ADVA open edge networking

Solutions for a digital future

Investor presentation, November 2022



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 2021.

CONSOLIDATED PRO FORMA FINANCIAL RESULTS

ADVA 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's operating results from one financial period to another. ADVA 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.





Company overview

Mission, vision, customers and products



Transforming our business Statement from the CEO

"With our investments in recent years, we have created the foundation for transforming our business model.

This transformation includes growing revenue contributions from software and services, expansion into new industries and further verticalization of our business."



Digitization is bringing the investment focus to us



ADVA fundamentals



Background

- Headquartered in Munich, Germany
- Approximately 1,900 employees
- EUR 0.6 billion annual turnover

Our vision



We love to work with highly innovative people to connect the world and drive change, success and value. In an increasingly digital environment, our networking technologies enable those who are solving the world's most critical challenges

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Our mission

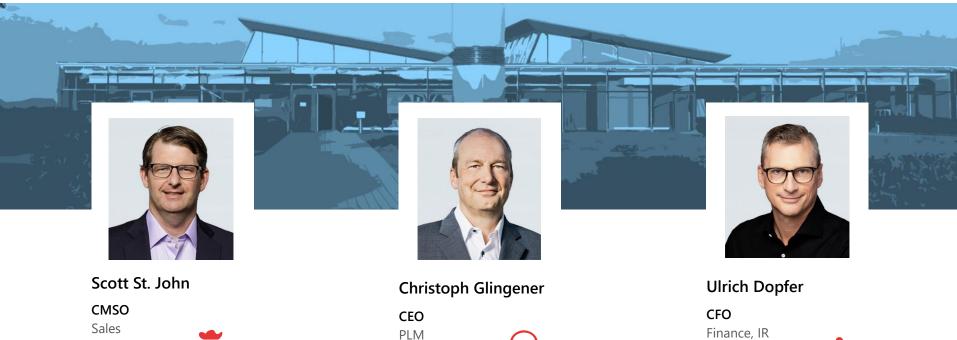
Our mission is to be an innovation leader focused on our customers' experience by building better networking solutions Atlanta Richardson Neuchâtel York Meiningen Munich Gdynia



We build the technology that helps to create a connected world



The executive team



Services Marketing



PLM Development Global BD



e, IR

Legal

IT

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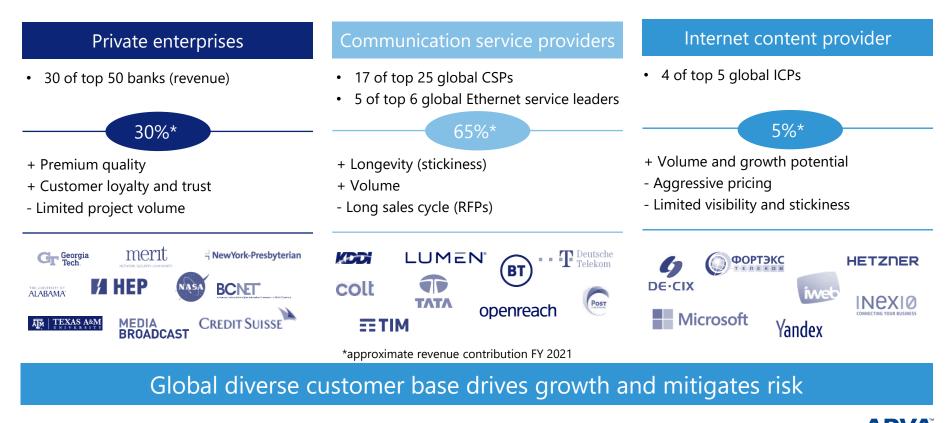
The ADVA brand promise



