

# ANALYSTS CONFERENCE | ANNUAL REPORT 2021

MARCH 23, 2022

MARCO FUCHS, CEO

KURT MELCHING, CFO

DR. LUTZ BERTLING, CSDO/CDO

DANIELA SCHMIDT, CSO/CLO

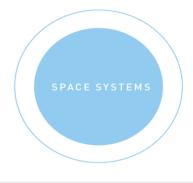
IRMGARD RUNKEL, MANAGING DIRECTOR – GEOSYSTEMS GMBH

CHIARA PEDERSOLI, MEMBER OF THE MANAGEMENT BOARD – OHB SYSTEM AG

## **NEW REPORTING STRUCTURE OF OHB SE**



#### FIRST FULL YEAR WITH THREE REPORTING SEGMENTS







OHB Italia S.p.A.

MT Aerospace AG

**Rocket Factory** Augsburg AG

Aerotech Peissenberg GmbH & Co. KG

Aerotech

Czech s.r.o.

AT ENGINE MEXICO

S.A.P.I. DE C.V.

Space s.r.o.

OHB Digital **Connect GmbH** Bremen, Mainz & Gelsdorf, Germany 100%

**OHB Digital** Services GmbH Bremen, Germany 74,9%

**GEOSYSTEMS GmbH** Germering, Germany 100%

Blue Horizon Sàrl Betzdorf, Luxembourg 100%

OHB COSMOS International GmbH Bremen, Germany

MT Aerospace Guvane S.A.S. Kourou, French Guiana

100%

OHB Infosys GmbH Bremen & Oberpfaffenhofen, Germany 100%

OHB Teledata GmbH Bremen & Oberpfaffenhofen, Germany 100%

OHB Chile SpA Santiago de Chile, Chile 100%

OHB Digital Solutions GmbH Graz, Austria 100%

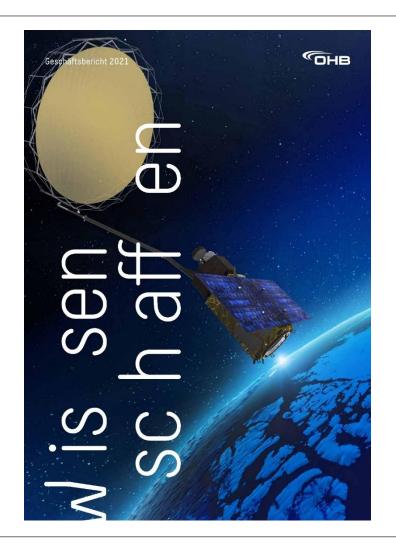
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## **ANNUAL REPORT 2021**

#### **KEY TAKE-AWAYS**



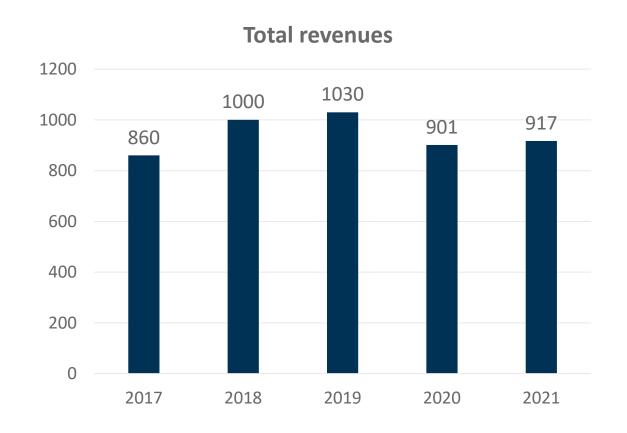
- Both profitability figures exceed guidance
  - EBITDA: EUR 84 million vs. EUR 80 million
  - EBIT: EUR 47 million vs. EUR 45 million
- EBIT-margin increased by 10 %, stands at 5.1 %
- Earnings per share at historic peak at EUR 1.58
- Dividend recommendation increased by 12 % at EUR 0.48 per share

