

#### Fourth Quarter 2017

28 February 2018

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### ASETEK in brief

- Listed on Oslo Børs
- **Business**
- Sales
- **Operating profit**

Market cap

- **OSE4520 Technology Hardware & Equipment**
- Q4'17 USD 17.9 million / FY'17 USD 58 million
- USD ~285 million / NOK ~2.2\* billion

\* 1 USD = NOK 7.87 (27 FEB. '18)





**Provider of liquid cooling solutions** for data centers, servers and PCs

Desktop PC segment Q4'17 USD 4.7 million / FY'17 USD 16.0 million Data center segment Q4'17 USD (2.3) million / FY'17 USD (7.3) million



### What we do



# Asetek specializes in liquid cooling solutions for data centers, servers and PCs







### Our integrated value chain and global reach







Aalborg (Denmark) R&D and Engineering



# ~4.9 million liquid cooling units deployed in the field

#### Asetek liquid cooling units deployed in the field











# Highlights

- Q4 2017 revenue of USD 17.9 million, on par with extraordinary high Q4 2016
- Record full year revenue of USD 58.2 million, up 14% from 2016
- Desktop segment revenue driven by high-end gaming cooling demand
- Announced data center orders and new OEM partners
- Announcements regarding major data center partner anticipated in Q1 2018
- Desktop revenue expected to grow in the range of 5% to 15% in 2018, data center in the range of 50% to 75%





#### **Revenue per segment, USD thousands**







### Two business segments









**DESKTOP SEGMENT** 

## Desktop DIY and gaming PCs driving revenue

#### **Quarterly desktop revenue**





Gaming/Performance DT Workstation DIY







DESKTOP SEGMENT

# Positive development despite challenged PC industry



**Do-It-Yourself PC enthusiasts** 80% sales\*



**Gaming and Performance Desktop PCs** 19% sales\*



**Enterprise Workstations** 1% sales\*

Shipped 304,000 desktop units in Q4'17





- Desktop segment driven by new, powerful technologies and high profile computer games
- Strong demand within the DIY market
- 4 new products began shipping
- PCs
   Increasing need for advanced cooling due to customer desire for a more immersive gaming experience
  - Total addressable market expanding
  - Workstation category marginal part of segment today



# Revenue fluctuates as OEM partnerships are developed

#### **Quarterly data center revenue**









## Two new HPC orders from OEM partner Fujitsu





FUITSU

Announced November 16, 2017

#### **Order from Fujitsu to Cool Japan's Fastest AI Supercomputer System**

- Order for Asetek RackCDU D2C<sup>™</sup> (Direct-to-Chip) liquid cooling to be used at the AI Bridging Cloud Infrastructure (ABCI) cluster, set to become the fastest supercomputer system in Japan, at the National Institute of Advanced Industrial Science and Technology (AIST)
- Order value: USD 975,000
- Delivery: To be completed in Q1 2018









FUITSU

Announced January 24, 2018

#### **Order from Fujitsu for Institute of Fluid Science at Tohoku University**

- The supercomputing system will consist of multiple computational subsystems using the latest liquid-cooled Fujitsu PRIMERGY x86 servers
- Order value: USD 420,000
- Delivery: To be completed in Q1 2018



Done right!

### Three new data center OEM partners in Q4 2017





Announced November 2, 2017

- SUPERCOMPUTER in Italy
- conscious



E4 Computer Engineering, an Italian technology provider of solutions for HPC, data analytics and AI utilized Asetek RackCDU D2C<sup>™</sup> (Directto-Chip) liquid cooling for the D.A.V.I.D.E.

