



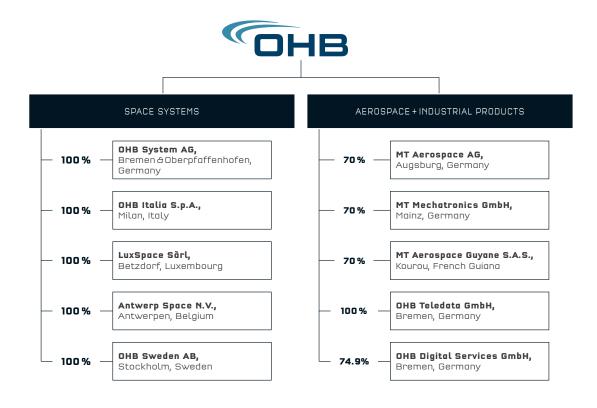
# OHB SE AT A GLANCE

**OHB SE is a European aerospace and technology group** and one of the most important independent forces in the European space industry. With more than 35 years of experience in developing and executing innovative space technology systems and projects and its range of specific aviation/aerospace and telematics products, the OHB Group is superbly positioned to face international competition.

Over the last few years, it has broadened its geographic footprint within Europe and now has facilities in many important ESA member countries. These strategic decisions on locations allow the Group to participate in numerous European programs and missions. The two 'Space Systems' and 'Aerospace + Industrial Products' business units reflect the convergence of these activities and the focus on specific core skills.

The 'Space Systems' business unit focuses on developing and executing space projects. In particular, it is responsible for developing and manufacturing of low-orbiting and geostationary satellites for navigation, science, communications, earth and weather observation and reconnaissance including scientific payloads. Reconnaissance satellites and broadband wireless transmission of image data form core technologies for security and reconnaissance. The exploration segment works on studies and models for exploring our solar system, primarily the Moon, asteroids and Mars. Its human space flight activities chiefly entail projects for the payloads and operations of the International Space Station ISS.

The 'Aerospace + Industrial Products' business unit is primarily responsible for manufacturing aviation and space products as well as engaging in other industrial activities. In this area, OHB has established itself as a leading supplier of aerospace structures for the aviation and space industry; among other things, it is the largest German supplier of components for the Ariane program and an established producer of structural elements for satellites. In addition, OHB is an experienced provider of mechatronic systems for antennas and telescopes and is involved in several major radio telescope projects. OHB telematics systems serve the logistics industry around the world by offering efficient transport management and consignment tracking facilities.



#### DEAR READERS,

At the beginning of the second quarter, changes in OHB SE's executive bodies took effect: Kurt Melching, who was already a member of the Management Board of OHB System AG and Director of Finance & Controlling at OHB SE, was also appointed to the Management Board of OHB SE with effect from April 1 and is also responsible for the Finance division here. Dr. Lutz Bertling was also appointed to the Executive Board as of April 1, where he heads the Corporate & Business Development, Digitisation and Services divisions. Dr. Fritz Merkle retired from the Management Board on June 30 after more than 18 years of membership in the OHB Group. He deserves great thanks for his remarkable commitment, his long-standing loyalty, but especially for the gift of passing on enthusiasm for space.

Robert Wethmar was elected as the new Chairman of the Supervisory Board with effect from April 1; Christa Fuchs had previously used her 80<sup>th</sup> birthday as an occasion to resign as Chairwoman of this body. Ingo Kramer, an entrepreneur from Bremerhaven, was elected to the Supervisory Board by the Annual General Meeting, which now has four members since it took effect on June 19.

On July 25, four further Galileo FOC satellites were successfully launched from Kourou with an Ariane 5 rocket. This launch is of particular importance both for OHB System AG and for the overall system: OHB has successfully completed the first two work orders in this project with the delivery of these four satellites. This will complete the system for the European Commission when the satellites are operational at the end of the year. In the Copernicus Earth Observation Programme, which is also being implemented by the European Commission and ESA, OHB SE companies have so far won a total of five study contracts.

We would particularly like to highlight ESA's selection decision for the PLATO mission: By selecting OHB System AG as prime contractor, the company is leading an ESA science mission for the first time. The project work has already started in the past quarter and the corresponding contract is to be signed at the International Astronautical Congress (IAC), which will take place in Bremen at the beginning of October.

On the title page of this report, you can see the representation of the asteroid mission HERA, for which OHB System was recently selected by ESA as prime contractor for a system study. The protection of the Earth from asteroids and other dangers from space is a very important topic that is also attracting more and more interest outside the space industry. This was also recently demonstrated on the annual 'Asteroid Day' on June 30, which was supported by well-known personalities from politics, art and science.

At the end of the quarter, the consolidated order backlog of OHB SE companies was at EUR 2,369 million as of June 30, 2018, the figure was almost unchanged compared to the previous quarter (EUR 2,397 million).

Due to the high order backlog and the positive business development after the first six months of the year, we expect the financial position and net assets to continue to develop well and confirm our outlook for the financial year. Total revenues are expected to reach EUR 1 billion, we project EBITDA and EBIT of EUR 65 million and EUR 47 million respectively.

