Learnings from large scale projects

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Cement represents 6 – 8% of total CO₂ emissions; 2/3 from the production process.

1) In addition: kiln efficiency, green hydrogen fuel, electrification of kilns.

Other elements exist, e.g., carbonation hardening of concrete products.
CO₂ capture Brevik

Demonstration plant:

- 400,000 tons per year
- 55 tons CO₂ per hour
- 50% capture rate

Simultaneously building a new factory whilst maintaining full operational capacity in the current plant
We have started the journey towards 2024

Demolision phase | Building phase | Testing phase

2021

Current status

2024

Estimated view July 2024
We have learned a lot …

Organisation
• The project is much bigger than we had thought
• Long lasting project. Continuity re. critical personell
• Importance of Interface meetings
• Start Commissioning as early as possible
• Requirements re. CO2 quality

Challenges / Risk
• Public procurement an «unknown» area
• Ground works more challenging than assumed
• Covid-19 and War in Ukraine
• Price/cost development
• Area requirements and cost of changes
• Culture differences

Cost control
• Our responsibility: «Norwegian tax payer’s money»
• Lump sum and Variation orders
• «We are in the middle»
If you want to change the future, you must start today!

Questions?