

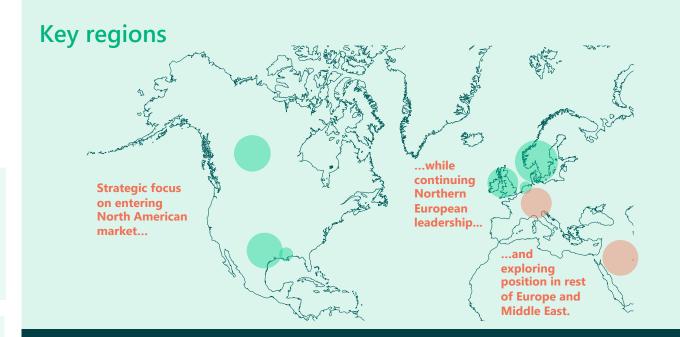


# **Aker Carbon Capture** in brief

Pure play carbon capture company offering modular and configurable capture units

**Best-in-class HSE** friendly and proprietary patented technology for optimized plant performance

**Proven** market-leading proprietary technology with over 60,000 operating hours and seven carbon capture units being delivered



### **Prioritized industries**









**CEMENT** 

**BIO/WASTE-TO-ENERGY** 

**GAS-TO-POWER** 

**BLUE HYDROGEN** 

...and engagement with new industry segments like refining and process industries





### **Highlights**

#### Market

- Significant growth in pre-FEEDs and studies with order intake year to date of around 9 million tonnes of CO<sub>2</sub> per year
- Signed Memorandum of Understanding (MoU) with Saudi Aramco
- Strengthened the modular product portfolio with launch of Just Catch™ 400

### **Projects**

- Twence CCU: commissioning started
- Brevik CCS: first heavy lift campaign completed
- Ørsted CCS: container fabrication started
- UK Track 1 projects in final negotiations for governmental support

#### **Financials**

- Strong backlog (NOK 3.0 billion), continued revenue growth (116% YoY) and solid cash position (NOK 1.3 billion)
- Julie Berg appointed as CFO, starting 1 December 2023

### Significant growth in pre-FEEDs and studies



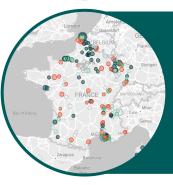
#### **Pre-FEED for a Swedish energy company**

- Based on Just Catch™
- Targeted emissions of 200,000 tonnes CO<sub>2</sub> per year



#### **Study for biomass plant in Germany**

- Just Catch™ study for biomass combined heat and power facility
- Targeted biogenic emissions of 250,000 tonnes CO<sub>2</sub> per year



### Study for waste-to-energy player in France

- Based on two Just Catch™ 100
- Targeted emissions of 200,000 tonnes CO<sub>2</sub> per year



### Study for mineral production facilities in the US

- Big Catch™ study
- Targeted combined emissions of 1.5 million tonnes CO<sub>2</sub> per year



#### **Pre-FEED for European energy company**

- Multiple power generation facilities in Europe, based on Big Catch™ offering
- Potential of CO<sub>2</sub> capture of up to 14 million tonnes per year



#### **Research and development**

- DemoBECCS project: new solvent screening in collaboration with DTU
- MeDORA project: solutions to mitigate solvent degradation in collaboration with SINTEF
- NL+ project: development of carbon accounting methodologies



