COWI Company Presentation BTM: Bridge – Tunnel – Marine

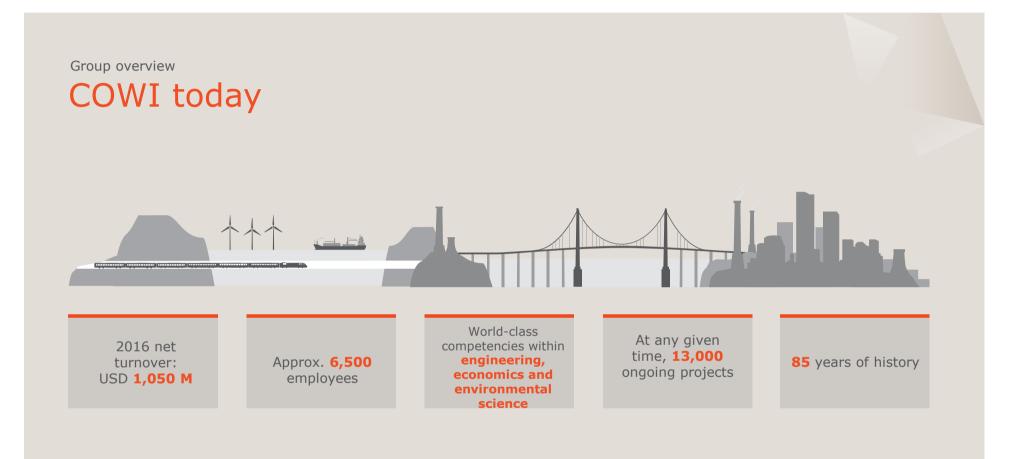
Kent Fuglsang Project Director, Major Bridges International

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Bridges in COWI



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Design Philosophy – Improve the Quality of the Built Environment

- > Efficiency of design Functionality, impact, structural efficiency, construction, life cycle
- > Aesthetics as an integrated part of the design
- > Constructability COWI's designs get built
- > Durability
- > Operation & Maintenance
- > Life cycle cost
- Structural Health Monitoring protect the investment
- > The quality is built into the structure right from the design process and through construction!

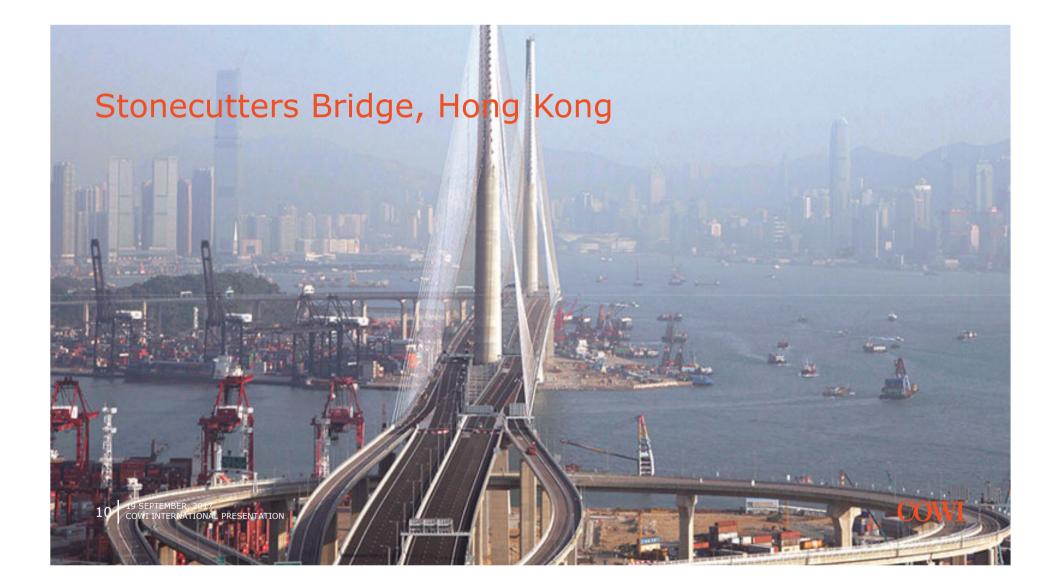
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1915 Çanakkale Bridge World record main span = 2023 m







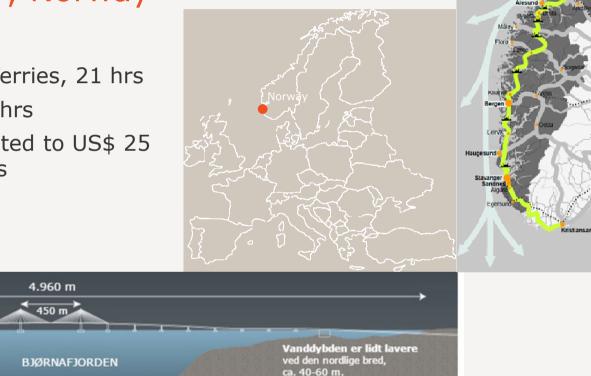




Ferry Free E39, Norway

- > 2016: 1100 km, 8 ferries, 21 hrs
- > 2040: 0 ferries, 13 hrs
- > Total budget estimated to US\$ 25 billion over 20 years

550 m



Grundfjeld

E39

NORD

Bjørnafjorden, Norway

3 different concepts are being considered for the crossing

- > Floating bridge with cable stayed main bridge
- > 3-span suspension bridge with central TLP's
- > Tubular Bridge (submerged tunnel)





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The Americas

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