

# INVITATION



CONFERENCE

## EnergyLab Nordhavn's recommendations for future sustainable energy systems

Since 2015, the EnergyLab Nordhavn project has developed and demonstrated new solutions for the Danish energy system by using Copenhagen's Nordhavn as a full-scale living lab. Based on our demonstrations, we are now ready to present the results and hand over our recommendations for a more intelligent, flexible and sustainable energy system.

For two days, we will discuss tendencies in the energy sector, the possibilities for sector-coupling and multi-energy solutions, and export of energy technologies based on Danish positions of strength in the field. We will also facilitate a debate on what are keeping us from reaching further and entering into the next step of the green transition, when science and experience already has shown us most of the way to go?

We welcome key energy stakeholders from both Denmark and abroad, to listen to our experiences, share knowledge, and discuss how we will reach our climate goals before 2050.

We hope to see you there!

### DATE

October 8–9 2019

### LOCATION

EnergyLab Nordhavn  
Showroom  
Sundkaj 125, 2.tv.  
2150 Nordhavn

### MODERATOR



Lykke Friis

Register here:

[bit.ly/2jRIP7K](https://bit.ly/2jRIP7K)



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ABB



GlenDimplex



# PROGRAM

## DAY 1

### 09.00 WELCOME

#### Lykke Friis

Moderator, former Minister of Climate and Energy and former prorektor at University of Copenhagen

#### Anders Bjarklev

President, Technical University of Denmark

*Partnerships will support the green transformation*

Representative from the Copenhagen City Council – TBC  
*Copenhagen as a green front runner*

### 09.50 SECTOR COUPLING AND SMART ENERGY SYSTEMS – RESULTS AND POSSIBILITIES

#### Christoffer Greisen

Project manager, EnergyLab Nordhavn

*Introducing EnergyLab Nordhavn*

#### Three partner presentations

- Integration of energy infrastructure, HOFOR and Radius
- The future homes are automated, ABB and DTU Civil Engineering
- Field experience with the Heat Booster Substation in Havnehuset, Danfoss and DTU Mechanical Engineering

### 12.00 LUNCH

### 12.45 IT IS ALL ABOUT PARTNERSHIPS

Interview with selected project partners on experiences and learnings working cross-sector during 4½ years.

### 13.30 PANEL DISCUSSION

Digitalization, Sector coupling and new markets – what is holding us back?

### 14.40 WHAT WILL TAKE US TO THE NEXT STEP?

#### Jacob Østergaard

Professor and head of Center for Electric Power and Energy, DTU Elektro

*The future digital reality*

Key representative from the industry association – TBC

### 15.30 RECOMMENDATIONS

Official handover of recommendations to representative from government – TBC

### 16.00 RECEPTION AND NETWORKING

# EnergyLab Nordhavn's recommendations for future sustainable energy systems



## DAY 2

### 09.00 WELCOME

### 09.30 OPENING SESSION

Key note by Professor Jacob Østergaard, Center for Electric Power and Energy, DTU

### 09.45 OVERVIEW OF RESEARCH

Overview of research in EnergyLab Nordhavn by Project leader Christoffer Greisen

### 09.55 ENERGY IN BUILDINGS

### 10.35 COFFEE BREAK

### 10.50 DISTRICT HEATING INFRASTRUCTURE

### 11.30 INTERACTIVE KNOWLEDGE SHARING

### 12.10 LUNCH

### 12.50 SMART NETWORK SERVICES

### 13.30 NETWORKING SESSION

### 14.00 OPEN INVITATION FOR A GUIDED TOUR OF NORDHAVN



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