### Order intake year to date over 9 million tonnes CO<sub>2</sub> per year







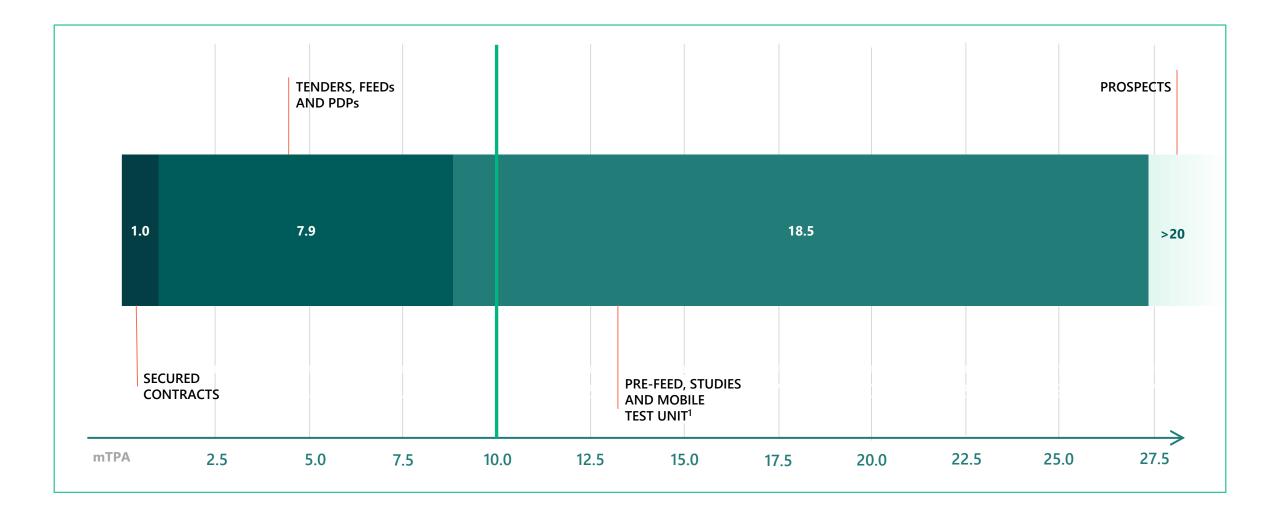


		Just Catch™ 100	Just Catch™ 400	Just Catch Offshore™	Big Catch™	TOTAL
SUPPLY AGREEMENT/		5 units	0	0	0	5 units
LICENCE & KEY EQUIPMENT <sup>1</sup>	CO <sub>2</sub> volume	500,000 TPA	0	0	0	500,000 TPA
PRE FEEDS/MTU <sup>2</sup>	No. of units	4 units	0	0	1 unit	5 units
PRE FEEDS/MIU-	CO <sub>2</sub> volume	400,000 TPA	0	0	2,000,000 TPA	2,400,000 TPA
STUDIES	No. of units	10 units	5 units	2 units	4 units	21 units
STODIES	CO <sub>2</sub> volume	1,000,000 TPA	2,000,000 TPA	780,000 TPA	2,600,000 TPA	6,380,000 TPA
	TOTAL	19 units <b>1,900,000 TPA</b>	5 units <b>2,000,000 TPA</b>	2 units <b>780,000 TPA</b>	5 units <b>4,600,000 TPA</b>	31 units <b>9,280,000 TPA</b>



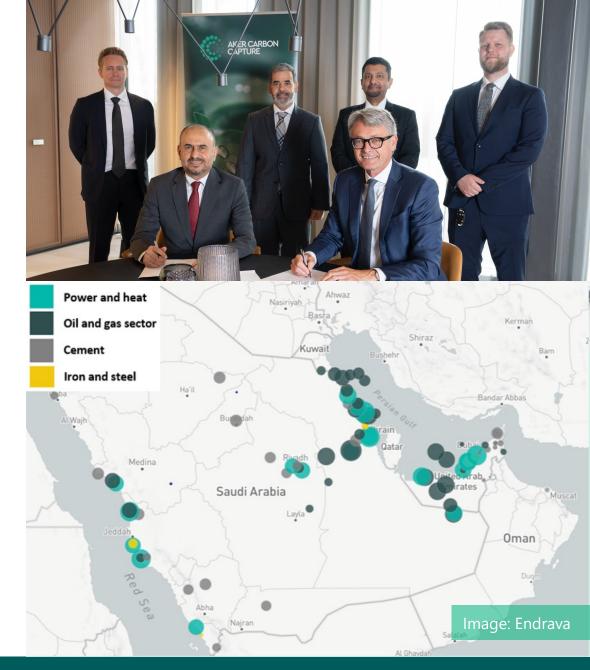
<sup>&</sup>lt;sup>2</sup> Not including recently awarded work that is yet to commence TPA = tonnes CO<sub>2</sub> per annum

### Continued pipeline development towards 10 in 25



## Aker Carbon Capture and Aramco to explore CCUS partnership opportunities

- The MoU will focus on carbon emissions reduction and removal through CCUS by offering modular carbon capture plants and aftermarket services
- The parties also aim to assess the potential for developing local supply chains and module fabrication
- Saudi Arabia targets CCUS of 9 million tonnes
   CO<sub>2</sub> per year from 2027, expanding to 44 million tonnes CO<sub>2</sub> per year by 2035