Solution enables more effective cooling and increased computational performance

• D.A.V.I.D.E. is among the harbingers of a new generation of HPC systems which deliver high performance while being environmentally



Announced November 8, 2017

- Acer will incorporate liquid cooling into their next generation of high density and high wattage server designs
- Enabling the servers to incorporate the highest performing CPUs and GPUs.
- Asetek's low pressure and flexibility in adapting to server designs were important differentiators in Acer's choice of cooling partner



### Revenue development

- Q4'17 group revenue of USD 17.9m driven by DIY sales
  - In line with extraordinary high Q4'16
- Q4'17 desktop revenue USD 16.4m
  - Driven by demand in DIY market
  - Compares with USD 16.3m in Q4'16 and USD 15.6m in Q3'17
- Q4'17 data center revenue of USD 1.5m
  - Decrease in OEM shipments vs. Q3'17
  - Compares with USD 1.6m in Q4'16 and USD 2.0m in Q3'17





#### **Group revenue, USD thousands**













### Gross margin and earnings development



- Group gross margin of 33.8% (37.2%)
- Desktop gross margin at 35.2% (39.5%)
  - Impacted by increased product costs and a continued weakening of USD
- Data center gross margin at 18.3% (13.5%)
  - Fluctuations driven by variability in the mix of deliverables on government contracts relative to volume of OEM shipments





#### **Group EBITDA development, USD thousands**



- Desktop EBITDA margin of 28.8% (34.6%)
- Data center EBITDA of USD (2.3) million
  - Since Q4 2016, the cost level has increased in preparation of launch with a global player as announced in February 2017





#### Income statement

USD (000's)		Q4 2017			Q4 2016	
	Group	Desktop	Data center	Group	Desktop	Data center
Revenue	17 924	16 412	1,512	17 912	16 322	1 590
Gross Margin	33.8 %	35.2%	18.3%	37.2 %	39.5%	13.5%
Other operating expenses	3 593	1 053	2 540	2 893	805	2 088
EBITDA adjusted	2 468	4 732	(2 264)	3 772	5 646	(1 874)
Depreciations	699	340	359	540	201	339
Share based compensation	374	108	<mark>26</mark> 6	59	20	39
EBIT	1 395	4 284	(2 889)	3 173	5 425	(2 252)
EBIT Margin	7.8 %	26.1%	N/A	17.7%	33.2%	N/A
HQ, Litigation expenses, net	320			305		
HQ, Share based compensation	107			29		
HQ, Other	183			356		
Headquarters costs	610			690		
EBIT, total	785			2 483		

#### Increased overhead costs

- Data Center was the main driver due to high R&D activity and work towards launch of new partner
- Desktop increase was primarily related to work up towards significant product launch
- Share based compensation costs associated with warrants issued to employees increased to USD 0.5 million in Q4 2017
- Significant negative impact from fluctuations in currency exchange rates







#### FINANCIALS Exchange Rate Development

#### CNY vs. USD – 2016 and 2017



- 6% increase in the Chinese Yuan (CNY) vs. USD
  - Explains cost price increases for desktop COGS in 2017
  - Most of desktop COGS is denominated in CNY







- 12% increase in the Danish krone (DKK) vs the USD
  - Partial explanation for 2017 increase in overheads
  - About 80% of overheads are denominated in DKK



### Cash flow statement

Cash and cash equivalents at end of period	18 398	17 739
Cash and cash equivalents at beginning of period	17 739	16 254
Net changes in cash and cash equivalents	659	1 485
Effect of exchange rate changes on cash	271	401
Net cash provided (used) by financing activities	29	(223)
Issuance of capital / conv debt / dividend	(262)	45
Cash flows on credit lines/debt/lease	291	(268)
Proceeds from debt issuance, other LT liabilities		
Net cash used in investing activities	(1 213)	(1 158)
Purchase of property and equipment & other assets	(600)	(410)
Additions to intangible assets and other assets	(613)	(748)
Net cash provided (used) in operating activities	1 572	2 465
Changes in payables and accrued liabilities	731	2 387
Changes in current assets other than cash	(878)	(2 584)
Share based compensation	482	552
Finance cost (income) and taxes	(3 040)	22
Depreciation, amortization and impairment	704	712
Income (loss) for the period	3 573	1 376
USD (000's)	Q4 2017	Q3 2017





