

ADVA Optical Networking Investor Presentation

Q1 2017

Disclaimer

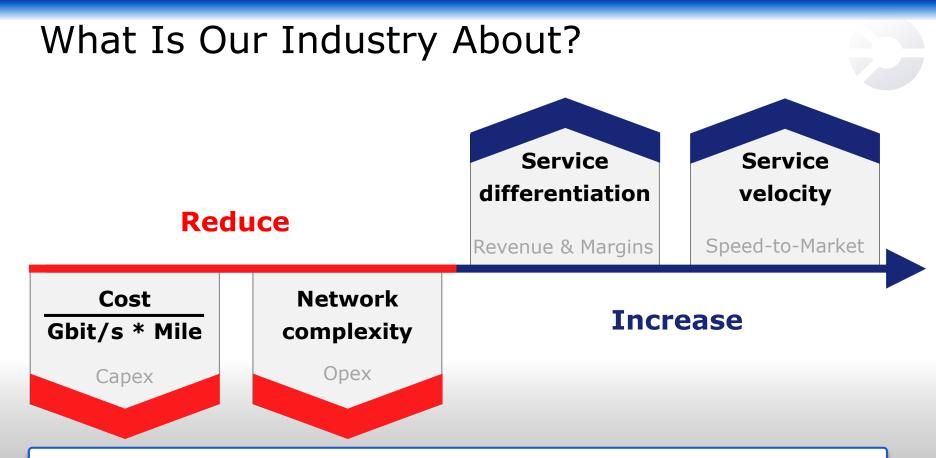
FORWARD-LOOKING STATEMENTS

This presentation contains forward-looking statements with words such as "believes", "anticipates" and "expects" to describe expected revenues and earnings, anticipated demand for optical networking solutions, internal estimates and liquidity. These forward-looking statements involve a number of unknown risks, uncertainties and other factors that could cause actual results to differ materially. Unknown risks, uncertainties and other factors are discussed in the 'risk report' section of ADVA Optical Networking's annual report 2016.

CONSOLIDATED PRO FORMA FINANCIAL RESULTS

ADVA Optical Networking provides consolidated pro forma financial results in this presentation solely as supplemental financial information to help investors and the financial community make meaningful comparisons of ADVA Optical Networking's operating results from one financial period to another. ADVA Optical Networking believes that these pro forma consolidated financial results are helpful because they exclude non-cash charges related to stock compensation programs and amortization and impairment of goodwill and acquisition-related intangible assets, which are not reflective of the Group's operating results for the period presented. This pro forma information is not prepared in accordance with IFRS and should not be considered a substitute for historical information presented in accordance with IFRS.





Satisfying the bandwidth demand of the digital society



Our History

Foundation of the company	Going public • FSE: ADV		in North America	• •	>1500 employe Revenue >USD Award winning	500 million
1994 19	99 2000	2006	2010	2013	2016	2020
First product • Metro-WDM for enterprise DCI	Adding Ethernet • First fiber-based Ethernet services	 Optica 	expansion I+Ethernet rk automation	that he was a second	Strategic acc • Synchronis • Software a	