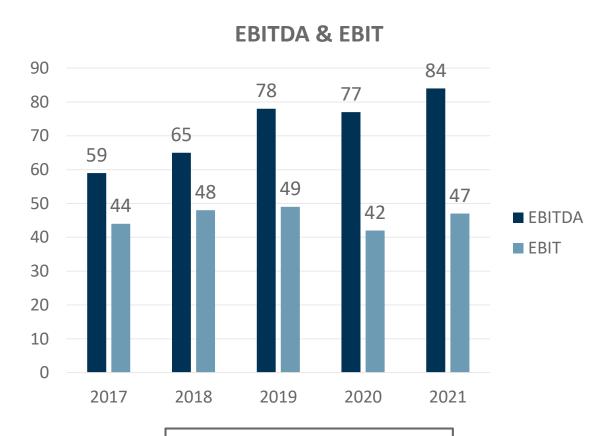


## DEVELOPMENT OF FINANCIAL RATIOS FOR THE GROUP



IN EUR MILLION





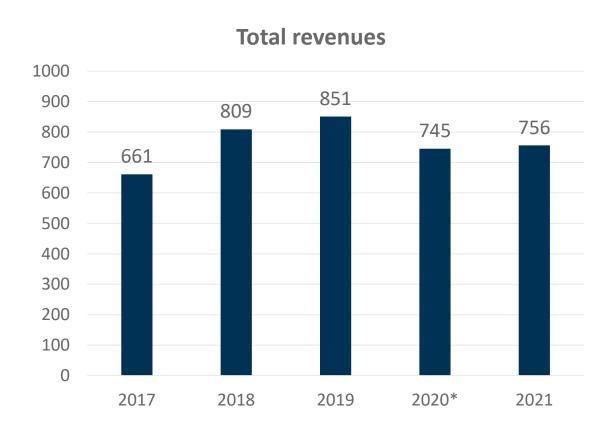
FY 2021

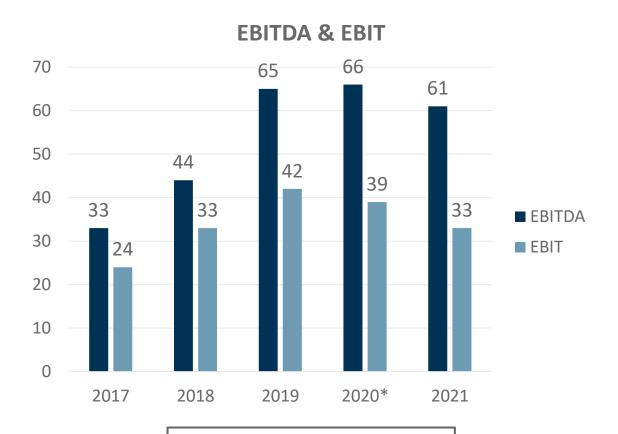
EBIT-margin: 5.1 % (2020: 4.6 %)

## **SPACE SYSTEMS**

#### IN EUR MILLION







FY 2021

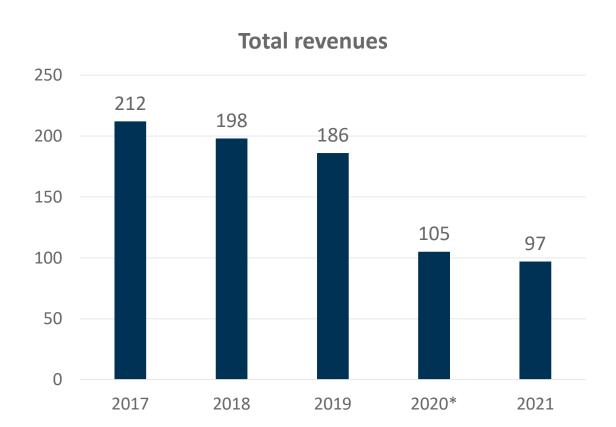
EBIT-margin: 4.4 % (2020\*: 5.2 %)

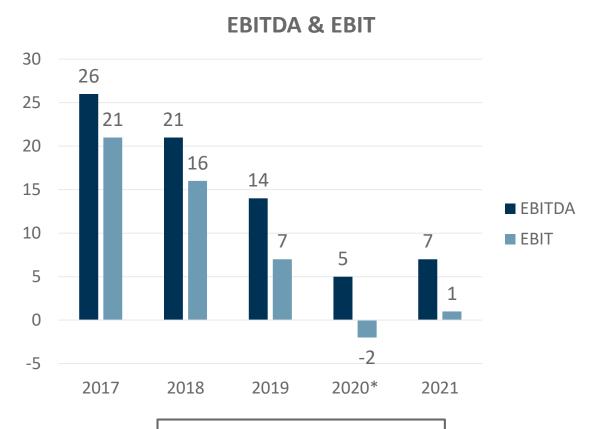
<sup>\*</sup> Pro-forma calculation due to the introduction of segment "DIGITAL"

## **AEROSPACE**

#### IN EUR MILLION







FY 2021

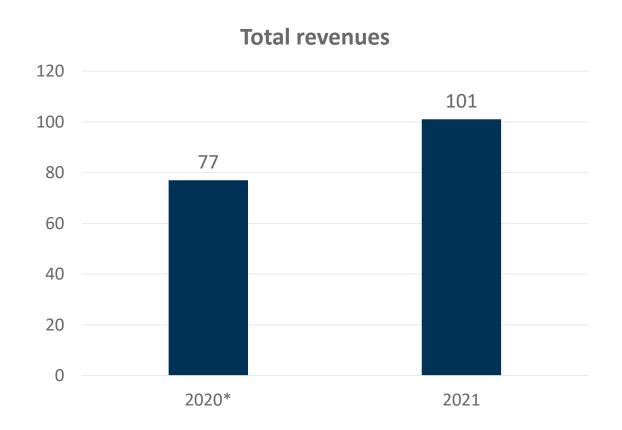
EBIT-margin: 0.5 % (2020\*: -2.1 %)