7 Q2 20	17 Q1 2017	01 2016
		Q4 2016
6 (62	25) 151	7 578
2 6	31 388	563
2	10 8	(4 707)
2 4	91 72	88
) (19	98) 4 353	(4 182)
7 25	76 (5 769)	1 342
5 28	85 (797)	682
) (67	74) (391)	(433)
) (63	37) (225)	(528)
) (1 31	(616)	(961)
۰ ۱	0. (212)	105
	86 (213)	125
5 (2.28	-	112
) (199	95) 61	237
1 4	91 (74)	(641)
5	70 (1 426)	( 683)
4 16 1	84 17 610	18 293
9 16 2	54 16 184	17 610



### Balance sheet

- Strong cash position
- Low interest bearing debt
- Lean balance sheet enabling growth and financial flexibility



\* Non-current assets contains mainly capitalized R&D and deferred taxes



#### **Balance sheet composition - USD thousands**





**DESKTOP SEGMENT** 

### Desktop strategy and outlook







າ	Strategy	Outlook
elf sts	<ul> <li>Drive differentiation</li> <li>Increase GPU attach</li> </ul>	Desktop revenue expected to grow in the range of 5% to 15% in 2018
ns	Recover market share	





### Data center strategy and outlook

Goal	
	Execute on the to be disclosed
Increase end-user adoption with existing OEMs Add new OEMs	Exploit establis
	Explore potent segment



development agreement with the as yet major player in data center market

shed leadership within HPC

tial opportunities to grow beyond the HPC

Strategy

Data center revenue expected to grow in the range of 50% to 75% in 2018

#### Outlook







### Summary

- Record full year revenue of USD 58.2 million, up 14% from 2016
- Announcements regarding major data center partner anticipated in Q1 2018
- Desktop revenue expected to grow in the range of 5% to 15% in 2018
- Data center revenue expected to grow in the range of 50% to 75% in 2018
- Profitability for 2018 is expected to exceed 2017 amid minimal growth in spending and continued investment in the data center business









### Largest shareholders as of 23 February 2018

Name	Holding	Percentage	Country Account Type
SUNSTONE TECHNOLOGY	3,186,341	12.5%	DNK ORDINARY
ARBEJDSMARKEDETS TIL	2,015,838	7.9%	DNK ORDINARY
DANSKE BANK A/S	1,703,349	6.7%	DNK NOMINEE
UBS SWITZERLAND AG	1,638,097	6.4%	CHE NOMINEE
CLEARSTREAM BANKING	1,507,391	5.9%	LUX NOMINEE
HSBC BANK PLC	1,267,579	5.0%	GBR NOMINEE
NORDEA BANK AB	1,107,444	4.2%	DNK NOMINEE
KLP AKSJENORGE	977,671	3.8%	NOR ORDINARY
RBC INVESTOR SERVICE	882,931	3.4%	LUX NOMINEE
KOMMUNAL	707,670	2.8%	NOR ORDINARY
NORDNET BANK AB	650,047	2.5%	SWE NOMINEE
THE BANK OF NEW YORK (1)	632,745	2.5%	DNK NOMINEE
LANNEBO EUROPA SMÅBO	538,535	2.1%	SWE ORDINARY
EUROCLEAR BANK S.A./	470,582	1.8%	BEL NOMINEE
J.P. MORGAN CHASE	431,052	1.7%	GBR NOMINEE
STATE STREET BANK &	412,078	1.6%	USA NOMINEE
THE BANK OF NEW YORK	398,844	1.6%	BEL NOMINEE
DZ PRIVATBANK S.A. 0	372,500	1.5%	LUX NOMINEE
DANSKE BANK A/S (1)	274,783	1.1%	DNK NOMINEE
GOLDMAN SACHS INTERN	270,000	1.1%	GBR NOMINEE
Total Top 20	19,445,477	76.1%	
Other Shareholders	5,792,001	22.6%	
ASETEK Treasury Shares	330,524	1.3%	
Total share capital	25,568,002	100.0%	