Going global

Open connectivity solutions for a connected world



Scaling the business

1 500

ADVA Optical Networking Today

Our NUMBERS €566.7 million revenue¹ 1,764 employees²

Our CUSTOMERS

Hundreds of carriers Thousands of enterprises

Our LEADERSHIP

#1 DCI³ enterprise#1 DCI³ metro ICP/CNP*#2 Network synchronization⁴



* Internet Content Provider and Carrier Neutral Provider

Network innovator – Speed for customers – Trusted partner

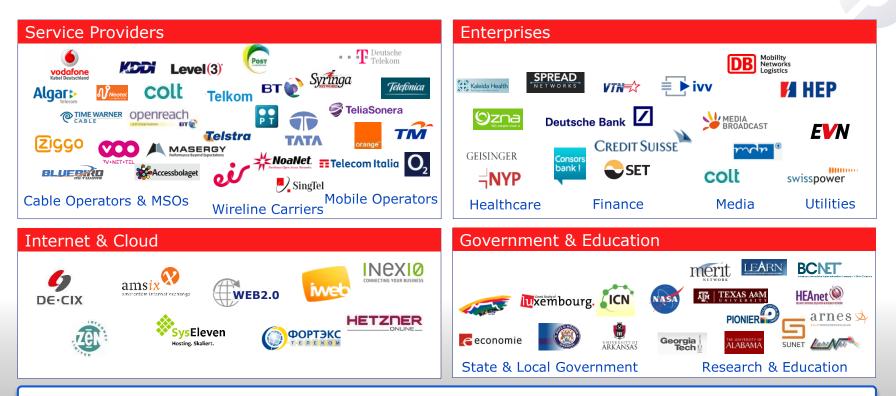
1) Annual 2016 IFRS; 2) Dec 31, 2016; 3) Data Center Interconnect - Source: Ovum;

4) ADVA Optical Networking internal estimates

Optical Networking

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Our Broad Customer Base



Global success with open connectivity solutions



The Nature of Connectivity Has Changed

Cloud

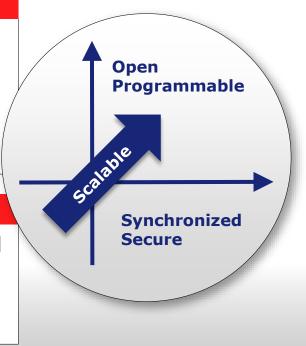
Data centers (DCs) define networking demand

- Distributed DC architectures emerge \rightarrow Hyper-scale, macro and micro DCs
- Demand becomes unpredictable \rightarrow Networks must be more agile
- Over-the-Top (OTT) services challenge existing network services
- New operational models \rightarrow Closer integration with compute & storage (SDN)
- Faster service creation and delivery \rightarrow Programmable services (NFV)

Mobility

Cloud service adoption drives mobile broadband demand

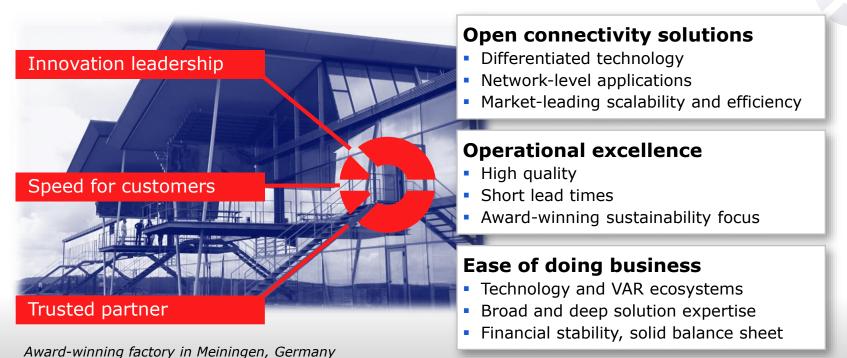
- Better spectrum utilization \rightarrow Radio head densification (small cells, C-RAN)
- RAN virtualization \rightarrow Edge DC with low-latency optical connectivity + NFV
- LTE-A and 5G \rightarrow Network-based frequency and phase synchronization