#### **December 2021**

SIGNED CONTRACT

#### October 2023

EQUIPMENT INSTALLED AND COMMISSIONING STARTED

#### **End 2023**

PLANNED DELIVERY

## WASTE TO ENERGY TWENCE CCU

### **Netherlands**

- Capturing 100,000 tonnes CO<sub>2</sub> per year
- First of a kind modular carbon capture project on track
- All equipment and piping installed
- Commissioning started
- CO<sub>2</sub> will boost local greenhouse production



# HEIDELBERG MATERIALS SEMENT NORGE BREVIK CCS

### **Norway**

- 400,000 tonnes CO<sub>2</sub> per year capture and liquefaction plant
- First heavy lift campaign completed including absorber, storage tanks and key modules
- Creating local employment and strong partnerships
- CO<sub>2</sub> transport by ship to permanent storage as part of Northern Lights



**2020**PROJECT START

September 2023
FIRST HEAVY LIFT CAMPAIGN
COMPLETED

2024
PLANNED
DELIVERY





May 2023 CONTRACT AWARD September 2023
CONTAINER FABRICATION
STARTED

End 2025
PLANNED DELIVERY

# ØRSTED KALUNDBORG CCS

### **Denmark**

- Design capture capacity of 500,000 tonnes CO<sub>2</sub> per year
- Container fabrication started
- Five Just Catch™ units at wood chip-fired Asnæs Power Station and strawfired Avedøre Power Station
- First full-scale CCS value chain in Denmark, delivered by Ørsted, Aker Carbon Capture, Microsoft and Northern Lights





### Flagship projects in the UK

### **Track-1 Clusters**

### Now in final negotiations for funding

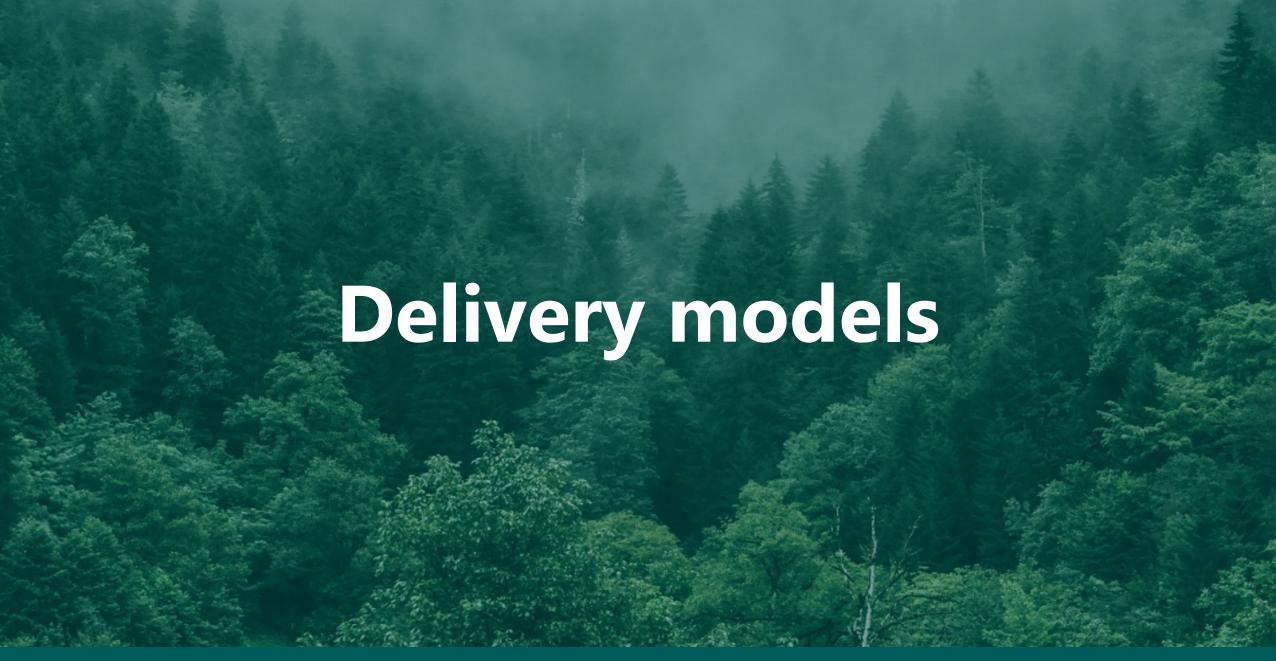
- bp Net Zero Teesside Power FEED
  - Design capacity of 2 million tonnes of CO<sub>2</sub> per year
  - Carbon capture partner to a consortium of Aker Solutions, Siemens Energy and Altrad Babcock
- Viridor's waste-to-energy Runcorn CCS pre-FEED
  - Planned capacity of 1 million tonnes of CO<sub>2</sub> per year