### Income statement

Figures in USD (000's)	Q4 2017	Q4 2016	5	2017	20
	Unaudited	Unaudited		;	
Revenue	\$ 17 924	\$ 17 912	\$	58 194 \$	50 9
Cost of sales	11 863	11 244		37 225	31 1
Gross profit	6 061	6 668		20 969	19 7
Research and development	1 231	1 038		4 220	34
Selling, general and administrative	3 961	3 147		14 905	11 6
Other expense (income)	84	-		(913)	-
Total operating expenses	5 276	4 185		18 212	15 0
Operating income	785	2 483		2 757	4 6
Foreign exchange (loss) gain	(248)	425		(1 239)	3
Finance costs	15	21		(19)	
Total financial income (expenses)	(233)			(1 258)	3
Income before tax	552	2 929		1 499	4 9
Income tax (expense) benefit	3 021	4 649		2 976	4 6
Income for the period	3 573	7 578		4 475	9 6
Other comprehensive income items that may be reclassified	d				
to profit or loss in subsequent periods:					
Foreign currency translation adjustments	36	(575)	)	1 253	(4
Total comprehensive income	\$ 3 609	\$ 7 003	\$	5 728 \$	9 1
	,	<u> </u>			
Income per share (in USD):					
Basic	\$ 0.14	\$ 0.30	\$	0.18 \$	0.
Diluted	\$ 0.13	\$ 0.29		0.17 \$	0.







### Balance sheet

Figures in USD (000's)		31 Dec 2017	31 Dec 2016
ASSETS			
Non-current assets			
Intangible assets	\$	2 754 \$	1 871
Property and equipment		3 856	1 684
Deferred income tax assets		7 778	4 874
Other assets		794	642
Total non-current assets		15 182	9 071
Current assets			
Inventory		2 316	1 158
Trade receivables and other		13 280	13 325
Cash and cash equivalents		18 398	17 610
Total current assets		33 994	32 093
Total assets	\$	49 176 \$	41 164
EQUITY AND LIABILITIES			
Equity			
Share capital	\$	419 \$	417
Retained earnings		31 976	28 130
Translation and other reserves		999	(257)
Total equity		33 394	28 290
Non-current liabilities			
Long-term debt		816	264
Total non-current liabilities		816	264
Current liabilities			
Short-term debt		1 051	524
Accrued liabilities		2 432	1 305
Accrued compensation & employee benefits		1 335	1 413
Trade payables		10 148	9 368
Total current liabilities		14 966	12 610
Total liabilities		15 782	12 874
Total equity and liabilities	Ś	49 176 \$	41 164