Cloud and mobility are transforming the network, driving new business models



Our Strategy



Enabling our customers to deliver differentiated cloud-based services

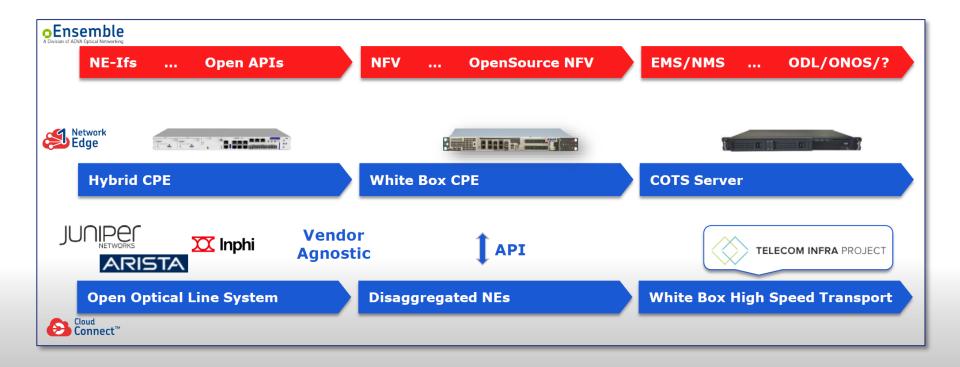


Networking Growth Drivers **Cloud & Mobility Web-Scale Network Builds** ... reshape optical networks around the data center paradigm **UHD Video** ... promises incremental revenue for communication service providers **RAN Extension** Centralizing RAN architectures (4G+/5G) will drive more ON bandwidth, incl. fronthaul **Cloud Services** AWS and Microsoft Commercial Cloud are now exceeding an annualized \$20bn run rate

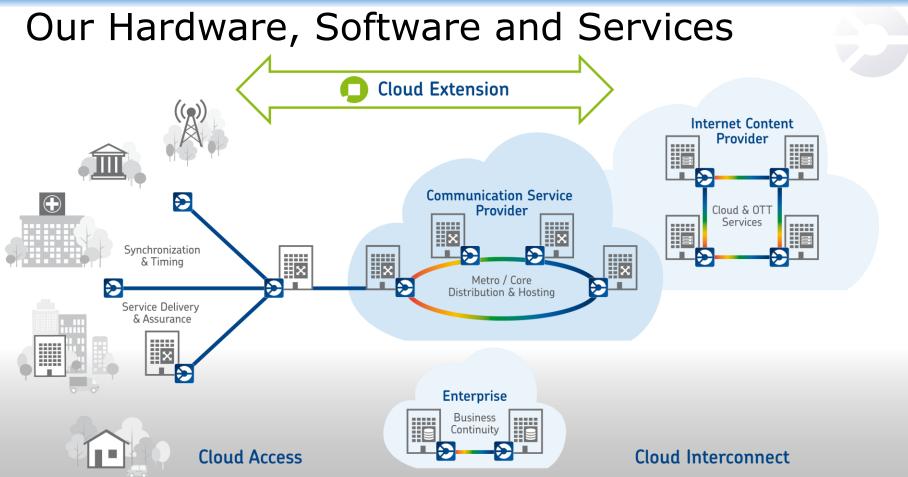
The optical networking (ON) market is on track to reach \$18bn by 2020*

