

State of Green Tours Visit programme

In collaboration with Bundesverband Smart City e.V. / German Smart City Association, State of Green offers you the opportunity to experience and learn from Danish smart city solutions.

Bundesverband Smart City e.V. / German Smart City Association invites German city representatives on a 2-day educational trip to Copenhagen. Here you can experience the development of the Smart City Copenhagen up close and exchange experiences with the actors. The tour offers you a chance to take advantage of the lessons learned by Danish companies and institutions, enabling you to find solutions to the challenges of your city and society.

You will get to know revolutionary redesigned urban spaces "at eye level" and learn directly from the project participants, how the transformation from inner-city streets to shared spaces has succeeded. You will discuss with Danish Smart City managers how civil society can participate in the development and what mistakes they have learned from. You will visit BLOXHUB; Energy Lab Nordhavn; the world's largest Smart City Technology Park, DOLL (Danish Outdoor Living Lab); and learn how the Internet of Things contributes to the Smart City of Copenhagen.

In your delegation, you will discuss with your German colleagues which experiences, use-cases, and technologies can be applied to German cities, share your own experiences, and learn from and with each other.

Welcome to the Smart City of Copenhagen!



Day 1

08:30-9:30

Visit to State of Green: Welcome and introduction to smart city in Denmark

State of Green is a public-private partnership operating the official green brand for Denmark. We work to give an easy gateway for the world to learn about the solutions and competences of Danish business, cities and institutions within energy, climate adaptation and environment.

House of Green is an interactive showroom in the heart of Copenhagen. Guided storytelling and self-exploration are used to showcase Danish integrated solutions and scenarios across the sectors of energy, water, climate, resources, and the environment. Here you will receive an introduction into the Danish green transition and smart city solutions in Denmark.

Location: House of Green, Vesterbrogade 1E, 1620 Copenhagen

Contact: Maja Østergaard, moe@stateofgreen.com

Phone: +45 22 49 65 15



<https://stateofgreen.com/en/en/about-state-of-green/>

09:30-10:00

Walk to BLOXHUB

10:00-11:30

Visit to BLOXHUB and DAC, with presentation from Gehl

BLOXHUB is the Nordic hub for sustainable urbanisation. Founded on the belief, that the challenges of global urbanisation and climate change require new ways of collaboration. Between architecture, engineering, design thinking, construction & tech. Between research and practice. Between start-ups and corporates.

BLOXHUB was founded on June 3, 2016, by Realdania, the City of Copenhagen and the Ministry of Industry, Business and Financial Affairs. It is a nonprofit member association for companies, research institutions, organisations, and municipalities.

The Bundesverband Smart City is a partner of BLOXHUB.

Danish Architecture Center (DAC) is an international cultural attraction for everyone who wants to experience and understand how architecture and design create the framework for our lives.

The exhibitions at DAC both showcase the latest international trends in architecture with exhibitions about masters of architecture like Frank Gehry and SANAA - and the most interesting Danish studios right now like BIG and 3XN, who have produced innovative architecture such as the VM Houses in Ørestad and the UN city at Copenhagen harbour. In addition, DAC hosts permanent exhibitions about Danish architecture and design history.



<https://bloxhub.org/about/>



Gehl is a global urban research and design consultancy. They address urban planning with a people-focused approach, and their services include Public Space Public Life Strategies, Public Space and Street Design and Masterplanning Frameworks.

<https://stateofgreen.com/en/partners/danish-architecture-centre/>

They apply strategic planning and human-centred design to empower citizens, decision makers, company leaders, and organisations through Process Facilitation, Pilot Projects, and Integrated Mobility Strategies.

Gehl

<https://gehlpeople.com/approach/>

Programme

- 10:00 Introduction to BLOXHUB and BLOXHUB-tour
- 10:45 The Nordic way of collaboration – co-creating across borders
- 11:00 Innovating together – how we create the future

Location: Bryghuspladsen 8, Entrance C, 3rd floor, 1473 Copenhagen

Contact: Martine Kildeby, mki@bloxhub.org

Phone: +45 22 68 46 48

11:30-12:30

Lunch (food can be purchased at the BLOXHUB canteen)

12:30-13:30

Bicycle ride from BLOXHUB to Nordhavn including smart city points of interests

In Denmark, we hold a strong tradition for people from all layers of society to bike and it has become an integral part of the Danish story. In fact, more than 50 per cent of the people who live and work in Copenhagen commute by bike every day.



We invite you to join the Danes on bikes, for a ride from BLOXHUB to Nordhavn, learning more about the Copenhagen Street Lab Project and the benefits of public open data on the way.

Programme

- 12:30 Start from BLOXHUB
- 12:40 Rådhuspladsen and Vester Voldgade: Copenhagen Street Lab Project 2016-2018
- 13:00 Sankt Annæ Plads: How public open data fosters climate adaptation projects.
- 13:25 Arrival at Nordhavn

Approximate Cycling Distance: 9 km.

Accessibility: The bike programme is organised to accommodate people with disabilities.