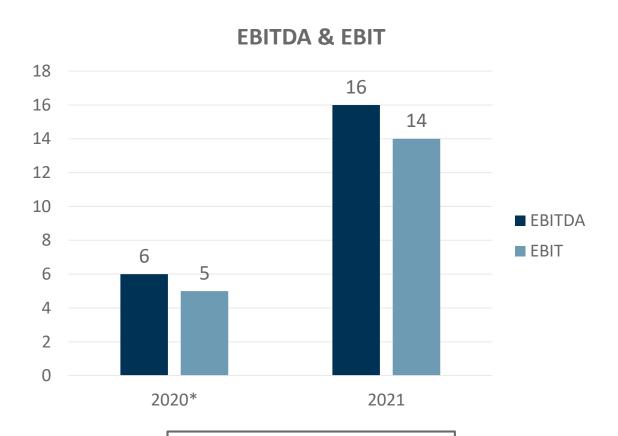
<sup>\*</sup> Pro-forma calculation due to the introduction of segment "DIGITAL"

## FIRST OFFICIAL REPORTING YEAR FOR SEGMENT DIGITAL



IN EUR MILLION





FY 2021

EBIT-margin: 13.9 % (2020\*: 5.9 %)

<sup>\*</sup> Pro-forma calculation due to the introduction of segment "DIGITAL"

## **ASSETS**

IN EUR 000



	December 31 2021	December 31 2020	Δ in %
Non-current assets	378,027	376,417	+0
Property, plant and equipment	104,679	97,210	+8
Rights of use from leasing agreements	52,433	57,214	-8
Other intangible assets	125,160	121,174	+3
Others	95,755	100,819	-5
Current assets	582,820	535,661	+9
Inventories	32,001	62,100	-48
Trade receivables	53,514	55,746	-4
Contract assets	382,168	310,438	+23
Cash and cash equivalents	96,618	91,968	+5
Others	18,519	15,409	+20
Total assets	960,847	912,078	+5

## SHAREHOLDER'S EQUITY AND LIABILITIES



IN EUR 000

	December 31 2021	December 31 2020	Δ in %
Equity	252,621	223,326	+13
Non-current liabilities and provisions	250,375	252,415	-1
Provisions for pensions	104,255	110,964	-6
Leasing liabilities	42,677	46,125	-7
Deferred tax liabilities	52,254	44,492	+17
Others	51,189	50,834	+1
Current liabilities	457,851	436,337	+5
Trade payables	85,426	104,525	-18
Contract liabilities	87,961	143,114	-39
Current financial liabilities	145,867	93,120	+57
Others	138,597	95,578	+45
Total liabilities	960,847	912,078	+5