* Ovum Market Share Report 3Q16, published Jan 2017

Embracing an Open World

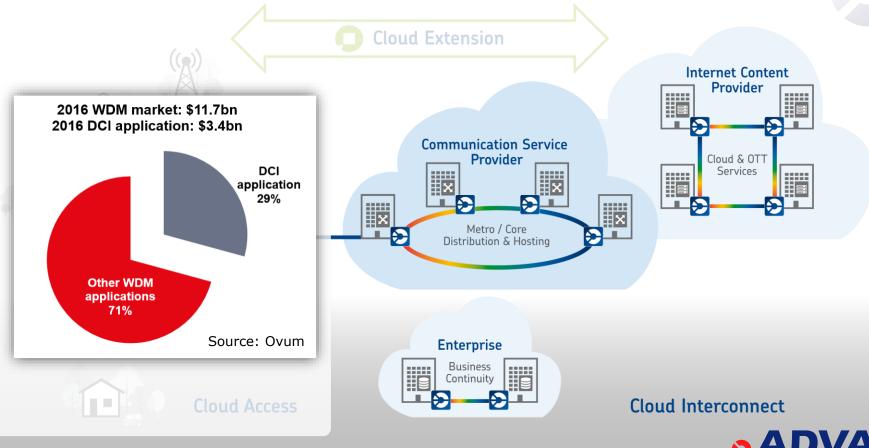




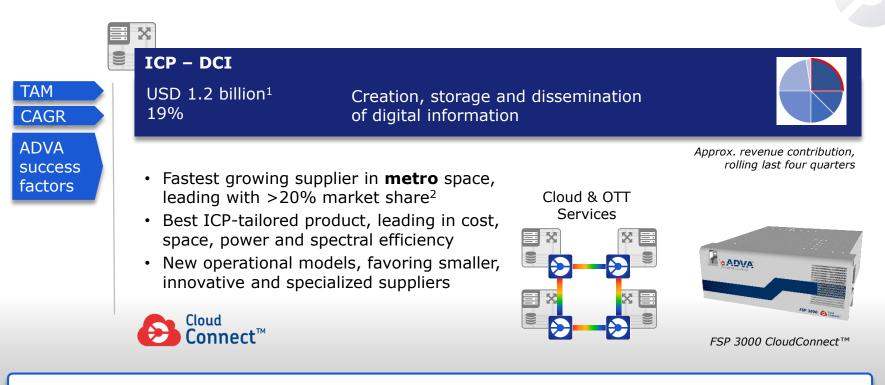




Market Opportunity: WDM



Internet Content Providers (ICPs)

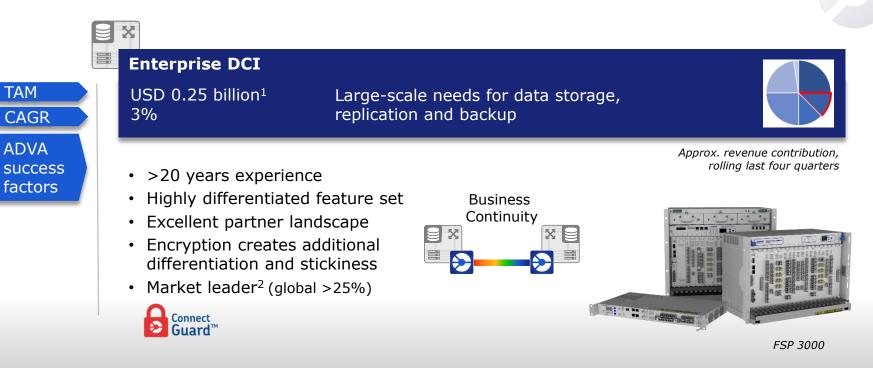


Public cloud: content and X-as-a-service for the digital age

1) Estimated 2016 market size and 5yr CAGR; Source: Ovum, 2016-21 Global Data Center Interconnect Forecast, published January 2017 2) 3Q 2016 market share (4Q rolling); Source: Ovum Market Share Report DCI published Dec 2016



Private Enterprise Networks



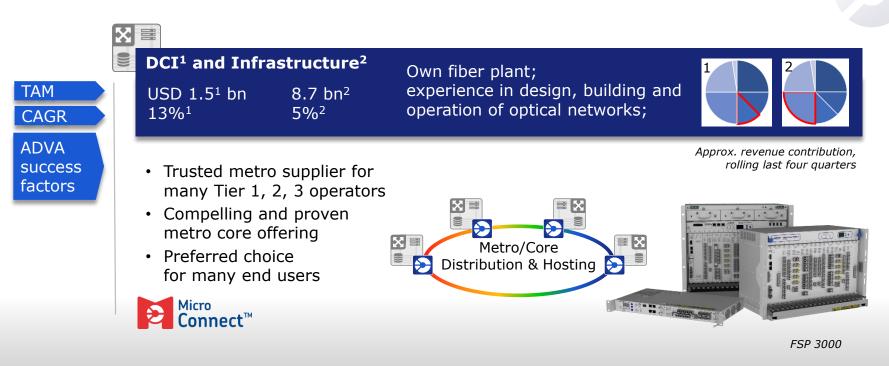
Private cloud infrastructure – security for mission critical data and applications

1) Estimated 2016 market size and 5yr CAGR; Source: Ovum, 2016-21 Global Data Center Interconnect Forecast, published January 2017 2) 3Q 2016 market share (4Q rolling); Source: Ovum Market Share Report DCI published Dec 2016



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Communication Service Providers (CSP)

