

ABOUT US

- Provider of world leading technologies to eliminate pollution, enhance circular economy and mitigate climate change
- Offering patented unique solutions that turn waste and biomass into CO2 neutral energy, decarbonised energy, low-carbon fuels and biocarbon
- Proven ability to continually develop and deliver technology and equipment for complex industry scale solutions and applications, in close co-operation with customers
- Strong backlog of orders and large installed base for leading players in a wide range of industries, providing recurring business





KEY FEATURES

117

patentswithin 17 families
of patents

450+

systems installed¹

120

systems in backlog to be delivered over the next 3-5 years

35

proprietary technologies and 25 proprietary technology applications 181

employees

6

countries with operations
Norway, France, Poland, US,
Canada and Italy



¹ Of which 290 systems are installed on 130 cruise ships, 60 systems within landbased waste and biomass valorisation and 100 systems with food processing

DRIVERS



Industry push for decarbonising



Economic realities



Circular economy



Policies and regulation



"Decarbonise or die!" Larry Fink CEO Blackrock



INDUSTRY RESPONSE















STRONG PULL FOR VOW SOLUTIONS

Sustainable tourism

Reduction of CO₂ emissions, reaching CO₂ neutrality and carbon negative

> Circular economy solutions to recover valuable resources, recycling of carbon, and eliminate pollution

Clean Ship **Technologies**

Wastewater Wet and dry waste Waste2Energy

Industry Decarbonization

Advanced carbon products Syngas to heat Syngas to X Electrifying heating processes

Carbon capture and sequestration

Soil Enrichment CO2 offsets

Chemical Recycling Plastics and Polymers

Syngas to x Oils to x Carbon black













































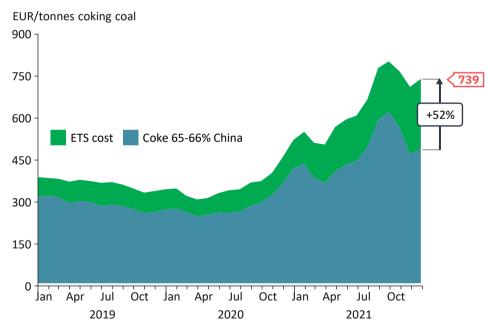
RISING COSTS AND CARBON TAX

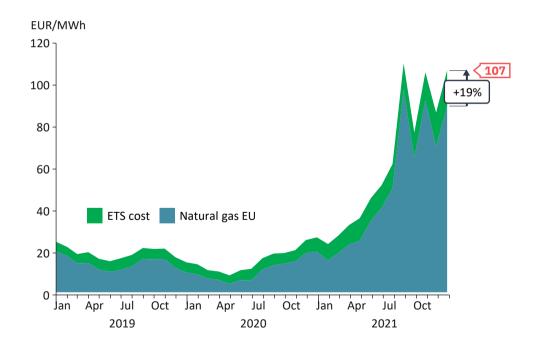
Price for metallurgical coking coal¹

Price for coking coal used in metallurgical industry. Included EU CO2 emission cost.

Price for natural gas in EU for heating²

Price for natural gas in EU first day every month. Included EU CO2 emission cost.





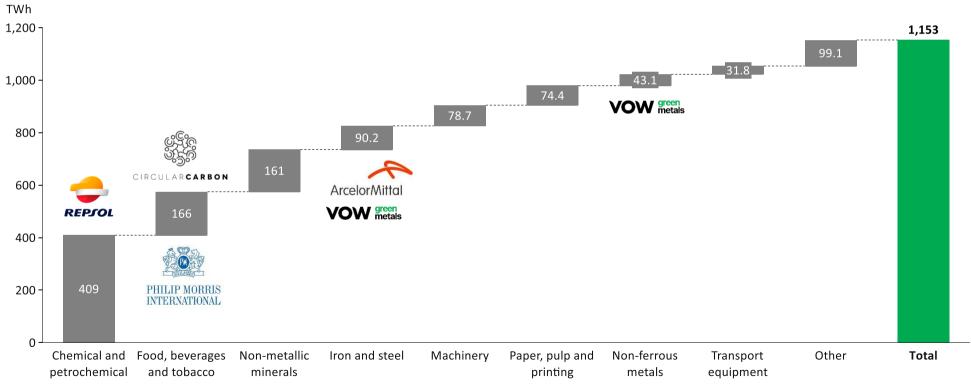
¹ S&P Global Platts 2022, >3 tonnes CO2 is emitted from 1 ton carbon;



² Eurostat, 200 g CO₂/kWh natural gas for energy (>400 g CO₂/kWh for electricity production)

INDUSTRY IN USE MORE THAN 1,000 TWH NATURAL GAS TODAY

Pyrolysis gas is available as a solution for the industry today





THE 50,000-TONNES 1 PROJECT

Feeding a large European non-ferrous metal producer, LOI announced February 2, 2022

Sustainable feedstock

- Forestry wood mass
- Biomass waste streams
- Wood materials



¹ Equivalent to 5 x initial production capacity at Follum project and EUR 85-100 million worth of Vow technology

50,000 tonnes

CO2 neutral biocarbon, replacing the equivalent of

EUR 37 million

of fossil coking coke

300 GWh

CO2 neutral syngas, replacing the equivalent of

EUR 32 million

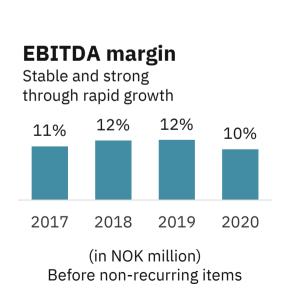
in fossil natural gas

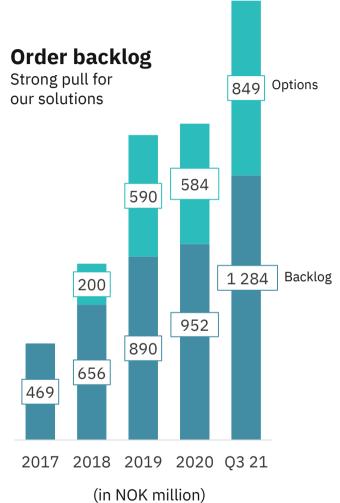


CHANGE IS COMING

The proof is in the numbers

Revenues Climbing despite 460 some covid-19 effects 381 330 247 2018 2019 2020 2017 (in NOK million)





(in NOK million) Q3 21 including contracts awarded as of 27 Oct 2021