### **Awaiting Track-1 cluster expansion process**

- SSE Keadby 3 Carbon Capture Power Station FEED
  - Design capacity of 2 million tonnes of CO<sub>2</sub> per year

£20 billion UK CCUS infrastructure funding Ambition of 20-30 Mt CO<sub>2</sub> per year capture by 2030







Ongoing studies covering 5 units across Europe and US

### Just Catch™ 400 Strengthening modular product portfolio

- Capture capacity of 300,000 to 450,000 tonnes CO<sub>2</sub> per year
- Optimized to deliver high energy efficiency
- Small optimized footprint, ~30 x 55m

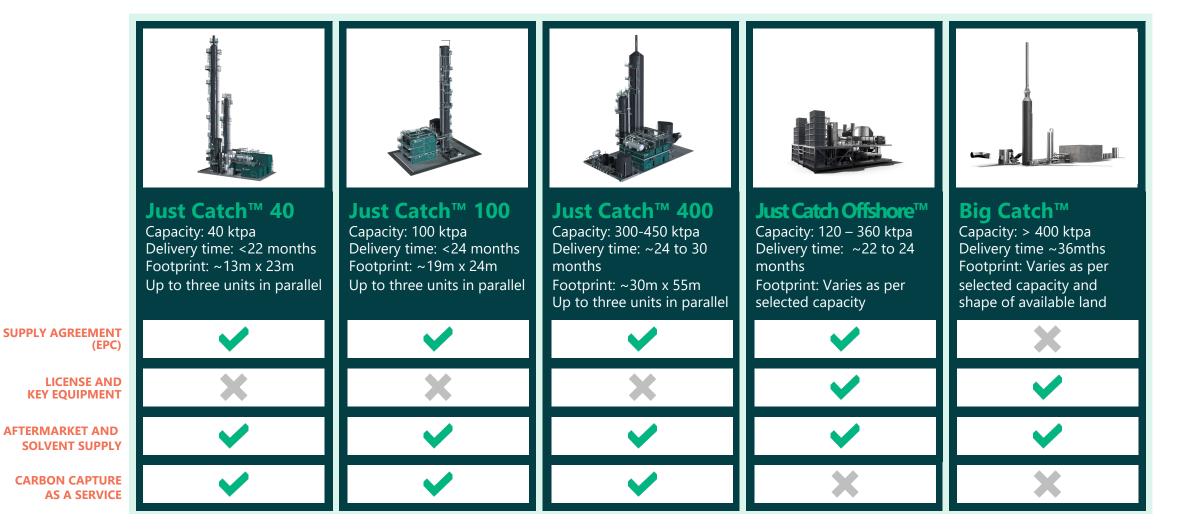
### **Key features**

- Delivered as a modular carbon capture plant
- Prefabricated and completed modules for rapid installation
- Optimized delivery time