Enabling our customers to capitalize on cloud and mobility



Serving network operators around the world



Our partners



... and many more driven by real-world customer deployments



... and many more Connect+ and Connect partners



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ADVA's technology tripod

Cloud interconnect



Cloud access



Network synchronization



70% of revenues

Private enterprises: Business continuity and disaster recovery

Internet content provider: (Hyperscale) DCI

Communication service provider: Metro and edge upgrade for IoT, 5G and cloud services

25% of revenues

Private enterprises: Secure cloud access and SD-WAN

Internet content provider: Edge cloud

Communication service provider: Zero-touch service delivery and assurance

5% of revenues

Private enterprises: Timing for critical infrastructure MiFID II financial time stamping

Internet content provider: Global database synchronization

Communication service provider: Next-gen mobile (5G)

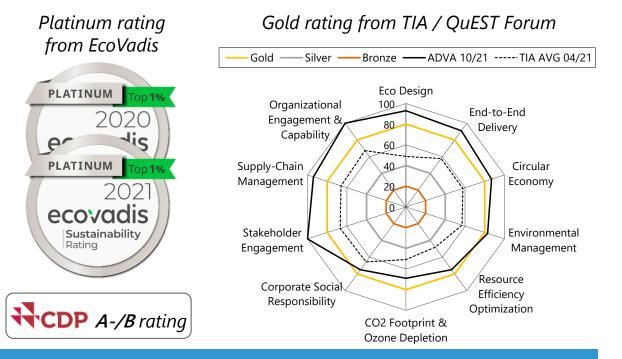


Overall sustainability approach and ratings

Holistic approach

- Covering all sustainability aspects
- Science-based emissions targets (SBTi 1.5°C targets)
- Process-based product ecodesign and lifecycle assessments
- Optimization of operations, logistics and all packaging
- ISO 50001 and ISO 14001
- Supply-chain engagement
- Circular-economy processes

External ratings



Top ratings for a holistic sustainability approach



Growth and profitability



Positive macro dynamics First-class customers and partners Strong products and technology alignment

Excellent team and patent portfolio



Accelerating cash generation

Innovative solutions for a digital future





Market dynamics

Growth drivers, competitive landscape



Market growth drivers

Enterprise transformation

- Investment in new technologies to stay relevant and lead the transformation and digitization of society
- Security is of highest importance

Moving to the cloud

- Video, video, video!
- Terascale DCI*
- Secure cloud access
- Virtualized service creation
- Edge cloud investments

5G and IoT

- New fronthaul, backhaul and timing investments
- Edge compute resources inside the network expand rapidly
- Open wholesale models prevail