## **FINANCIAL RATIOS**

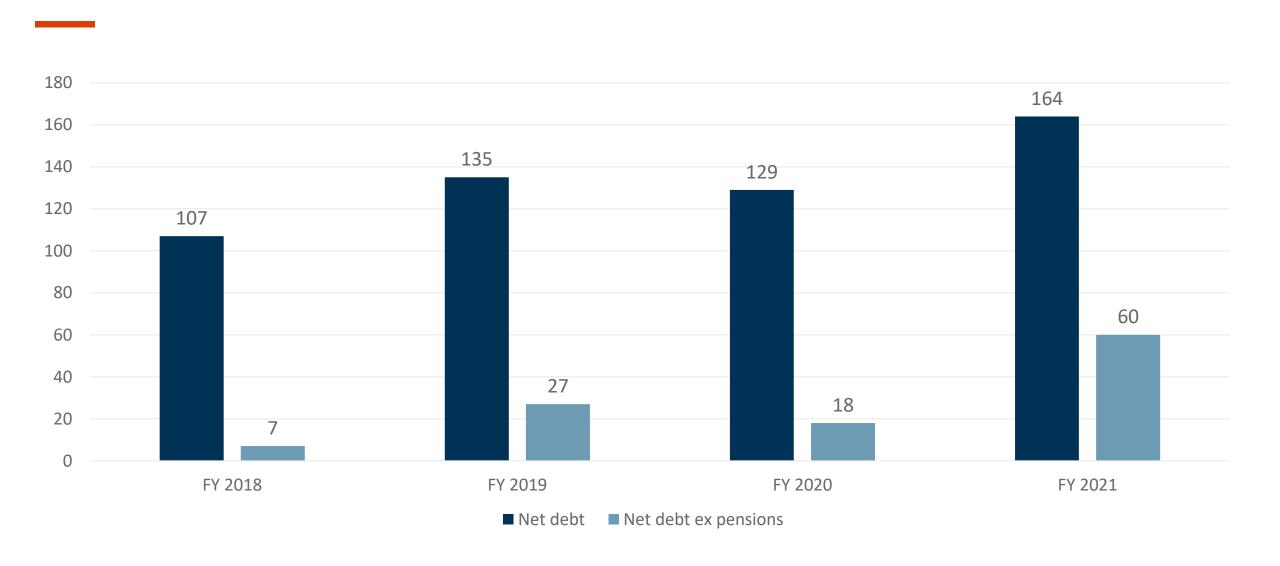


	FY 2021	FY 2020	FY 2019	FY 2018
Free cash flow	-15	28	4	39
Net debt	164	129	135	107
Net debt ex pensions	60	18	27	7
CAPEX (incl. Financial assets)	23	21	21	24
Own work capitalized (additions)	16	14	10	17
ROCE	12 %	10 %	12 %	14 %

## **DEVELOPMENT OF THE RATIO NET DEBT**



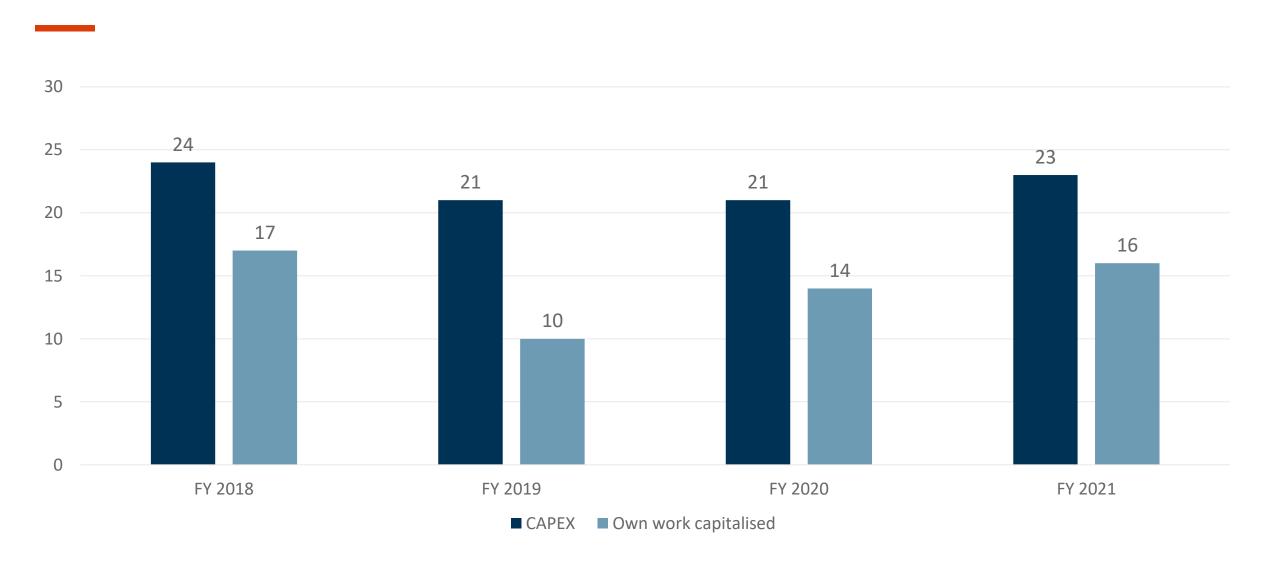
AS OF THE BALANCE SHEET DATE OF THE RESPECTIVE REPORTING PERIOD | IN EUR MILLION



## **DEVELOPMENT OF INVESTMENT SPENDING**



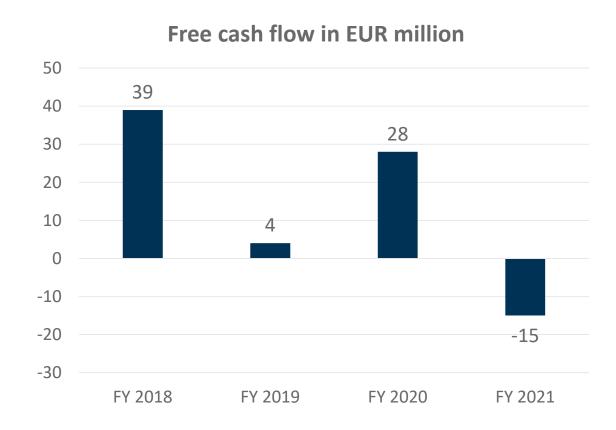
AS OF THE BALANCE SHEET DATE OF THE RESPECTIVE REPORTING PERIOD | IN EUR MILLION