Enabled by modular design principles

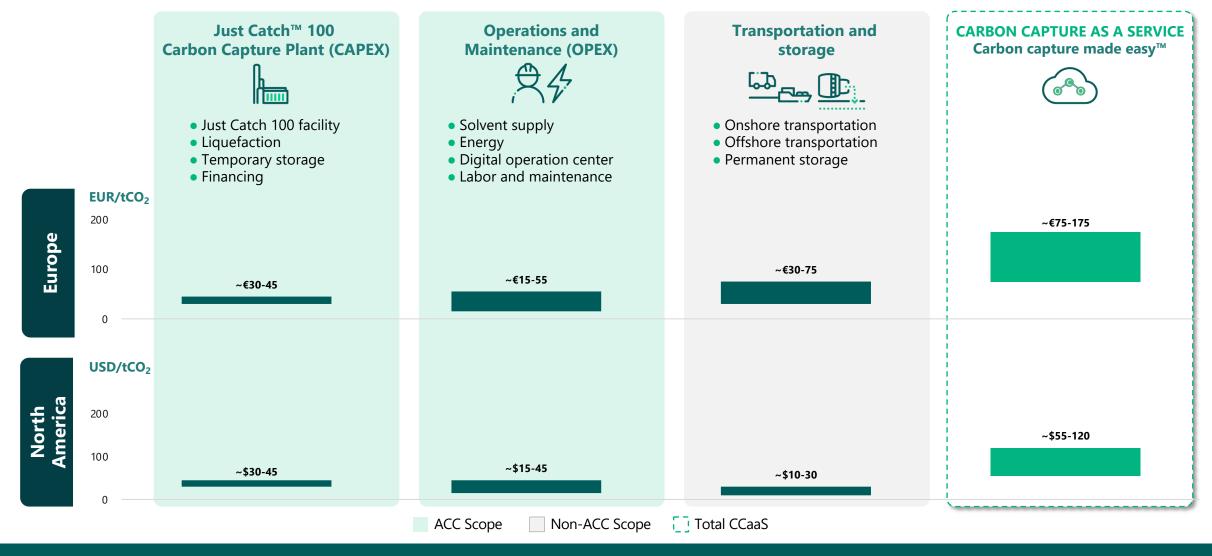


### A wide range of offerings and delivery models





### Indicative levelized cost of Carbon Capture as a Service





### **Third quarter 2023 | Income statement**

### Revenue and EBITDA NOK million



- Revenue ended at NOK 440 million which was NOK 236 million higher compared to the same period last year.
   The increase is mainly driven by ongoing Big Catch™ and Just Catch™ projects
- EBITDA ended at negative NOK 47 million which was NOK 9 million better than the same period last year
  - Profit has not yet been recognised for Ørsted Kalundborg CCS. Profit will be recognized when cost estimates in the project reaches a high level of certainty<sup>1</sup>
  - Positive contribution from ongoing Big Catch and Just Catch projects, FEEDs, pre-FEEDs and studies
  - The overall negative EBITDA continued to be driven by high sales, tender activity, North America entry, and R&D activities

### Third quarter 2023 | Balance sheet

### Balance sheet NOK million

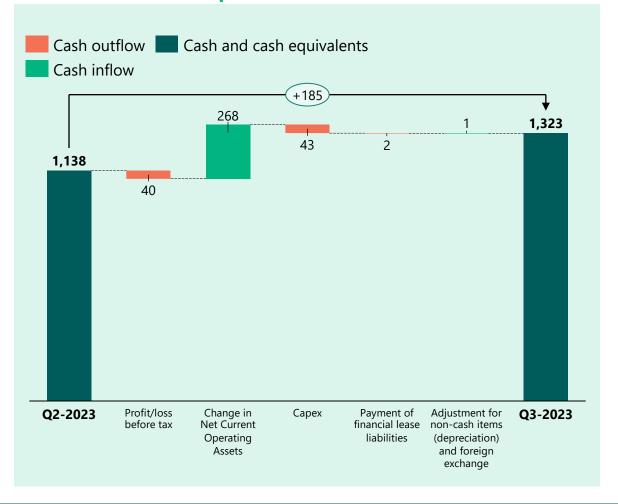


- Net Current Operating Assets (net working capital) ended at negative NOK 806 million which represents a strong positive cash position on key projects
- NOK 591 million negative Net Capital Employed signalling that the business' operating capital is currently funded by project working capital
- Healthy **Cash and cash equivalents** balance at NOK 1.3 billion which covers all liabilities 1.4 times
- Strong Equity position at NOK 0.8 billion

