



# Charging forwards

**The BKK Group**  
Henrik Bernt Håkonsen

Matre - Osterøy Power Line, Photo: BKK

Hydropower plants

28

6.8 TWh

Employees

1,100

Grid customers

200,000

9.0 TWh

District heating buildings

967

Superchargers

115

**BKK**

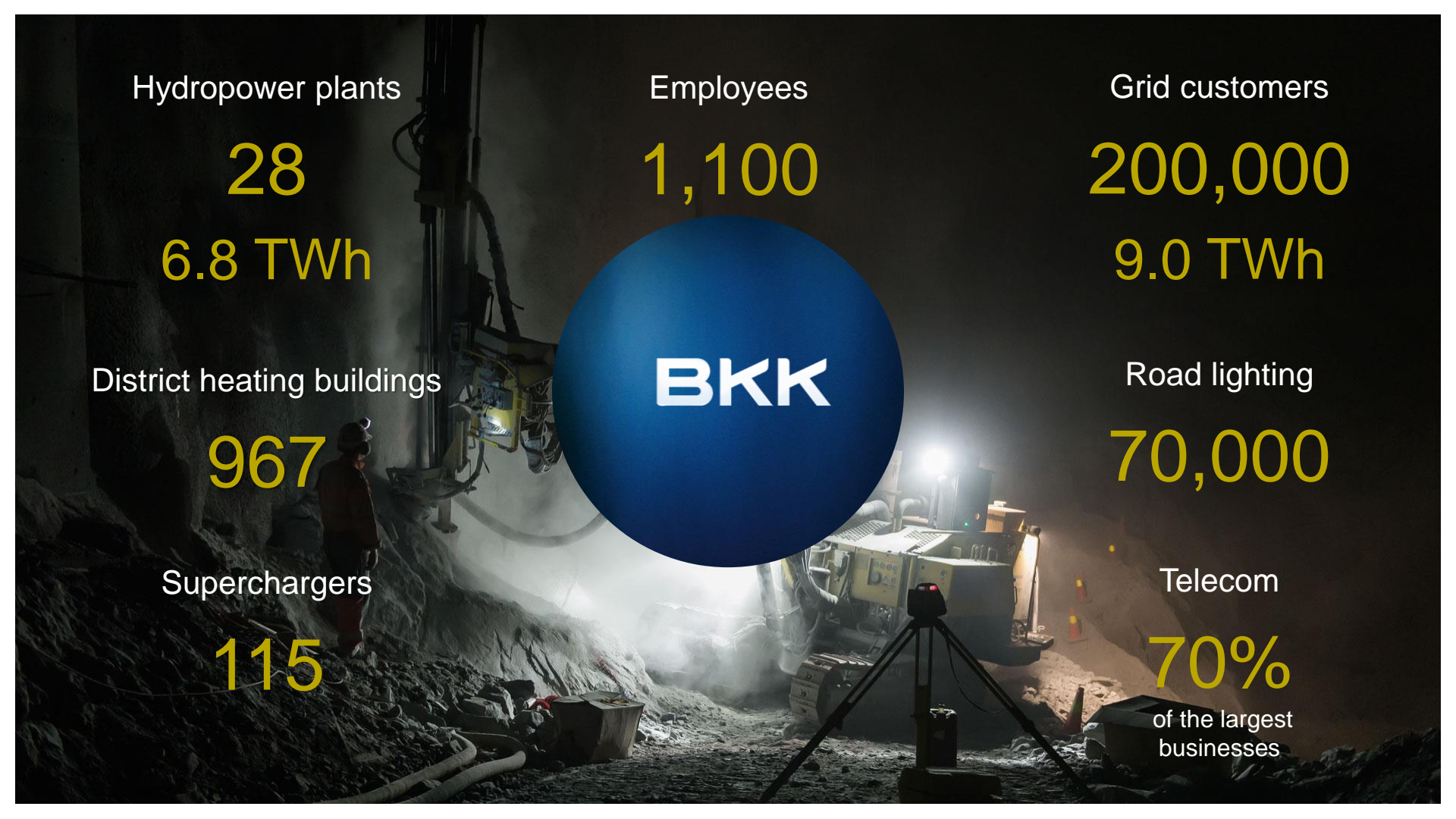
Road lighting

70,000

Telecom

70%

of the largest  
businesses



# Bergen





**This is not acceptable**

Bergen, Photo: BT

# BKKs goal for fossil-free transportation

- BKK will transition to fossil-free transportation
  - All new passenger cars must be electric
  - Vans will follow
- Our company-internal goal is 100 % fossil-free transportation by 2030



# Transformation towards electricity



## Abundant Power

14,5 TWh surplus in  
Norway in 2017

A map showing a complex network of red lines representing a power grid, overlaid on a blue background representing water bodies. The grid is dense in the central and left portions of the image, with many small red circles indicating customer locations. The right side of the image shows a more sparse grid extending towards the right edge. The overall layout is a network of interconnected lines with numerous nodes.