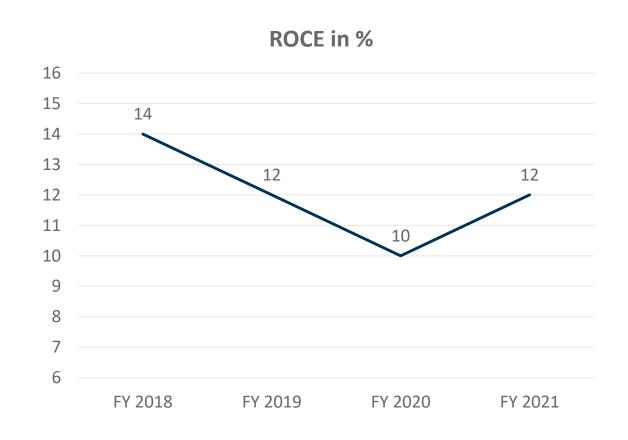


## DEVELOPMENT OF FREE CASH FLOW AND ROCE



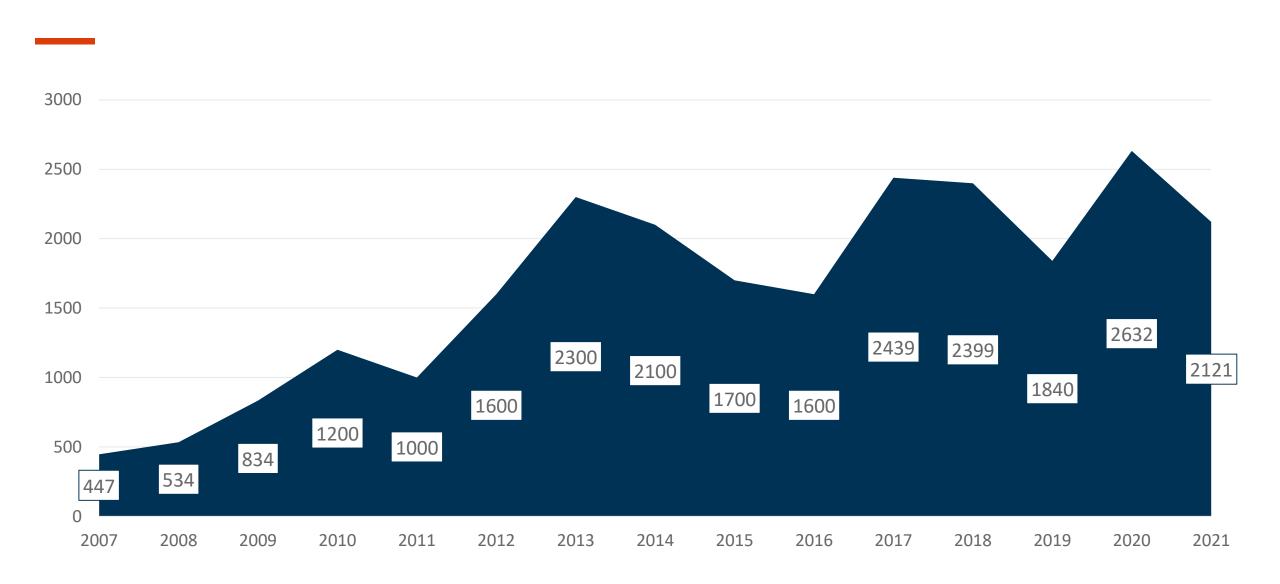
AS OF THE BALANCE SHEET DATE OF THE RESPECTIVE REPORTING PERIOD





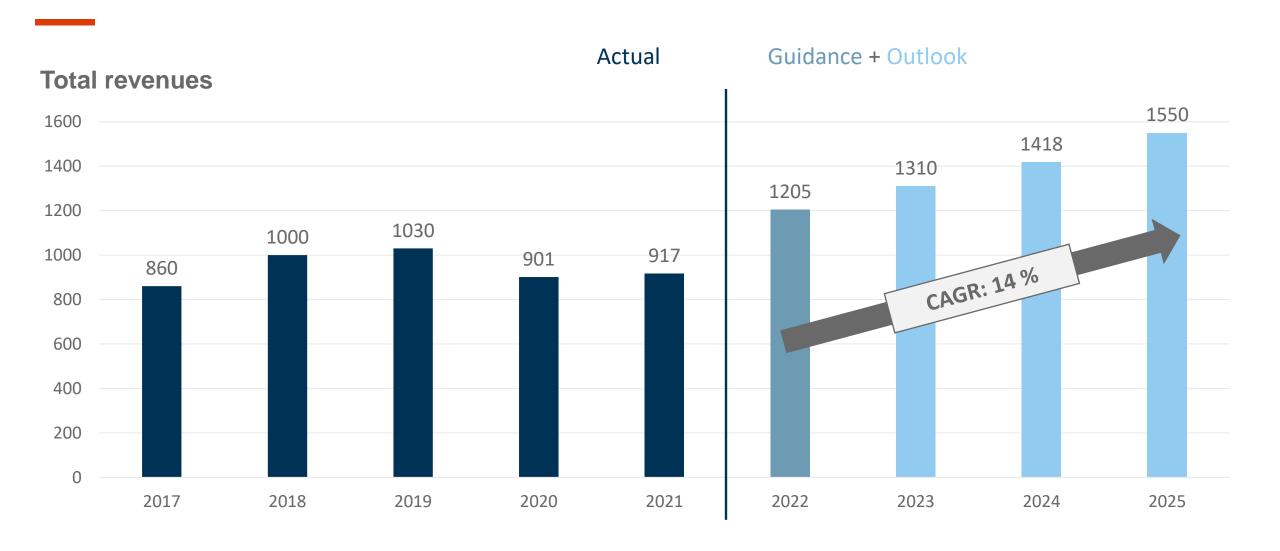
## **DEVELOPMENT OF ORDER BACKLOG**





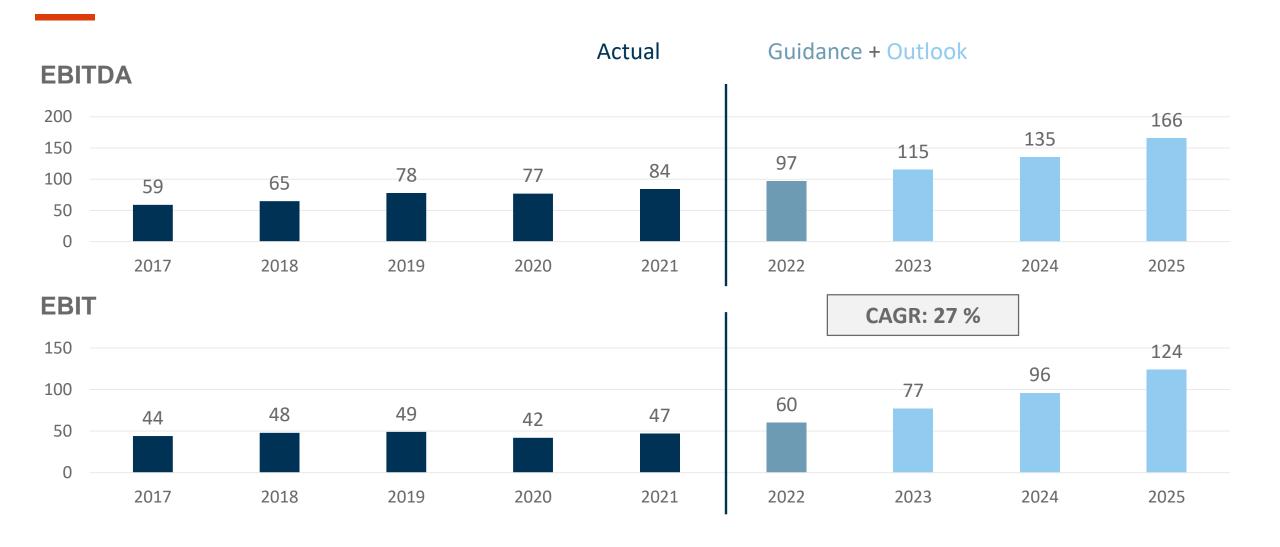
## **FINANCIAL GUIDANCE 2022-2025**





## **FINANCIAL GUIDANCE 2022-2025**





## **SPACE SYSTEMS 2021: A YEAR OF CONTINUOUS PROGRESS**



Growing our project portfolio	<ul> <li>OHB Sweden selected as prime contractor for ESAs Artic Weather Satellite mission</li> <li>Proto-flight model for a planned constellation (also to be based on OHB Sweden's InnoSat platform)</li> <li>Contract value: EUR 32.5 million</li> </ul>	<ul> <li>Lunar Gateway</li> <li>World first: Xenon refuelling in space</li> <li>Contract value: EUR 58 million</li> </ul>
Future opportunities	<ul> <li>SpaceLink</li> <li>Selected to build data-relay constellation</li> <li>Proves OHB's competitiveness in international commercial bidding processes</li> </ul>	<ul> <li>Lunar Surface Access Service (LSAS)</li> <li>- &gt; 100 interested parties to date</li> <li>- Chance to build heritage for future exploration missions</li> </ul>
Long-running projects moving close to completion	<ul> <li>H2Sat</li> <li>Successful integration of platform and payload module in August</li> <li>15 years of geostationary operation planned after expected launch in 2023</li> </ul>	<ul> <li>MTG</li> <li>First successful integration of platform and payload-module</li> <li>Expected launch of the first out of six satellites in fall 2022</li> </ul>