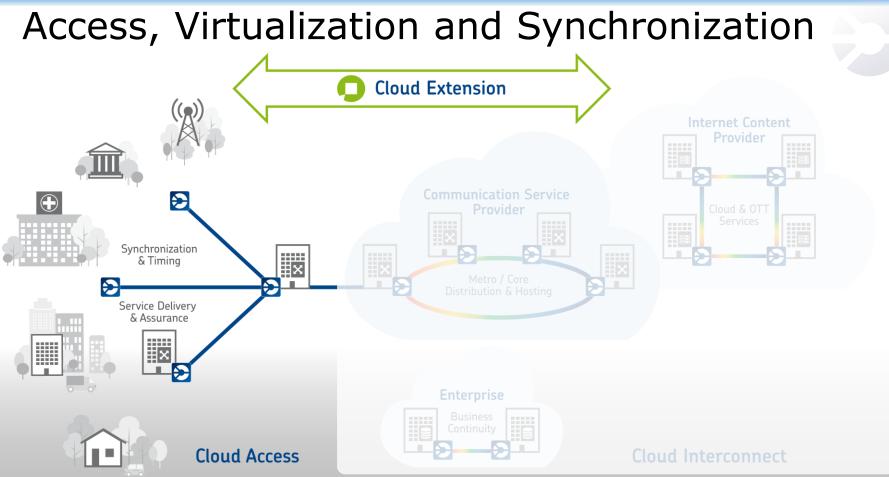


Investment cycle coming to the metro core

1) Estimated 2016 market size and 5yr CAGR; Source: Ovum, 2016-21 Global Data Center Interconnect Forecast, published January 2017 2) Estimated 2016 market size and 5yr CAGR; Source: Ovum, 2016-21 Optical Networks Forecast, published January 2017



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CSP Access

Communication Service Providers – (Ethernet) Access

USD ~ 0.9 billion¹ 11%

Business Ethernet, wholesale and mobile backhaul services

- Most comprehensive portfolio in the market
- Security suite
- Future-proof (NFV-optimized)
- 15 years experience



Approx. revenue contribution,

rolling last four quarters



FSP 150

Upgrade cycle at the network edge to simplify and future-proof cloud access

1) Estimated 2016 market size and 5yr CAGR for access switching & routing; Source: Ovum, Service Provider Switching & Routing Forecast, published January 2017



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TAM

CAGR

ADVA

success

factors

CSP – Network Function Virtualization

Communication Service Providers – NFV

TAM CAGR

ADVA success factors

 Shift towards software-driven service creation and delivery (VNF)¹

Delivering differentiated services

- Tapping into layer 3 access and edge routing market
- Most comprehensive NFV architecture providing choice of hardware, software and location
- New strategic division with experience and market credibility

virtual network function
 virtual customer premise equipment

"Service providers globally will spend over \$1.5B in 2020 to deploy vCPE² use case services"

NFV Report, IHS Markit, 2016

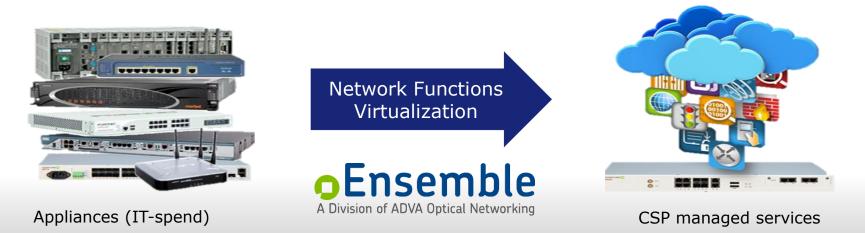


Turning enterprise IT-spend into service provider revenue



What Is Ensemble Virtualization?