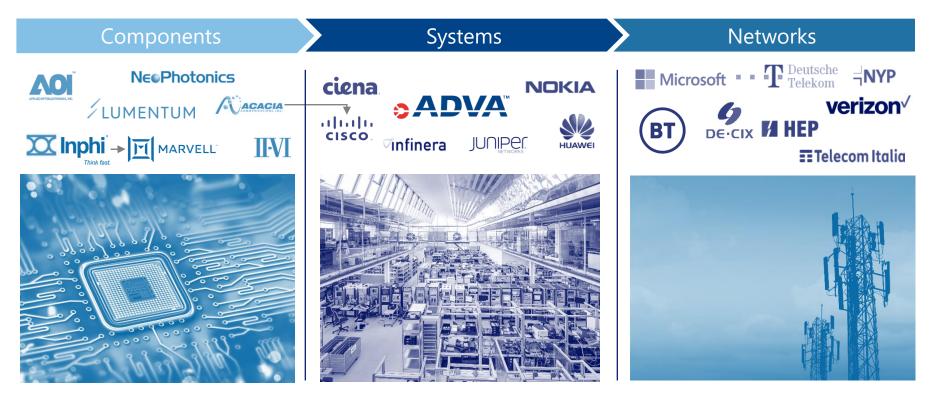


Megatrends drive investment focus to the edge, where ADVA performs best

*data center interconnect



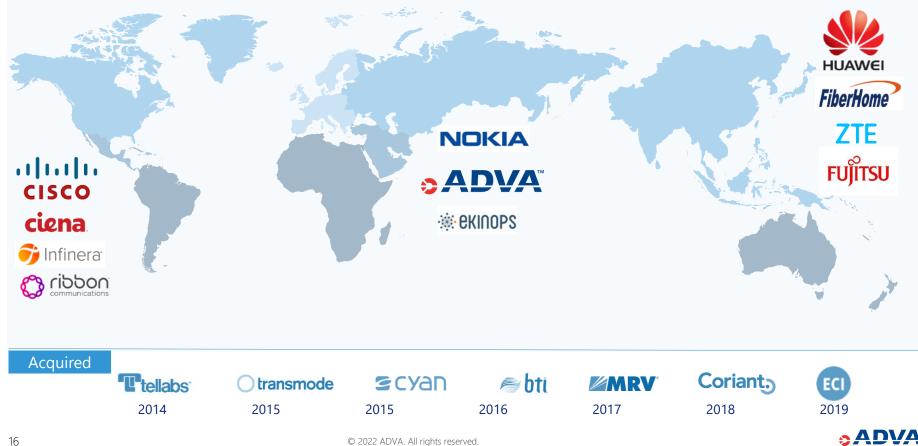
Networking industry – a consolidating ecosystem



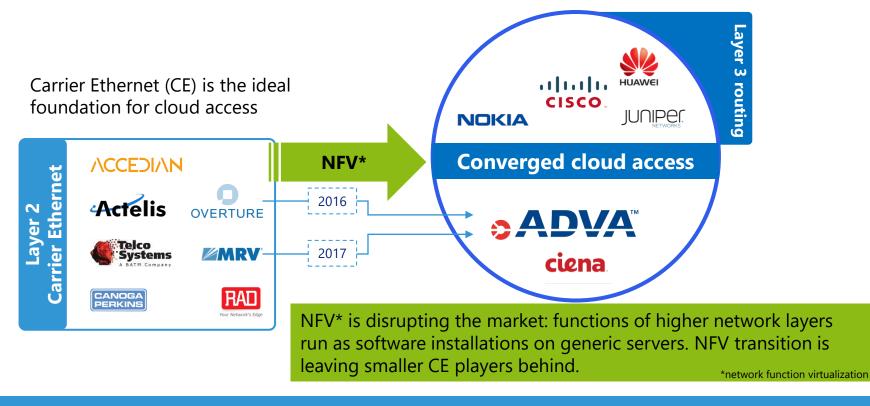
Production floor ADVA, Meiningen, Germany



Systems suppliers in times of deglobalization



Technology convergence at the network edge



Network layers 2 and 3 in the access are converging leading to TAM expansion



New market dynamics and opportunity expansion

Macro dynamics ...

- Pandemic accelerates digitalization
- Deglobalization impacts vendor selection
- Industry consolidation reduces choice

... have shifted the baseline

- Network infrastructure transitions from cheap commodity to strategic asset
- Government stimulus favors trusted suppliers
- Few remaining western suppliers that are profitable and have required credentials

Macroenvironment provides positive tailwinds for ADVA

Market share data – ADVA highlights

Optical networking ¹		SP access switching and	
	Data center interconnect ²	Carrier Ethernet demarcation ³	
Access WDM, EMEA (12%)	(17%) Enterprise, global (37%)	(1) EMEA (44%)	
Metro WDM,	(1) Enterprise, EMEA (58%)		
EMEA (15%)	2 Enterprise, NA (25%)	2 Global (20%)	
3 Purpose built DCI,	(2) Government & R&E		
EMEA (18%)	EMEA (29%)		
1) Omdia, Optical networking Q2 2022, October 2022	2) Omdia, Data center interconnect Q2 2022, October 2022	3) Omdia, Service provider access switching and Carrier Ethernet demarcation, Q2 2022, publ. October 2022	