### **ENMAP READY FOR LAUNCH ON APRIL 1ST**

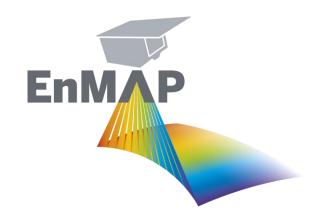


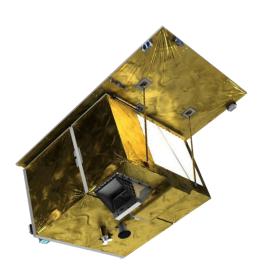
#### Importance for the planet

- Hyperspectral imaging provides answers to different questions through one sensor
  - Food security: Monitoring of growth progress of plants and yield forecasts
  - Resource management: Assessment of soil and water quality
  - Health of our forests
  - Identifying different materials more easily
- Space-based monitoring enables a more thorough and efficient assessment of our environment
  - → Currently: Predominantly visual assessment on the ground

#### **Importance for OHB**

- Allowed OHB to build strong heritage in hyperspectral imaging
   → Already paid off in form of the contract for the CHIME hyperspectral payload
- Translation of the concept into micro-satellites for potential constellations possible
- Backbone for downstream services that add value for commercial users (e.g. in farming or pipeline monitoring)
- AIT-concept developed for the EnMAP project can be used to increase efficiency in future projects





### **AEROSPACE TURNAROUND IN FULL SWING**



#### FY 2021

- Ariane program: Stabilization agreement with ESA for 2021 and 2022, including
  - Production volume
  - Additional cost resulting from lower production volume
- Expansion of existing partnership between MT Aerospace AG (MT-A) and Boeing
  - → Memorandum of Understanding signed

#### FY 2022 and beyond

- Further development of future key competencies and growth markets
  - Hydrogen technology for air and land transportation
  - Additive manufacturing (AM)
- Ongoing customer diversification
  - MTA joined EOS' partner network for their end-to-end AM production network
  - Exploring opportunities to contribute to Boeings satellites and to expand cooperation on NASAs Space Launch System





### STRONG FIRST REPORTING YEAR FOR SEGMENT DIGITAL



#### Activity **Details** OHB acted as a one-stop shop for planning, manufacturing and operation of the satellite, selling data services to the customer Successfully built, launched and operates a prototype for a planned commercial LEO constellation Just seven months between the contract signature and launch → Enabled through the diversified portfolio of competencies within the group Includes: Contract details: Operation of the satellite system Initial duration: 5 years Service contract for $\rightarrow$ Launch in 2023 → Option for up to 5 annual extensions earth observation system LUXEOSys Maintenance of the ground segment Contract volume: EUR 18 million for initial duration Ongoing development and implementation of climate and industrial digital twins

Successful entry into the cyber security market for Europe's future digital rail

Q1/2022: Acquisition of Geo-IT specialist GEOSYSTEMS GmbH

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Extending our commercial footprint

## GEOSYSTEMS ACQUISITION COMPLEMENTS EXISTING OHB DIGITAL PORTFOLIO...



#### ... it is in line with OHB's strategy 2025

- Excerpt: Develop downstream portfolio
- Strong market potential: EUR 6 billion addressable market for EO data services worldwide\*



#### ... it adds value to GEOSYSTEMS

- Leveraging the OHB brand
  - Positive perception through OHB's strong heritage in the space industry
  - Access to the group's established customer network (ESA, DLR, BW)
- Integration of GEOSYSTEMS's solutions into downstream projects within the group

#### ... it adds value to OHB

- Adding long-standing know-how in the service business and an established customer network to the group
   → Sales, customer support, consulting, ...
- Using synergies with other OHB DIGITAL products

\* Euroconsult (2021): Space Economy Report 2021

## **GEOSYSTEMS KEY FEATURES**

SPECIALIST FOR GEO-IT

- Excellent expertise: Geodata processing, geoinformation, image processing (satellite, aerial, UAV, LiDAR), web-based applications
- Not a start-up! More than 30 years Geo-IT competence
   → 15 employees
- Strong partnership with Hexagon global leader in digital reality solutions
- Established and trustful customer relationships globally
- Continuous sales growth over the last 8 years
  - Stable revenue > EUR 3 million per year
  - Stable double digit EBIT-margin in the past
    - → Expected to carry on into 2022 and beyond

