

# Kalundborg Symbiosis

Surplus from circular production



Kalundborg  
**SYMBIOSIS**

# The secret behind a resilient partnership

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Ultimate conference, March 23rd 2022



Kalundborg  
**SYMBIOSIS**

# Agenda

- The history
- The ecosystem
- Four drivers for the resilient partnership



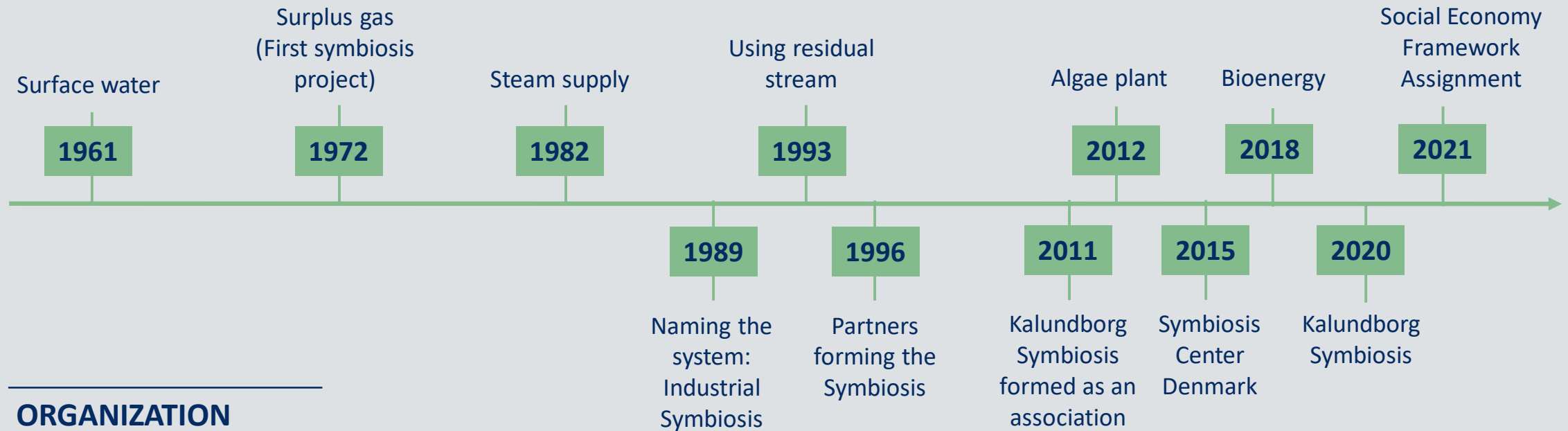




# More than 50 years of cooperation

## PROJECTS

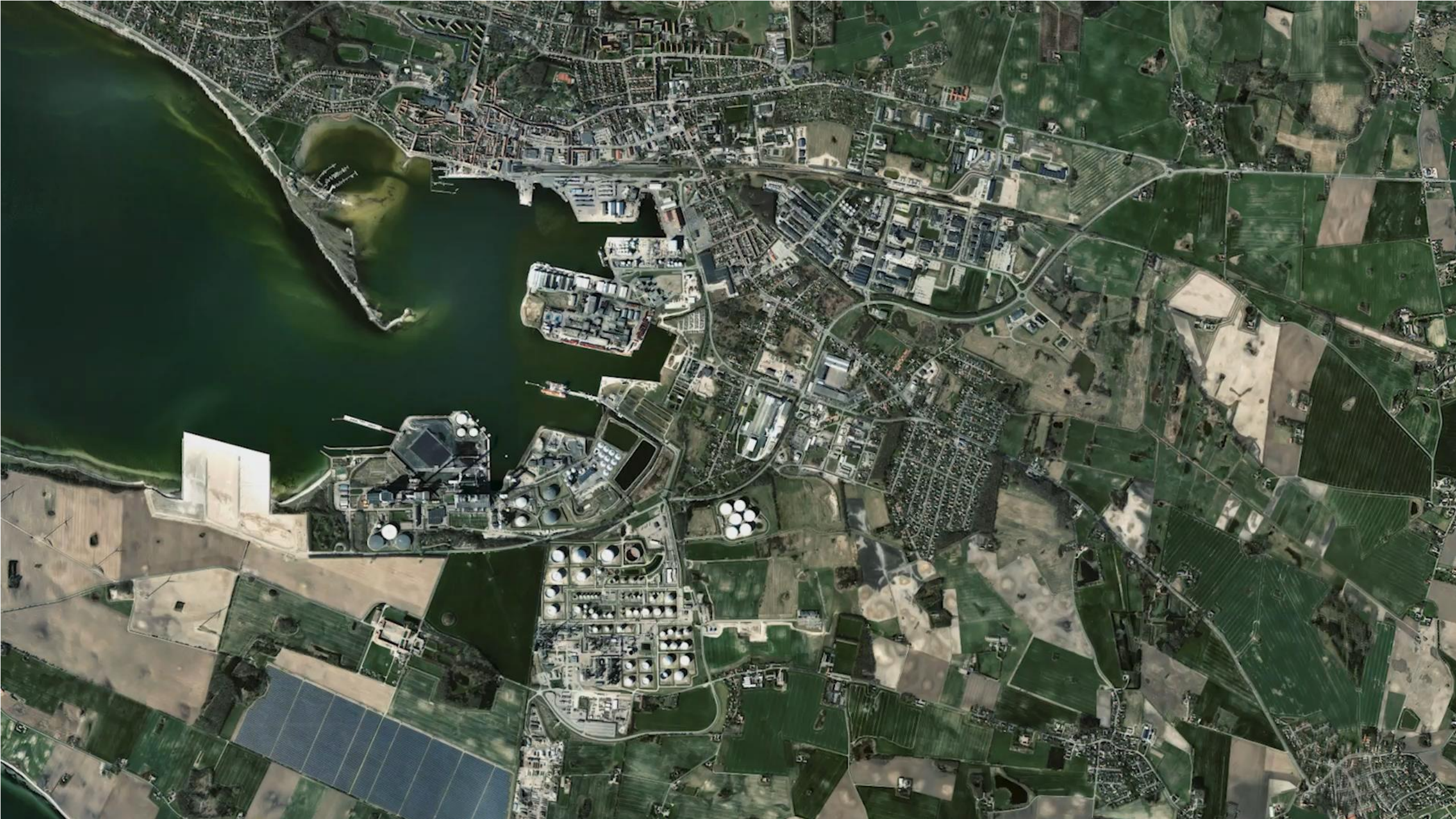
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## ORGANIZATION