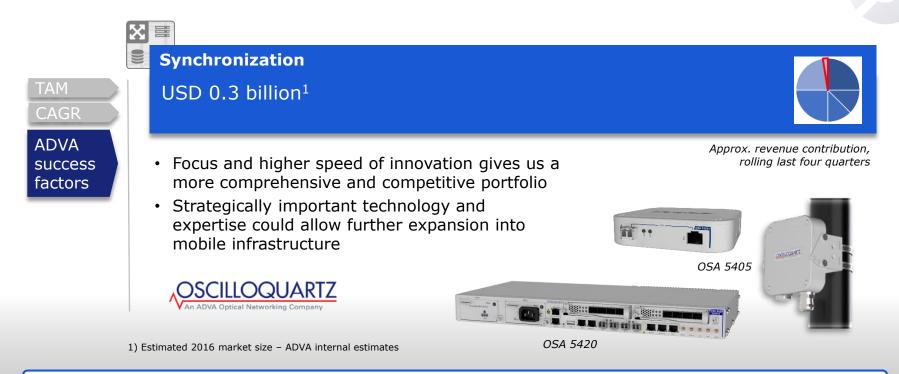
Ensemble enables users to realize the benefits of the cloud by **replacing closed appliances** with their **choice of software** that can be **hosted anywhere** in the network on their **choice of open hardware**.



More than 20 active customer engagements with carriers around the globe



Network Synchronization



Precise timing for 4G+ and 5G mobile networks



Our Innovation Overview

One Network Edge Connecting the Cloud Streamline high-value service Open and secure Network Terascale connectivity delivery Edge Cloud Connect[™] **Network Virtualization** Simplified Ensemble Deploy, operationalize and monetize NFV at scale Micro Connect™ **Delivering Assured** CILLOQUARTZ **Precision Timing** Scaling the Cloud Accurate and scalable time Flexible metro core and frequency synchronization infrastructure

Connecting, extending and assuring the cloud



Our Partners





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Financial Performance





Annual IFRS Revenues and Pro Forma Profitability

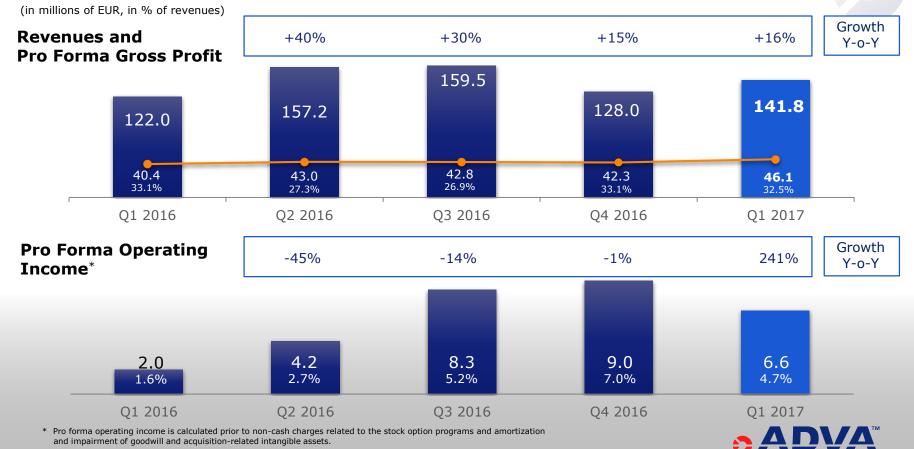
(in millions of EUR, in % of revenues)



* Pro forma operating income is calculated prior to non-cash charges related to the stock option programs and amortization and impairment of goodwill and acquisition-related intangible assets.



Quarterly IFRS Revenues and Pro Forma Profitability



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IFRS Profitability

		201	6		2017
EUR Million	Q1	Q2	Q3	Q4	Q1
Pro Forma Operating Income	2.0	4.2	8.3	9.0	6.6
	(1.6%)	(2.7%)	(5.2%)	(7.0%)	(4.7%)
Operating Income	1.0	3.1	7.2	8.1	5.5
	(0.8%)	(2.0%)	(4.5%)	(6.3%)	(3.9%)
Net Income	-5.2	9.8	3.3	13.6	6.2
	(-4.2%)	(6.2%)	(2.0%)	(10.6%)	(4.4%)
Diluted EPS in EUR	-0.10	0.20	0.07	0.27	0.12