"Software is our legacy – Service is our future"



## **END-TO-END SOLUTIONS FROM SENSOR TO INFORMATION**







Downstream

services





### **Value-adding services**

- Dynamic data processing
- Adaption to user needs
- Fusion with other data and sensors
- Aggregation for decision making



Accurate and fresh information

- Information for customers
- Integration into business processes



### **SUCCESS STORIES**





Mining



Agriculture | EU-CAP



Agriculture | KWS



Security & Defence



**Telecommunication** 



**Surveying Authorities** 



**ESA** 

- Reliable information
- Cost reduction
- Relieving staff
- Ahead competition
- Security for the future
- Business critical

Geosystems offers strong synergy potentials with other entities of OHB DIGITAL as well as market entry opportunities for their products and services



## EXPECTED KEY SOURCES FOR FUTURE NEWS FLOW

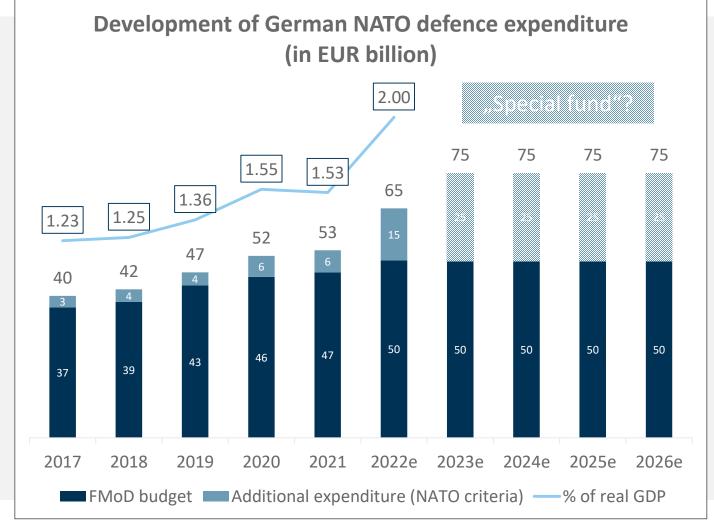


## February 27: Address to the German parliament by Chancellor Olaf Scholz in light of the war in Ukraine

- Proposed establishment of additional funds for the German Federal Ministry of Defence (FMoD)
  - "Special fund", separated from annual budget
     → Flexible usage in the upcoming years is possible
  - Volume: EUR 100 billion
- Future annual defence expenditure shall be > 2 % of GDP

#### **Implications for OHB**

- Increased human capacity will enable/accelerate projects
   → e.g. earlier procurement SATCOMBw3
- Additional order-intake in the mid- to long-term
   → Establishing redundancies and additional capacity
- Other European nations expected to follow



FMoD budget: German Federal Ministry of Finance

Additional expenditure (NATO criteria) 2017-2021 and % of real GDP: NATO press release (June 11, 2021)

Additional expenditure (NATO criteria) 2022: Projection based on Chancellor Scholz' statement (February 27) and real GDP forecast by Kiel Institute for the World Economy (IfW; March 17)

## EXPECTED KEY SOURCES FOR FUTURE NEWS FLOW

#### **ESA Ministerial Conference in November**

- Applications Earth observation
  - Next generation of the Copernicus program
  - EE10 (Harmony)
  - Arctic Weather Satellite constellation
    - → based on proto-flight model contracted to OHB Sweden
- Applications Telecommunications
  - Quantum Key Distribution (SAGA)
  - European secure communication constellation
- Science & Exploration
  - Decisions on additional missions from the Cosmic Vision 2015-2025 program
  - Athena
  - Advancements in in-orbit servicing
  - Exploration of Venus and Mars





## EXPECTED KEY SOURCES FOR FUTURE NEWS FLOW

#### **ESA Ministerial Conference in November**

- Safety & Security
  - HERA
  - Vigil Magnetograph
  - Flyeye 2<sup>nd</sup> generation telescope (to be followed by a series)
  - Space debris removal
- Enabling & Support
  - Independent access to space
    - Updates on support for Ariane 6 program
    - Preparing the future of the Ariane program
      - → Improvements of A6 and development of future versions
  - Independent access to the lunar surface
    - Mid-term: LSAS
    - Long-term: EL3



## **FINANCIAL CALENDAR 2022**



Date	Event
March 23, 2022	Analysts & press conferences, annual report 2021
May 11, 2022	3-month report/conference call
June 1, 2022	Annual General Meeting
August 11, 2022	6-month report/conference call
November 10, 2022	9-month report/conference call
November 22, 2022	DZ Bank Conference 2022, Frankfurt am Main
November 28-30, 2022	German Equity Forum 2022, Frankfurt am Main



Q & A



## THANK YOU!

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