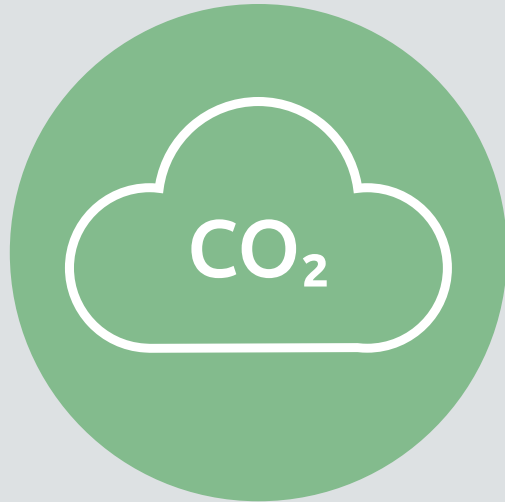








## Annual savings (by LCA)



**586t. tons CO<sub>2</sub>**  
The local energy  
production has reached  
NET-ZERO



**4 million m<sup>3</sup>**  
of groundwater



**62,000 tons**  
of residual materials  
recycled



# Case 1: water as a mutual challenge

Surface water





## Case 2: changing times – changing business models

Energy





## Case 3: Innovation

Production in full scale





## Case 4: Social Economy

The triple bottom-line



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