All numbers rolling four quarters

Innovation leadership and strength in growth markets



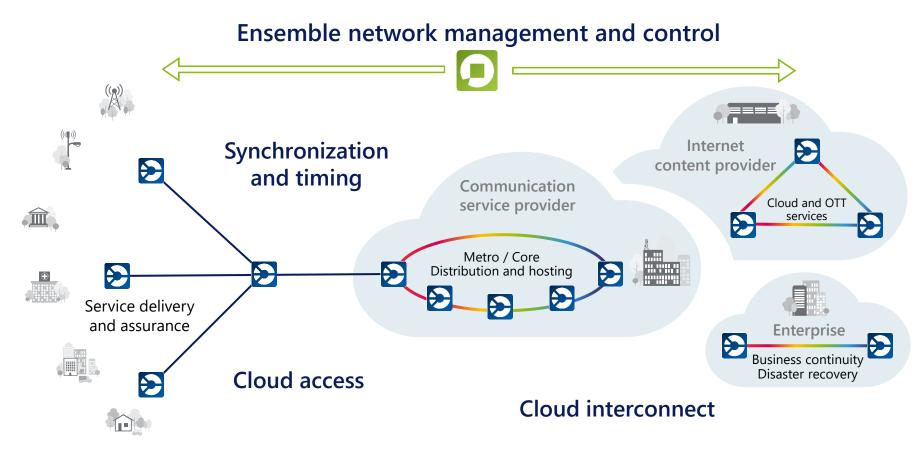


Technology

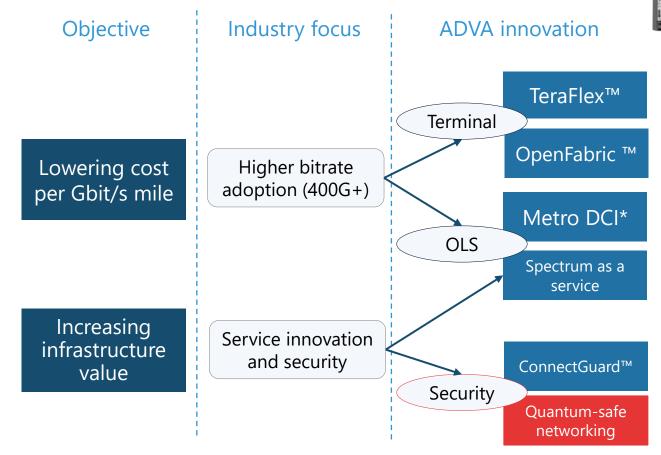
Products and solutions



ADVA solutions overview



Cloud interconnect overview





Open terminal with highest data rates (1200G)

Efficient Terabit traffic grooming

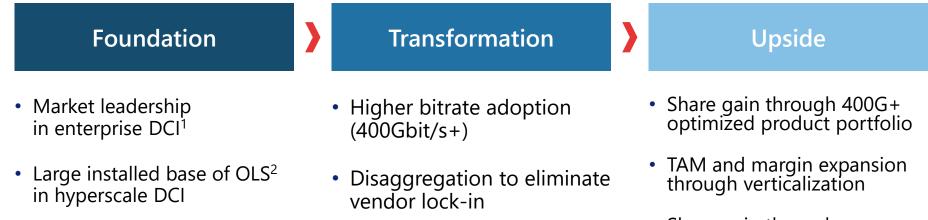
Industry-leading open line system, empowering new services