### Third quarter 2023 | Cash flow

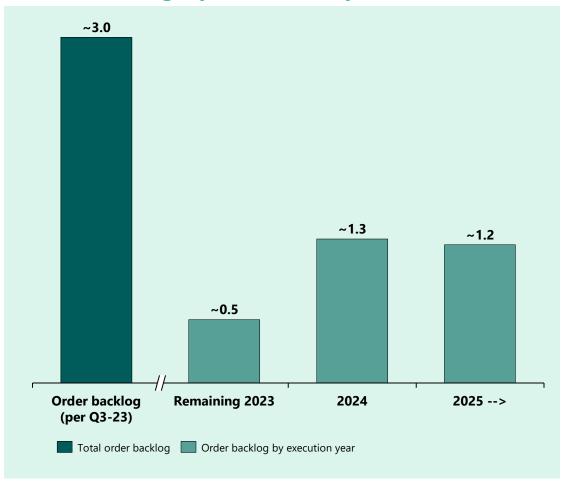
- The quarter ended with an overall cash inflow of NOK 185 million
  - Loss before tax of negative NOK 40 million
  - Inflow of NOK 268 million related to change in Net Current Operating Assets mainly related to milestone payments on key projects
  - CAPEX of NOK 43 million was mainly related to product development and the construction of a new Mobile Test Unit
  - Payment of financial lease liabilities and adjustment for other non-cash items was net negative and represented NOK 1 million
- Cash and cash equivalents ended the quarter at NOK 1,323 million

### Cash flow development NOK million



### **Financial outlook**

### Order backlog by execution year NOK billion



### Financial outlook

- Positive impact on gross profit margin when profit is recognized for Ørsted Kalundborg CCS<sup>1</sup>
- Serial delivery of Just Catch™ units on the back of Twence CCU and Ørsted Kalundborg CCS is expected to drive improved profit margins through the backlog execution period
- Increased conversion of tenders, FEEDs, pre-FEEDs and studies to development contracts expected through backlog execution period
- Other operating expenses expected to remain around current levels through the next 6-12 months
- Capex expected to remain around current levels through the next 6-12 months
- Current cash position of NOK 1.3 billion expected to trend to around NOK 1.0 billion until year-end





### Accelerating planet positive through carbon reduction and removal



#### **Industries and geo-markets**

- Cement, bio/waste-to-energy, gas-to-power, blue hydrogen, refining, process industries
- Grow Northern Europe, enter North America, explore Rest of Europe and Middle East

#### **Technology roadmap and innovation**

- Further improve energy efficiency and capture rate
- Increased focus on new capture technologies and digitalization

#### **Cost-efficient product portfolio and delivery models**

- Modular and configurable offerings; Just Catch™, Big Catch™ and Just Catch Offshore™
- Cost reduction through serial production and working together with strategic suppliers

#### **Operations and aftermarket**

- Supply of solvent, performance optimization, digital operations and maintenance
- Grow Carbon Capture as a Service to accelerate industry adaptation of CCUS

#### Rapid growth through partnership

- Differentiating through integrated offerings and joint market positioning
- · Increased focus on execution partnerships

#### **Accelerate Planet Positive**

- Team devoted to accelerate carbon reduction and removal
- Roadmap to planet positive and carbon net negative

Deliver on ongoing projects

10 in 25

Secure contracts to capture **10** million tonnes CO<sub>2</sub> per annum by **2025** 





### **Condensed consolidated income statement**

	Full year				Full year			
Amounts in NOK thousand	2021	Q1 2022	Q2 2022	Q3 2022	2022	Q1 2023	Q2 2023	Q3 2023
Revenues	363,177	144,319	193,640	203,613	780,863	287,283	305,495	439,564
Materials, goods and services	(332,814)	(129,170)	(171,708)	(183,284)	(705,807)	(261,631)	(278,150)	(415,511)
Salary and other personnel costs	(92,102)	(34,135)	(38,357)	(44,574)	(152,140)	(52,615)	(56,143)	(52,928)
Other operating expenses	(128,104)	(41,689)	(32,159)	(31,353)	(134,663)	(24,408)	(24,383)	(18,612)
BITDA	(189,843)	(60,675)	(48,584)	(55,597)	(211,746)	(51,372)	(53,181)	(47,487)
Depreciation	(5,346)	(2,597)	(3,014)	(2,597)	(11,008)	(3,871)	(3,196)	(3,826)
Operating profit (loss)	(195,189)	(63,272)	(51,598)	(58,194)	(222,754)	(55,243)	(56,377)	(51,313)
Financial income	3,148	2,445	3,078	5,286	18,377	6,885	9,506	12,488
Financial expenses	(659)	(186)	(272)	(170)	(793)	(132)	(124)	(233)
Foreign exchange gain (loss)	399	998	(997)	1,503	1,097	(757)	480	(784)
Net financial items	2,889	3,257	1,808	6,618	18,682	5,996	9,862	11,471
Profit (loss) before tax	(192,301)	(60,015)	(49,790)	(51,576)	(204,072)	(49,246)	(46,515)	(39,842)
Income tax benefit (expense)	-	-	-	-	-	-	-	-
Net profit (loss)	(192,301)	(60,015)	(49,790)	(51,576)	(204,072)	(49,246)	(46,515)	(39,842)

