generate local involvement, secure crucial knowledge for Bornholm's business community – and invigorate Bornholm's branding at the same time.

OBJECTIVE

Every year, Bornholm presents green accounts to document the island's sustainable development within the local public and private sector and by households. We want as many Bornholm enterprises as possible to get involved in the environmental certification process and/or qualify for Bright Green Island certification.

BORNHOLM
GOAL NO.

3



The windmills xxxxxx

CARBON NEUTRALITY

To be a model, climate-friendly community at all times

Much of the energy we use currently comes from sustainable, carbon-neutral sources, and Bornholm is currently a good example of how a community can address the global climate crisis. We must retain and develop this position so that, ultimately, we go so far as to capture more carbon than we emit.

OBJECTIVE

By 2025, Bornholms has a 100% carbon neutral energy production. Bornholm has sharply reduced its carbon emissions in various sectors of society.

By 2032, Bornholm will no longer generate waste: everything we discard becomes a recyclable resource to benefit society as a whole.

As we approach 2035, we work to become a zero-emission society where we continue to reduce our carbon emissions.

GOAL 3 IS LINKED TO THESE UN SUSTAINABLE DEVELOPMENT GOALS

7 BÆREDYGTIG
ENERGI



9 INDUSTRI, INNOVATION
OG INFRASTRUKTUR



BORNHOLM
GOAL NO.

4



The community of Bornholm is using electric vehicles

MOBILITY

To make all land-based transportation green

Cars, buses, tractors, lorries and motorcycles are responsible for the vast majority of our carbon emissions. One solution involves replacing fossil fuels by sustainable fuels, such as biofuels and increasing the number of electric vehicles on Bornholm's roads. At the same time, there is vast potential in maturing the technology currently available for intelligent ride sharing, such as via cooperation between private-sector and public-sector transportation systems.

OBJECTIVE

Green transportation must be the most convenient option in everyday routines – at home, on the job and in public spaces.

We will make ride-sharing and car-sharing beneficial for private individuals and the business community.

We will integrate public and private transportation wherever possible.

We want to lead the way in ensuring that public transport systems are powered by fossil-free energy.

GOAL 4 IS LINKED TO THESE UN SUSTAINABLE DEVELOPMENT GOALS

9 INDUSTRI, INNOVATION
OG INFRASTRUKTUR



BORNHOLM
GOAL NO.

5



Houses in the town of Rønne?

HOUSING

To make sustainable housing part of our cultural identity

We want to integrate energy efficiency into the island's beautiful, unique old houses and buildings, while maintaining their identity and Bornholm's unique urban environments in its coastal towns and inland villages. There must also be room to develop new types of housing and residential communities for the benefit of current residents and newcomers alike.

OBJECTIVE

We want to offer attractive, sustainable housing that matches the needs of the island's current residents and newcomers.

We want to build on a cultural identity and the distinguishing features of our physical environment that reflect a distinctively Bornholm quality.

We will define sustainable construction methods unique to Bornholm in a manifesto for use in private-sector and public-sector construction and refurbishment projects.

We will sustainably refurbish dwellings by using materials that are either sustainably produced or recycled.

BORNHOLM
GOAL NO.

6



World famous food of Michelin restaurant Kadeau

GOAL 6 IS LINKED TO
THESE UN SUSTAINABLE
DEVELOPMENT GOALS



FOOD PRODUCTS

To be a pioneer within sustainable Danish food products

We will uphold and develop Bornholm's long-standing tradition of producing high-quality foods. This will create new jobs, spur economic growth and encourage green innovation. Our produce is the cornerstone of our green transformation and, at the same time, is an essential element of Denmark's breadbasket. Bornholm's food sector is booming and is attracting widespread and ever-growing attention from foreign markets.

OBJECTIVE

We will support the development of profitable, green, sustainable forms of production in the food sector.

We will assist in developing the circular economy from farm to fork to farm.

We will define what constitutes a sustainable Bornholm meal.