Industry-leading encryption technology



Cloud interconnect dynamics

Open optical networking solutions



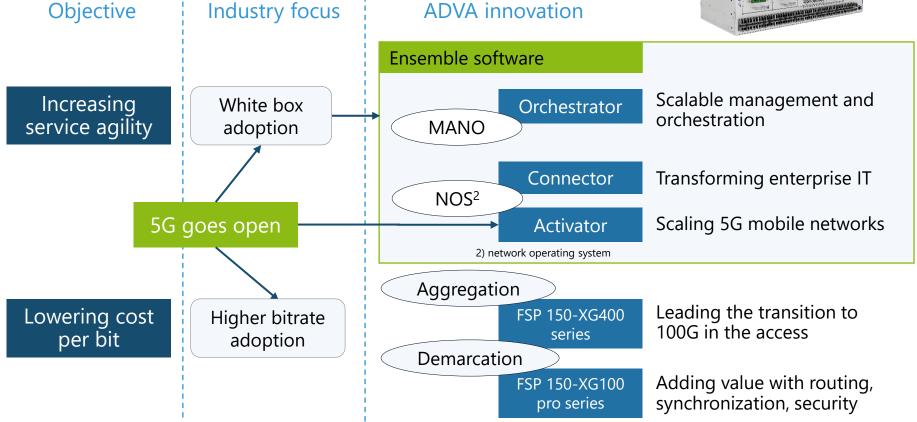
- Proven track record with global tier 1 / tier 2 customer base
- Stringent security and encryption requirements
- Share gain through leadership in post quantum security

1) >35% global, >55% in EMEA; Source: Omdia, market share 2Q2022 (rolling four quarters) optical networks global and data center interconnect, publ. October 2022 2) open line system

Delivering scalable bandwidth for a digital future

Cloud access overview





Cloud access dynamics

Empowering the network edge

Foundation

Transformation

Upside

- Market leadership in Carrier Ethernet (CE) access¹
- Differentiated portfolio for 100G aggregation
- Technology leadership in NFVi²

- Transition to 10/100G in access and backhaul
- Collapsing multiple hardware appliances through NFV
- White box adoption in mobile networks and edge cloud

- Share gain in consolidated CE vendor landscape
- Growing from switching into higher-value routing layer
- TAM expansion and software revenues through NOS³-leadership

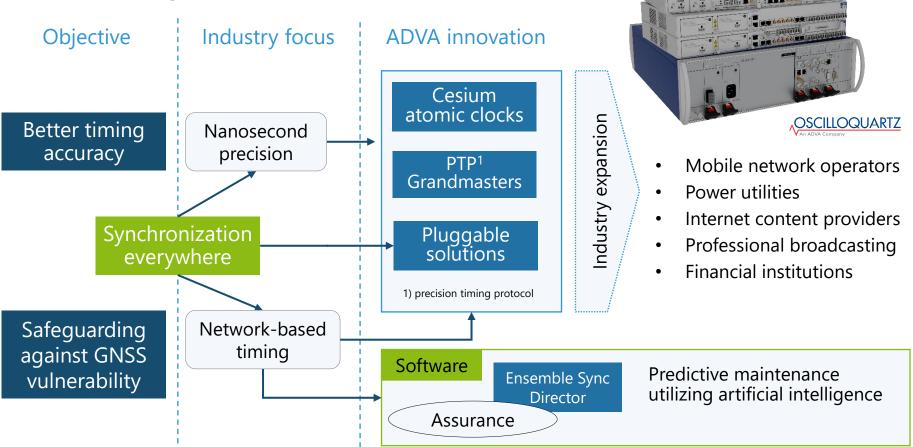
20% global, 44% in EMEA; Omdia, market share 2Q2022, SP access switching & Ethernet demarcation, publ. October 2022
Network function virtualization infrastructure; Harmony ecosystem with >50 VNFs and a wide range of hardware choices

3) network operating system

Programmable edge cloud solutions for mobile networks, business access and IoT



Network synchronization



Network synchronization dynamics

Foundation

Technology leadership in network-based timing

- Consistently high win rates leading to impressive list of MNO¹ customers
- Three-year CAGR >25%

1) Mobile network operators

Transformation

Upside

- Ever more stringent timing requirements with submicrosecond accuracy
- Weakening competitors
- Security concerns²

2) Vulnerability of satellite-based timing increasingly problematic

Accelerating 5G rollouts

- New market verticals including energy, finance, broadcasting
- PNT³ alternatives