### **Condensed consolidated balance sheet | Assets**

Amounts in NOK thousand	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023
Non-current assets								
Intangible assets	11,292	12,256	26,722	57,453	73,152	97,469	117,845	152,567
Right-of-use assets	14,242	11,751	9,677	7,604	5,530	3,456	1,382	(0)
Property, plant and equipent	7,732	12,382	21,812	26,108	48,892	57,451	59,546	65,139
Total non-current assets	33,266	36,389	58,211	91,165	127,573	158,376	178,774	217,706
Current assets								
Trade and other receivables	255,306	153,686	40,366	50,171	75,668	40,042	154,244	117,649
Derivative financial assets	-	-	-	7,208	677	172	8,199	21,130
Cash and cash equivalents	1,321,270	1,485,257	1,451,912	1,372,880	1,092,669	1,348,241	1,137,853	1,322,620
Total current assets	1,576,576	1,638,944	1,492,279	1,430,258	1,169,013	1,388,455	1,300,296	1,461,399
Total assets	1,609,841	1,675,333	1,550,490	1,521,423	1,296,587	1,546,832	1,479,070	1,679,105

### **Condensed consolidated balance sheet | Equity and liabilities**

Amounts in NOK thousand	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023
Equity								
Share capital	604,242	604,242	604,242	604,294	604,242	604,290	604,242	604,242
Other equity and reserves	472,034	411,064	362,581	318,286	273,597	229,437	189,759	148,592
Total equity	1,076,276	1,015,307	966,823	922,580	877,839	833,727	794,001	752,834
Non-current liabilities								
Pension liabilities	2,685	2,475	2,487	2,836	3,112	2,979	2,969	2,948
Non-current lease liabilities	6,091	3,545	1,273	-	-	-	-	-
Total non-current liabilities	8,775	6,020	3,760	2,836	3,112	2,979	2,969	2,948
Current liabilities								
Trade and other payables	515,076	644,292	570,193	587,106	409,279	706,129	680,491	923,322
Current lease liabilities	9,714	9,714	9,714	8,686	6,356	3,997	1,609	(0)
Derivative financial liabilities	-	-	-	215	-	-	-	-
Total current liabilities	524,790	654,006	579,907	596,007	415,635	710,126	682,100	923,322
Total equity and liabilities	1,609,841	1,675,333	1,550,490	1,521,423	1,296,587	1,546,832	1,479,070	1,679,105

### Condensed consolidated statement of cash flow

	Full year					Full year			
Amounts in NOK thousand	2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	2022	Q1 2023	Q2 2023	Q3 2023
Profit before tax	(192,301)	(60,015)	(49,790)	(51,576)	(42,692)	(204,072)	(49,246)	(46,515)	(39,842)
Adjustment for:									
Amortisation and depreciation	5,346	2,597	3,014	2,597	2,799	11,008	3,871	3,196	3,826
Hedge adjustment, no cash flow effect	-	-	_	-	1,020	1,020	3,089	9,045	(3,111)
Changes in net current operating assets	243,039	229,186	40,663	7,721	(203,982)	73,589	331,084	(146,406)	267,880
Accrued interest and foreign exchange	596	1,284	(887)	128	196	721	910	(1,756)	846
Cash flow from operating activities	56,680	173,053	(6,999)	(41,130)	(242,658)	(117,734)	289,708	(182,435)	229,599
Acquisition of property, plant and equipment	(5,341)	(4,953)	(9,733)	(4,597)	(23,290)	(42,573)	(6,379)	(3,936)	(6,468)
Payments for capitalized development	(7,769)	(1,184)	(14,686)	(30,952)	(15,919)	(62,741)	(27,351)	(20,597)	(36,248)
Cash flow from investing activities	(13,110)	(6,137)	(24,419)	(35,549)	(39,209)	(105,314)	(33,730)	(24,533)	(42,716)
Payment of finance lease liabilities	(4,888)	(2,429)	(2,787)	(2,429)	(1,804)	(9,448)	(2,359)	(2,388)	(1,609)
Share issue, net of transaction costs	824,888	-	-	-	-	-	-	-	-
Cash flow from financing activities	820,000	(2,429)	(2,787)	(2,429)	(1,804)	(9,448)	(2,359)	(3,379)	(1,609)
FX revaluation of cash	-	(499)	862	74	3,460	3,896	1,953	(41)	(506)
Net cash flow	863,571	163,988	(33,344)	(79,033)	(280,211)	(228,601)	255,572	(210,388)	184,767
Cash and cash equivalent at the beginning of the period	457,699	1,321,270	1,485,257	1,451,913	1,372,880	1,321,270	1,092,669	1,348,241	1,137,853
Cash and cash equivalent at the end of the period	1,321,270	1,485,257	1,451,913	1,372,880	1,092,669	1,092,669	1,348,241	1,137,853	1,322,620