We will increase the amount of organically certified farmland to 20% by 2025.

We will safeguard our future through diversity and multiplicity of cultivation sites and products.

GOAL 5 IS LINKED TO
THESE UN SUSTAINABLE
DEVELOPMENT GOALS



BORNHOLM GOAL NO.

7



Mountainbikers in the woods of Bornholm

NATURE

To make the protection of our natural resources vital to everyone's bottom line

We will preserve and develop the unique Bornholm landscape. Nature is the backbone of our self-image and makes Bornholm attractive to tourists and newcomers. At the same time, nature plays a crucial role in our green transformation. Greater natural diversity can help increase the capture of carbon and atmospheric nitrogen and reduce carbon emissions.

OBJECTIVE

We will work to enhance our natural amenities and biodiversity.

We will increase the number of contiguous nature areas.

We will render nature areas more accessible without impacting natural habitats or wildlife.

We will cooperate on meeting the needs of different users.

We will work to reduce our pollution of the Baltic Sea.

We will strengthen nature's role in relation to well-being, tourism and settlement.

GOAL 7 IS LINKED TO THESE UN SUSTAINABLE DEVELOPMENT GOALS

13 KLIMA-INDSATS



14 LIVET I HAVET



BORNHOLM GOAL NO.

8



Fun and bathing at Hasle Havnebad

GOAL 8 IS LINKED TO THESE UN SUSTAINABLE DEVELOPMENT GOALS

13 KLIMA-INDSATS



17 PARTNERSKABER FOR HANDLING



INCLUSION

To ensure that everyone on Bornholm is part of Bright Green Island

Bornholm's green transformation requires the involvement, dedication and gritty determination of both the residents, the business community and the public sector of the Island. Everyone who has a relationship with Bornholm – residents, tourists, partners – must be invited to participate in and develop the project and to serve as ambassadors for this smart green island in the Baltic Sea.

OBJECTIVE

We will work together to ensure that the vision of a green island is accessible and makes sense to everyone residing on Bornholm.

We will make children and young people keenly aware of and knowledgeable about sustainability and Bornholm's key resources.

We will make the Bright Green Island vision visible to everyone on Bornholm.

BORNHOLM: AN IDEAL TEST ISLAND

ONE OF THE BIGGEST GLOBAL CHALLENGES in the green transformation process is how to manage the vast quantities of solar and wind power in the island's energy systems, while ensuring reliable supplies of energy and reasonable prices at the same time.

Our high production and use of solar, wind and biomass power makes Bornholm an ideal test island.

All of the power generated on Bornholm comes from solar, wind and biomass sources, and more than 80% of the island is heated by solar, wind and biomass power.

More than 50% of all households on Bornholm are connected to the island's district heating grid, which supplies heat generated by solar, wind and biomass sources.

One thousand Bornholm residents are participating in the EcoGrid Project, testing an electricity system of the future in cooperation with the Technical University of Denmark, the Danish Energy Association, IBM and Copenhagen Business School.

Another position of strength is that Bornholm is connected to the mainland (Sweden) by only one power cable. This makes it possible to precisely measure all the fluctuations in the production and consumption of electricity.

Bornholm comprises roughly 1% of Denmark and 0.2‰ of Europe, which facilitates data comparisons.

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Bornholm is a complete mini-community ... which makes conducting full-scale experiments on the island an attractive option.

Bornholm is a complete mini-community with a hospital, schools, houses, jobs, families, etc., which makes conducting full-scale experiments on the island an attractive option.

This is one reason why Bornholm is hosting a series of small development projects covering electric vehicles, photovoltaic cells, heating pumps and district heating.

Intense efforts are being made to transform Bornholm into a national testing zone for smart energy.

Both the Bright Green Island vision and the testing activities mean that we have a broad interface and receive many visitors from all over the world – from study programmes, universities, government ministries and projects – all of whom are involved in their own green transformation processes.



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BORNHOLMS
REGIONSKOMMUNE