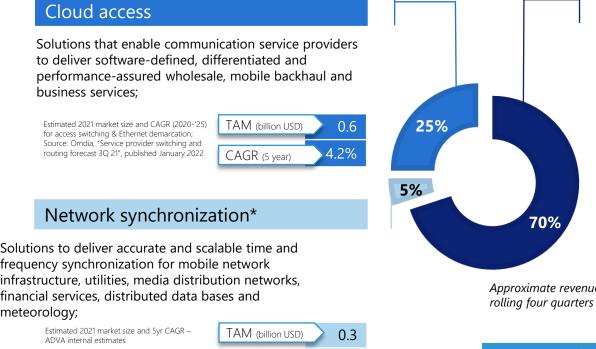
The world needs better timing – network-based and assured



³⁾ Position navigation timing

Product portfolio overview

CAGR (5 year)



5%

*2021 revenue contribution >6% ADVA revenue CAGR > 25%

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Cloud interconnect

Solutions that deliver scalable bandwidth for access. metro and long-haul networks; high levels of open interworking, programmability and ease-of-use;

	Metro	Long Haul
TAM (billion USD)	5.8	4.0
CAGR (5 year)	3.9%	1.5%

Estimated 2021 market size and CAGR (2020-'2025) for metro and long haul WDM excl China: Source: Omdia "Optical networks forecast 2021-2026" published June 2021

Approximate revenue contribution

Growth rates are highest in segments where ADVA performs best

Transformation

... to higher margin business

Business transformation

Value		Verticalization Optical sub-modules \rightarrow 15%
		SW & Services → 30%
Acquisitions and high R&D invest		New applications Non-telco → 40%
Innovation	Cost control	Transformation
2014 – 2018	2019 – 2020	2021 - 2023

Leveraging our investments of the last years to a higher margin model

Transformation has started to support our financials

Verticalization

MicroMux[™] family expansion

SW & Services

Accelerating growth $23\% \rightarrow 25\%$ (2021)

New applications Oscilloquartz CAGR >25% Government wins Enterprise IT



Driving operating results to new levels

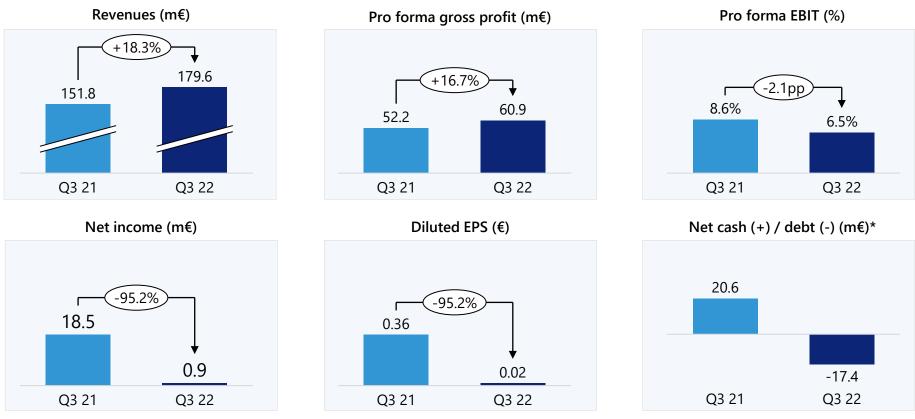


Financials

Overview



Q3 2022 key financials



*Note: Net cash Q3 2022 includes EUR 23.4 million lease liabilities due to IFRS 16 (Q3 2021: EUR 24.6 million)