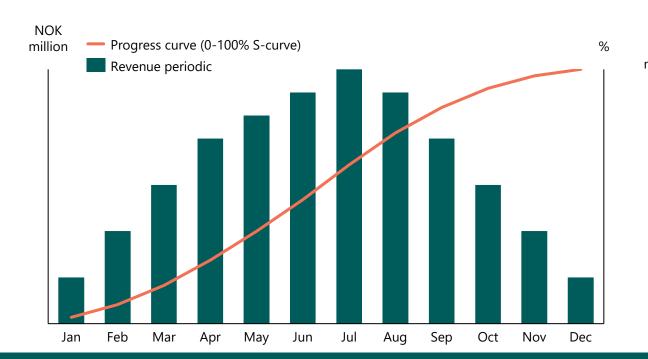
### **Project accounting | Recognition of profit versus revenue**

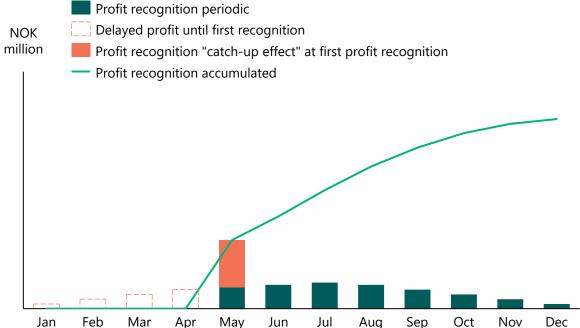
### Revenue recognition

- Revenue from projects is recognized according to incurred cost progress over time, typically following an S-curve completion schedule
- The input method used to measure cost progress over time is a reference to the costs incurred to date, relative to the total estimated contract cost

#### Profit recognition

- There is no profit recognition until project cost estimates can be measured reliably
- Project costs are normally judged to be measured reliably once major steps in the schedule are reached, such as (1) major purchase orders placed, and/or (2) when details of site installation works are confirmed
- The process usually involves some level of "catch-up effect" at the start of profit recognition





### **Sustainability focus areas**

#### STRATEGIC TARGETS

Along with the absolute volume of carbon captured there are two important targets for Aker Carbon Capture:



Carbon intensity to be improved by 50% by 2030



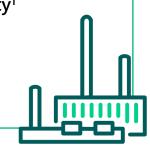
Reaching net negative by 2030

#### Current Carbon intensity<sup>1</sup> Just Catch™

0.2% Capture phase:

Big Catch™

Capture phase: 1.6%



<sup>&</sup>lt;sup>1</sup> NB: Carbon intensity defined as: tCO<sub>2</sub> emitted/tCO<sub>2</sub> captured

#### **ACTIONS TOWARDS 2030**



Emissions will be reduced through execution, technological, and commercial initiatives such as:



Improve capture rate and energy efficiency



Supply chain engagement, e.g. low carbon materials and reduction targets



Strategic partner engagement, e.g. transport and storage



Purchase of Guarantee of Origin of renewable power



Focus on carbon removals including offsetting residual emissions.

#### **HIGHLIGHTS**



Founding members through Aker ASA. Creates predictability around demand for sustainable and low-carbon materials and products.



We have issued our commitment-letter and moving forward we will collaborate with Science-Based Target initiative to get our targets approved.





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