## Equity

		Share	Share	Т	ranslation	Other	Retained	
Figures in USD (000's)		capital	premium		reserves	reserves	earnings	Tota
Equity at January 1, 2017	\$	417	\$ -	\$	(248)	\$ (9) \$	28 130	\$ 28 290
Total comprehensive income - year ended December 31, 2017								
Income for the period		-	-		-	-	4 475	4 475
Foreign currency translation adjustments		-	-		1 253	-	-	1 253
Total comprehensive income - year ended December 31, 2017		-	-		1 253	-	4 475	5 728
Transactions with owners - year ended December 31, 2017								
Shares issued		2	-		-	3	684	689
Dividends		-	-		-	-	(2 910)	(2 910
Share based payment expense		-	-		-	-	1 597	1 597
Transactions with owners - year ended December 31, 2017		2	-		-	3	(629)	(624
Equity at December 31, 2017	\$	419	\$ -	\$	1 005	\$ (6) \$	31 976	\$ 33 394
						(2) 1		
Equity at January 1, 2016	\$	416	\$ 76 665	\$	207	\$ (9) \$	(58 633)	\$ 18 646
	\$	416	\$ 76 665	\$	207	\$ (9) Ş	(58 633)	\$ 18 646
Equity at January 1, 2016 Total comprehensive income - year ended December 31, 2016 Loss for the period	\$	416	\$ -76 665	\$	- 207	\$ <u>(9)</u> Ş	(58 633) 9 637	\$
Total comprehensive income - year ended December 31, 2016	<u>\$</u>	<u>416</u> - -	\$ 76 665 - -	\$	207 - (455)	\$		\$ 9 637
Total comprehensive income - year ended December 31, 2016 Loss for the period Foreign currency translation adjustments	<u>\$</u>	<u>416</u> - - -	\$ 76 665 - -	\$	-	\$		\$ 9 637 (455
Total comprehensive income - year ended December 31, 2016 Loss for the period Foreign currency translation adjustments Total comprehensive income - year ended December 31, 2016	<u>\$</u>	<u>416</u> - -	\$ 76 665 - -	\$	- (455)	\$ - -	9 637	\$ 9 637 (455
<b>Total comprehensive income - year ended December 31, 2016</b> Loss for the period Foreign currency translation adjustments Total comprehensive income - year ended December 31, 2016	<u>\$</u>	<u>416</u> - - 1	\$ 76 665 - - - 133	\$	- (455)	\$ - -	9 637	\$ 9 637 (455 9 182
Total comprehensive income - year ended December 31, 2016 Loss for the period Foreign currency translation adjustments Total comprehensive income - year ended December 31, 2016 Transactions with owners - year ended December 31, 2016	<u>\$</u>	416 - - - 1 -	\$ - -	\$	- (455)	\$ - -	9 637	\$ 18 646 9 637 (455 9 182 134
<ul> <li>Total comprehensive income - year ended December 31, 2016         Loss for the period         Foreign currency translation adjustments     </li> <li>Total comprehensive income - year ended December 31, 2016</li> <li>Transactions with owners - year ended December 31, 2016         Shares issued     </li> </ul>	\$ 	416 - - - 1 - -	\$ - - - 133	\$	- (455)	\$ -	9 637 - 9 637 - -	\$ 9 637 (455 9 182
<ul> <li>Total comprehensive income - year ended December 31, 2016         Loss for the period         Foreign currency translation adjustments     </li> <li>Total comprehensive income - year ended December 31, 2016</li> <li>Transactions with owners - year ended December 31, 2016         Shares issued         Transfer     </li> </ul>	<u>\$</u>	416 - - - 1 - 1 1	\$ - - - 133	\$	- (455)	\$ 	9 637 - 9 637 - - - - 76 798	\$ 9 637 (455 9 182 134 -

		Share		Share	Т	ranslation		Other		Retained	_
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Total comprehensive income - year ended December 31, 2017											
Income for the period		-		-		-		-		4 475	4 475
Foreign currency translation adjustments		-		-		1 253		-		-	1 253
Total comprehensive income - year ended December 31, 2017		_		-		1 253		-		4 475	5 728
Transactions with owners - year ended December 31, 2017											
Shares issued		2		-		-		3		684	689
Dividends		-		-		-		-		(2 910)	(2 910
Share based payment expense		-		-		-		-		1 597	1 597
Transactions with owners - year ended December 31, 2017		2		-		-		3		(629)	(624
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						207	<u></u>	(0)			
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Equity at January 1, 2016 Total comprehensive income - year ended December 31, 2016 Loss for the period	Ş	416	Ş	- 76 665	Ş		<u> </u>	(9)	<u>\$</u>	(58 633) \$ 9 637	18 646 9 637
Total comprehensive income - year ended December 31, 2016	Ş	<u>416</u> - -	Ş	<u>76 665</u> - -	<u>Ş</u>		Ş		<u>\$</u>	, , , , , , , , , , , , , , , , , , ,	
Total comprehensive income - year ended December 31, 2016 Loss for the period	<u>\$</u>	<u>416</u> - - -	Ş	76 665 - - -	Ş	-	<u> </u>	_	\$	, , , , , , , , , , , , , , , , , , ,	9 637
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