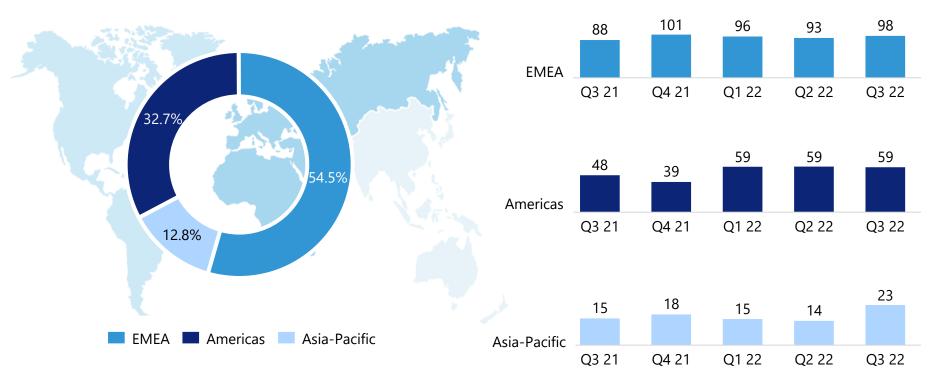


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Regional revenue development Q3 2022

Revenue split Q3 2022 (%)

Revenue development per region Q3 21 – Q3 22 (m€)

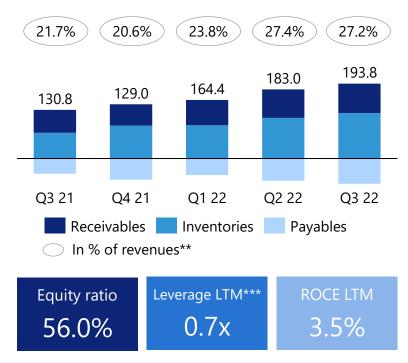


Cash flow and balance sheet

Cash flow breakdown (m€)*

	Q3		
	2021	2022	
Earnings before taxes	9.7	-3.3	
Depreciation & Amortization	17.5	17.0	
Increase (-) / decrease (+) in working capital	2.0	-11.6	
Increase (-) / decrease (+) in other items	-0.8	-1.5	
Operating cash flow	28.4	0.6	
R&D	-10.6	-10.4	
Other investing cash flow	-4.5	-7.2	
Investing cash flow	-15.1	-17.6	
	12.2	17.0	
Free cash flow	13.3	-17.0	
Gross cash end of period	100.5	61.4	
Net cash end of period	20.6	-17.4	

Working capital development (m€; %)

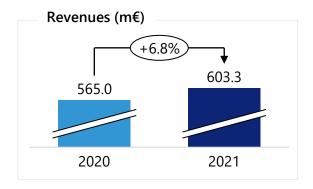


* Potential differences due to rounding

** Calculated on a quarterly basis

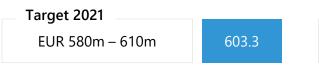
*** Leverage is calculated as total bank debt divided by EBITDA. EBITDA is calculated as operating income plus depreciation and amortization of non-current assets. Impacts from IFRS 16 are excluded from leverage calculation.

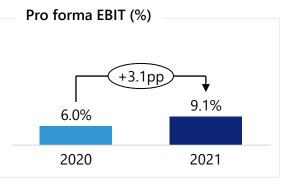
Financial year 2021 at a glance



Revenues increased +6.8% y-o-y ...

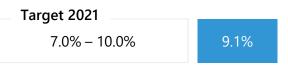
- Strong demand with record orderbacklogs
- Sequential growth of revenues despite supply chain challenges
- Growth driven by CSP's and enterprise customers





... with a margin at the upper end of guidance range

- Favourable customer and product mix with strict cost control helped to compensate for higher purchasing costs
- Pandemic driven less travel and marketing expenses



Net Cash (m€) -25.5 2020 2021

Net Cash significantly increased by EUR 61.7m y-o-y

- Free cash flow generation of EUR 59m (2020: EUR 38.8 m)
- Scheduled repayments of EUR 15m
- Very flexible balance sheet with a cash position EUR 109.0m