**Reliable Power**  
99,99% availability





**Renewable Power**  
98 % Hydro and Wind

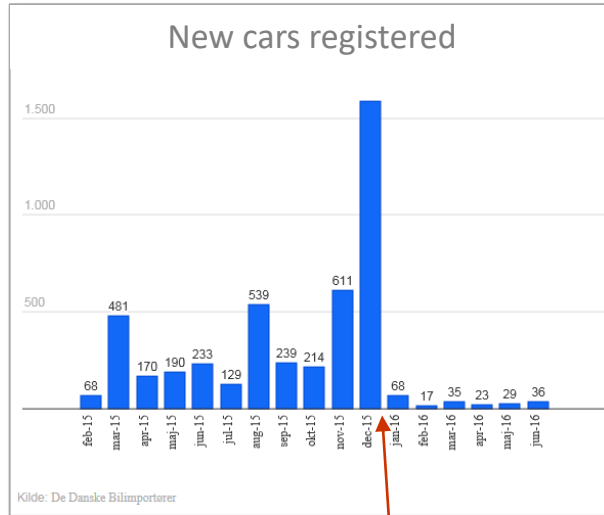
Hamlagrøvatnet Reservoir,

Photo: André Marton

# Electric vehicles



# Denmark



**SAMFUND**  
**Salg af nye elbiler er styrtdykket:  
Afgifter skræmmer folk væk**

07. juli 2016, 06:34

For første gang falder antallet af elbiler i Danmark. Det viser nye tal fra De Danske Bilimportører og Dansk Elbil Alliance. Mens der pr. 1. januar 2017 var registreret 8.932 elbiler, var tallet pr. 6. februar faldet til 8.842.

Forklaringen er dels, at de nye afgifter på elbiler stort set har sat salget i stå, dels at der tages elbiler ud af markedet, fordi bilerne sælges til udlandet, forklarer Lærke Flader, branchefører for Dansk Elbil Alliance, som er en del af elseskabernes interesseorganisation, Dansk Energi.

The Danes changed the incentive structure related to EVs

**A business opportunity**



**BKK**



# Electric ships

# Zero-emission coastal route

## Is it possible?

No. Not with current technology, risks and port-infrastructure

Yes, but get it started and give it time

Port of Bergen

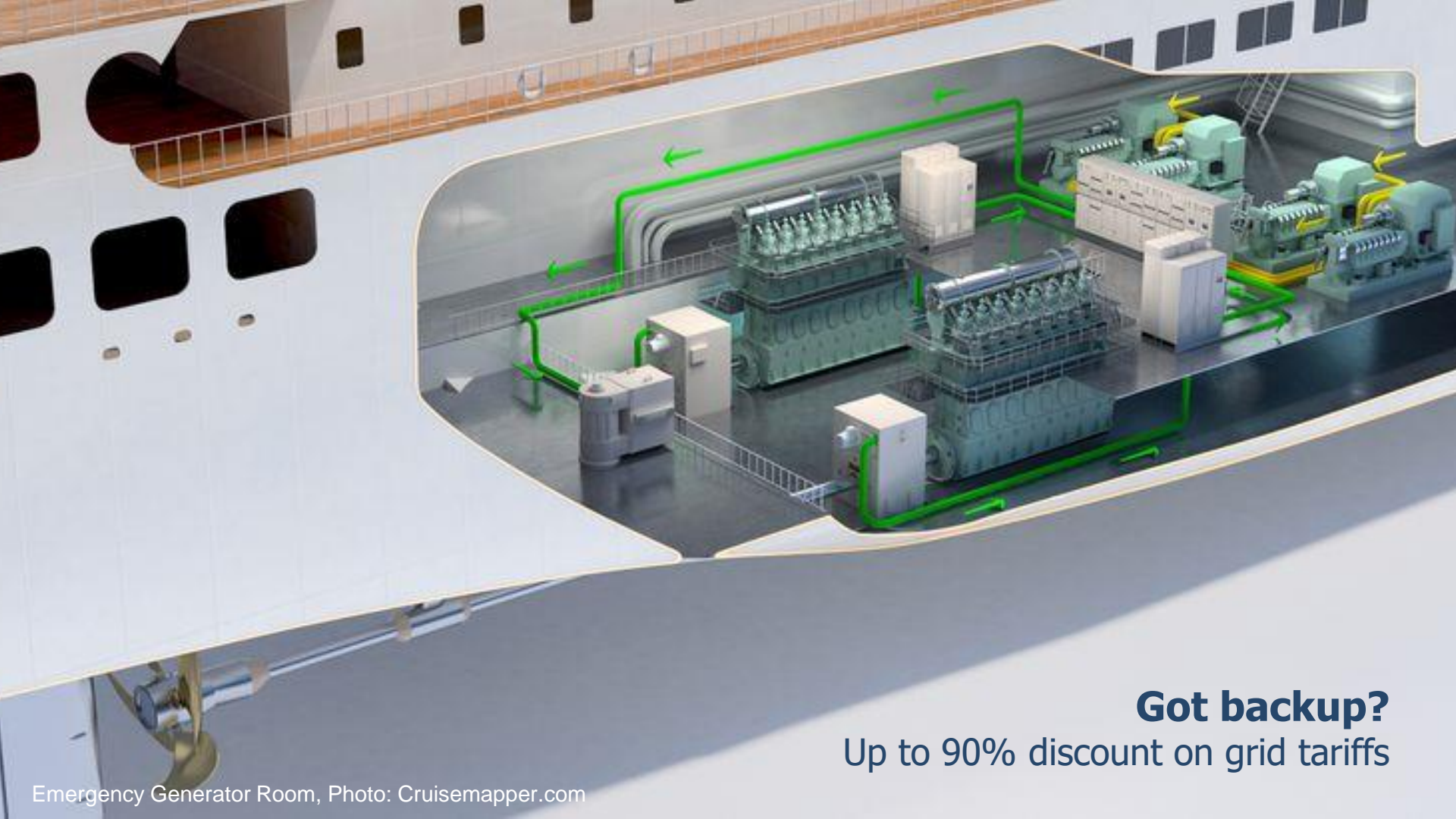


Electric ships



Electric ferries





**Got backup?**

Up to 90% discount on grid tariffs



# Electric planes



**Worlds first mass-market electric aircraft**  
Can electric aircrafts replace today's air-traffic?

Thank you for your attention!