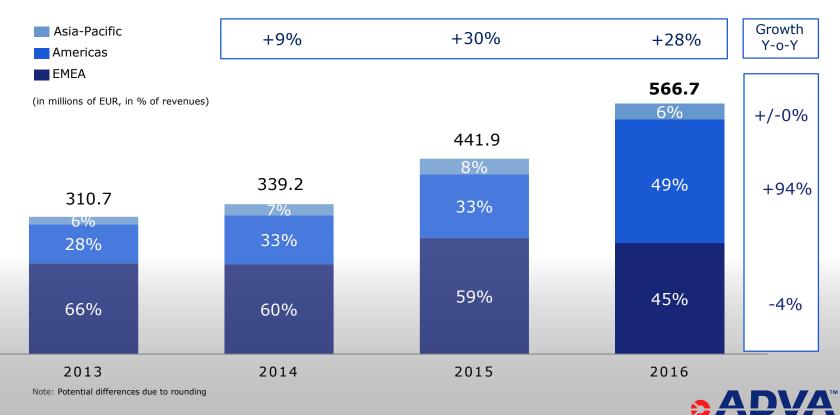
Margins, in % of Revenues



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Annual Revenues Per Region

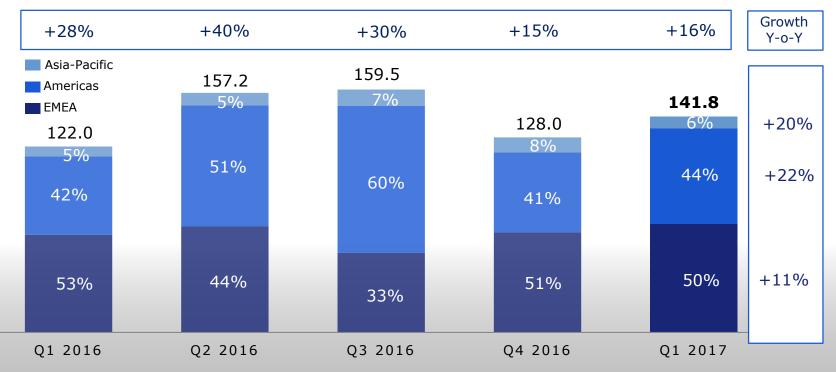
(in millions of EUR, in % of revenues)



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Quarterly Revenues Per Region

(in millions of EUR, in % of revenues)

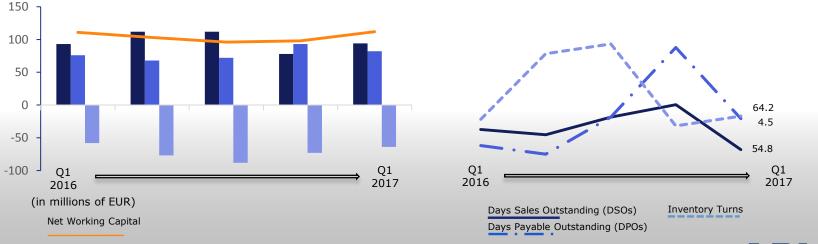


Note: Potential differences due to rounding

Optical Networking

IFRS Balance Sheet

Assets	Dec. 31 2016	Mar. 31 2017	Equity & liabilities	Dec. 31 2016	Mar. 31 2017
Cash & cash equivalents	84.9	69.7	Accounts payable	73.3	64.0
Accounts receivable	78.5	94.1	Financial liabilities	59.4	54.7
Inventories	92.8	81.7	Other liabilities	96.3	100.6
Other assets	211.7	218.3	Equity	238.9	244.5
Total	467.9	463.8	Total	467.9	463.8
Net Liquidity	25.5	15.0			