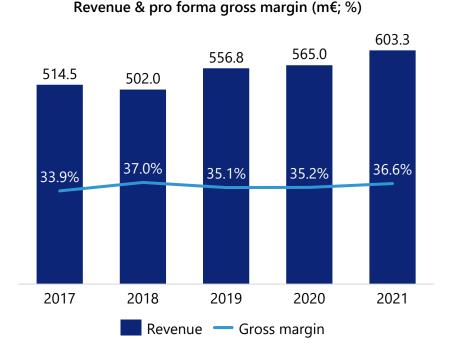
Target 2021

Net Debt to be in the single-digit million range



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Annual revenue and pro forma profitability

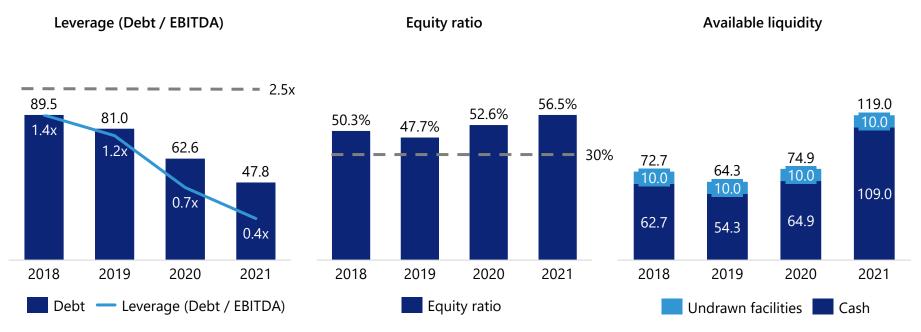


Pro forma EBIT & margin (m€; %)



* Pro forma EBIT is calculated prior to non-cash charges related to the stock compensation programs and amortization and impairment of goodwill and acquisitionrelated intangible assets. Additionally, non-recurring expenses related to M&A and restructuring measures are not included.

Financial policy – investment grade rating



Comments

- Conservative financial policy targets a Debt / EBITDA leverage ratio of max. 2.5x
- Low current leverage level of 0.4x
- Balanced repayment profile and future profit generation will lead to a strengthened balance sheet
- High equity ratio of 56.5% significant above target of 30%



Outlook FY 2022

Revenues (m€)

Pro forma EBIT (%)

680m – 730m 5% – 9%

Supported by:



Business transformation strategy successfully implemented Non-telco expansion – software & services – verticalization



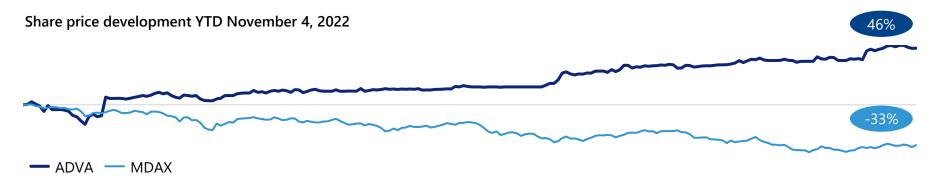
A unique investment cycle for communications networks Digitalization – government stimulus – network security



Technologies well aligned Cloud, mobility, 5G, automation and security for mission critical infrastructure



Investor relations overview



Analyst recommendations and consensus 2022 as of November 4, 2022

Institution	Revenues	EBIT PF	EBIT PF in %	Target Price	Rec.	Date
Oddo	701.800	39.600	5,6%	18,50	Neutral	26.10.2022
First Berlin	702.818	40.553	5,8%	21,00	Buy	03.05.2022
Kepler Cheuvreux	700.000	48.788	7,0%	14,98	Hold	07.07.2022
Northland	700.000	56.600	8,1%	20,00	Outperform	29.04.2022
Warburg	694.418	49.154	7,1%	17,93	Hold	28.07.2022
Average	699.807	46.939	6,7%	18,48		

Shareholder Structure as of November 4, 2022





Thank you

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