Location: Bryghuspladsen 8, Entrance C, 1473 Copenhagen

Contact: TBD

Phone: TBD

Buffer

14:00-16:00

Visiting Nordhavn – with focus on retrofit/reintegration of areas/conversion areas (*possible speakers: COBE, Ramboll*)

From 2015-2019 the project Energy Lab Nordhavn – New Urban Energy Infrastructures will develop and demonstrate future energy solutions. The project utilises Copenhagen's Nordhavn as a full-scale smart city energy lab and demonstrates how electricity and heating, energy-efficient buildings and electric transport can be integrated into an intelligent, flexible, and optimised energy system.

The project integrates research, development and demonstration and is a large-scale project that contributes to the grand challenge of transforming the energy system to efficiently integrate a large share of renewable energy, a means to support international and national climate goals.

COBE is a progressive and contemporary community of architects that focuses on architecture and design – from buildings and public space to large scale urban planning. Their approach to architecture is inclusive; with social, practical, economical, and environmental issues integrated within the process. They consider architecture to be a process of dialogue and involve selected experts and consultants, across countries and professional fields, in every stage of the design process.

Ramboll is a leading engineering, design and consultancy company founded in Denmark in 1945. Ramboll works across the markets: Buildings, Transport, Planning & Urban Design, Water, Environment & Health, Energy, Oil & Gas and Management Consulting.

Host: TBD

Location: Nordhavn

Contact: TBD

Phone: TBD



<https://stateofgreen.com/en/partners/energylab-nordhavn/>



<https://stateofgreen.com/en/partners/cobe/>



<https://www.stateofgreen.com/en/partners/ramboll/>

Day 2

09:30-11:30

Visit to DOLL Living Lab – designing the good use case

In DOLL Living Lab, manufacturers and suppliers present and test intelligent outdoor lighting and Smart City solutions on a 1:1 scale on 12 kilometres of road and pathways in Hersted Industrial Park in

the city of Albertslund. The light and the Smart City solutions are controlled from a centrally placed Visitor and Control Centre.

DOLL Living Lab applies to companies that work with lighting, intelligent controlling, and Smart City Services. As a result, municipalities, and regions from Denmark and around the world get the opportunity to experience different solutions in a real urban environment. This gives decision-makers a better foundation for choosing and buying the right fixtures, intelligent lighting, and Smart City solutions.



<https://www.stateofgreen.com/en/partners/gate-21/solutions/doll-a-photonics-green-lab/>

Programme

- 09:30 Welcome and introduction to DOLL Living Lab
- 09:45 Smart City development and use-cases
- 10:45 DOLL Tour in the living lab

Location: Naverland 2, 6th floor, 2600 Glostrup

Contact: visitor@doll-livinglab.com

Phone: Trine Kromann, +45 31 47 77 69



<https://www.doll-livinglab.com/>

11:30-12:30 Lunch

12:30-13:30 Lessons Learned

Bundesverband Smart City e.V. / German Smart City Association organises a reflection session to exchange thoughts on the experiences, knowledge, and insights that were gained during the visit.

Location: Naverland 2, 6th floor, 2600 Glostrup

Contact: Mirko de Paoli,

mdp@bundesverband-smart-city.org



<https://bundesverband-smart-city.org/>

Follow up

Date: TBD **BLOXHUB Match-workshop (Programme details to be announced)**

Duration: 2 hours
The workshop will tackle your specific challenge with 360 Degree Feedback from the BLOXHUB community, the Nordic Hub for sustainable urbanisation.

Location: Virtual

Contact: Martine Kildeby, mki@bloxhub.org

Phone: +45 22 68 46 48



<https://bloxhub.org/about/>

ATT: LIABILITY/PARTICIPATION AT OWN RISK. By participating in the State of Green Tour, you declare that you have the necessary level of physical fitness for the visit as well as the knowledge and abilities required to successfully take part. Furthermore, you declare for the benefit of State of Green and other organisations connected with the execution of the tour that you are taking part in the tour at your own risk and that you bear the sole responsibility under civil and criminal law for all damage to persons, property and/or assets culpably caused by yourself. Before leaving your country for the tour and visit, make

sure that you have all necessary insurance coverage.

More information on Denmark can be found at <http://stateofgreen.com/en/pages/facts-about-denmark>

Facts about Denmark

Government

- Head of State: Queen Margrethe II (since 1972)
- Head of Government: Mette Frederiksen (the Social Democratic Party)
- Member of: UN, OECD, EU, NATO, Schengen, OSCE, IMF, WTO and others

Denmark has reduced air pollution to less than one fifth of the levels during the late 1970s



Demography

- Population: 5.8 million (2019)
- Population density: 135 per sq. kilometre (2018)
- Life expectancy: Women 82.9 years, men 79 (2018)
- Language: Danish

35 times around the globe - that is how much people cycle everyday in Copenhagen



Copenhagen aims to be the world's first carbon neutral capital by 2025



Geography

- Denmark is 43,000 sq. kilometres
- Denmark's highest natural point (Ejer Baunehøj) is 170.89 metres above sea level
- No place in Denmark is more than 50 kilometres from the sea

Danes are the proud owners of more than 4.6 million bicycles. That is almost two bicycles for every privately owned car

4.6 million



2.5 million



Green export

- Danish export of energy technology: 11.1% of total Danish export / EUR 11.4 bn. - half of which is green (2017)
- Total green Danish exports: EUR 30.5 bn. (2017)