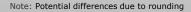


IFRS Consolidated Cash Flow Statement

	2016		2017		
EUR million	Q1	Q2	Q3	Q4	Q1
Net cash provided by operating activities	2.0	22.4	15.7	21.2	5.6
Net cash used for investing activities	-42.9	-11.4	-15.5	-16.6	-15.8
Net cash provided by (used for) financing activities	21.0	-1.9	-1.7	-1.7	-5.0
Net effect of foreign currency translation	-0.6	0	0.2	0.7	0.0
Net change in cash and cash equivalents	-20.5	9.1	-1.3	3.6	-15.2
Cash and cash equivalents					
at beginning of period	93.9	73.4	82.5	81.2	84.9
at end of period	73.4	82.5	81.2	84.9	69.7
Free cash flow*	-0.6	19.0	11.8	16.4	0.4

* Free cash flow = Net cash provided by operating activities

./. capital expenditures for property, plant and equipment, finance leases and intangible assets not related to development activities.



Cash and Net Liquidity



Seasonal drop in Q1 2017, but 5.6m increase in Net Liquidity year-over-year



Investor Relations Overview (I/II)

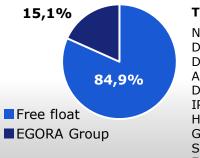
Recent Investor Activities

Investor Meetings: MWC Barcelona in February OFC, Los Angeles in March Capital Lounge Munich in April

Roadshows: Copenhagen and Helsinki in February London and Zurich in March

Stockholder Structure

Status: March 31, 2017: 49,498,934 shares outstanding



σp	10	Investors*

4,6% 4,0%
3,0%
3,0%
2,3%
1,5%
1,2%
1,2%
1,2%
1,2%

Planned Investor Activities

Conferences and Roadshows:

Oddo Nextcap Forum in Paris in May Jefferies Conference in Miami in May Roadshow in Frankfurt in May

Annual General Meeting: May 17, 2017 in Meiningen

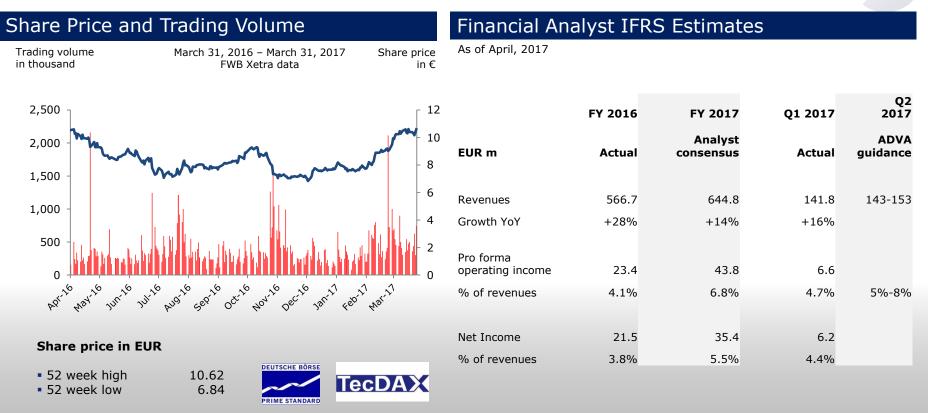
Financial Analyst Coverage

As of April 27, 2017	Recommendation/	Last	Last	
	price target	update	change	
Oddo Seydler Bank	Buy (€12.50)	Apr 19, 17	(€12.50)	
Hauck & Aufhäuser	Buy (€13.00)	Apr 24, 17	(€13.00)	
LBBW	Buy (€ 9.75)	Feb 15, 17	(€9.75)	
Northland Capital Markets	s Buy(€13.00)	Oct 28, 16	(€15.00)	
Deutsche Bank	Hold (€9.60)	Apr 11, 17	(€7.60)	
Ø	€ 11.57			



*Sources: Insight Nasdaq; Hauck&Aufhäuser; ADVA

Investor Relations Overview (II/II)





Guidance Q2 2017

- Revenues between EUR 143 million and EUR 153 million
- Pro forma operating margin between 5% and 8% of revenues*
- ADVA Optical Networking will continue to perform detailed quarterly reviews of the expected business development in respect of all intangible assets, including capitalized research and development expenses; in case of highly adverse business prospects, these reviews may result in noncash impairment charges.

Excluding any potential impairment charges.





Thank You

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