Bremen, August 9, 2018

The Management Board

#### **OHB STOCK**

#### VOLATILE PRICE DEVELOPMENTS ON THE STOCK MARKET AT A HIGH-LEVEL OVERALL

The development of the German benchmark index (DAX) in the first half of 2018 was marked by strong fluctuations: a friendly start and a new all-time high of 13,597 points on 23 January was followed by a rapid decline in the first quarter to a low of 11,727 points on 26 March – a decline from its high of around 14 percent. The upward trend until mid-May towards 13,200 points was followed by another setback to below 12,200 points at the end of June, in order to target the 12,500-point mark again in the first days of July. The reasons for this volatile stock market performance were increasing political and economic uncertainties, led by the escalating trade conflicts between the USA, Europe and China. In addition, the expectation of rising capital market interest rates, particularly in the USA, also had a negative impact on the stock markets.

OHB shares also benefited from the so-called January rally on the stock market and reached their all-time high of EUR 49.75 on January 9, 2018 and closed at EUR 46.35 at the end of January. Almost parallel to the indices, the share price slump ended at EUR 35.20 at the end of the quarter on March 29, 2018, to bottom out towards the end of June at this year's low of EUR 27.55 on June 29, and to close the half-year at EUR 28.00 on June 29, 2018. The slight upward trend in July resulted in a closing price of EUR 29.75 at the end of the month.

21,219 shares (Xetra + floor) were traded during the reporting period, significantly higher than the 12,763 shares per day recorded in the same period last year.

#### **OWN SHARES**

OHB SE held 67,996 treasury shares as of June 30 of this year; this corresponds to 0.39% of the total issued capital.

#### MANAGEMENT BOARD AND SUPERVISORY BOARD SHAREHOLDINGS

June 30, 2018	Shares	Change in Q2
Christa Fuchs, member of the Supervisory Board	1,401,940	_
Professor Heinz Stoewer, member of the Supervisory Board	1,000	-
Marco R. Fuchs, chairman of the Supervisory Board	6,046,610	
Dr. Lutz Bertling, member of the Management Board	14,500	12,500
Dr. Fritz Merkle, member of the Management Board	1,000	_

# ANNUAL GENERAL MEETING ELECTED INGO KRAMER TO THE SUPERVISORY BOARD AND RESOLVED A DIVIDEND OF EUR 0.40 PER SHARE

At the Annual General Meeting in Bremen on May 24, 2018, the shareholders of OHB SE elected Ingo Kramer, an entrepreneur from Bremerhaven and President of the Federal Association of German Employers' Associations (BDA), as the fourth member of the Supervisory Board by a large majority. The shareholders of OHB SE also again approved the distribution of a dividend of EUR 0.40 per share.

#### **ANALYST RATINGS**

Bank	Date	Target Price in EUR	Recom- mendation
Bankhaus Lampe	Aug 3, 2018	50.00	Buy
Commerzbank	Aug 3, 2018	30.00	Hold
equinet Bank	Aug 3, 2018	40.00	Neutral
DZ Bank	Jun 19, 2018	41.00	Buy
HSBC Trinkaus & Burkhardt	Apr 27, 2018	34.00	Hold

#### OHB STOCK





#### **INVESTOR RELATIONS ACTIVITIES**

As usual, the Management Board of OHB SE gave an initial outlook for the current financial year during this year's Capital Market Day (CMD), which took place on February 7 in the new hall of MT Aerospace in Bremen, where the upper-stage tanks for the European launch vehicle Ariane 6 will be welded. This production hall is located directly next to the integration halls of the ArianeGroup so that the participants could connect the CMD with a visit there. OHB Management Board members and directors informed analysts, investors, bankers and financial journalists about the status of current projects and new market developments. The company published its consolidated financial statements for the fiscal year 2017 on March 21, 2018. On this day, a financial statements press conference was held in Bremen and the results were then discussed at an analysts' conference in

Frankfurt. OHB has so far this year participated in capital market conferences in Paris and Baden-Baden. In addition, investors visited us at our Oberpfaffenhofen site.

#### THE STOCK AT A GLANCE

in EUR	6M/2018	6M/2017
High, Xetra	49.75	28.00
Low, Xetra	27.55	18.27
Closing price, Xetra (final trading day of the period)	28.00	26.56
Average daily trading volumes (XETRA + floor)	21,219	12,763
Market capitalisation, Xetra (final trading day of the period)	489 million	464 million
Number of shares	17,468,096	17,468,096

#### OHB SE ANNUAL GENERAL MEETING ON MAY 24, 2018 AT THE ATLANTIC HOTEL UNIVERSUM IN BREMEN







OHB

1 The extended Supervisory Board: Prof. Heinz Stoewer (Deputy Chairman), Christa Fuchs (Member of the supervisory board), Robert Wethmar (Chairman), Ingo Kramer (newly elected)
2 View into the foyer of the Annual General Meeting 3 The Chairman of the Supervisory Board announces the results of the voting at the AGM 4 Hall and complete podium for the opening of the AGM



# INAUGURATION OF ULTRA-MODERN PRODUCTION FACILITIES FOR ARIANE 6 PRODUCTION AT MT AEROSPACE ON JUNE 21, 2018 IN AUGSBURG









# INAUGURATION OF THE NEW CLEANROOM AND INTEGRATION HALL OF OHB ITALIA ON JUNE 25, 2018 IN MILAN.











#### 'ASTEROID DAY' ON 30 JUNE 2018 IN LUXEMBOURG AND WORLDWIDE







13 ESA General Director Prof. Johann-Dietrich Wörner and the Deputy Prime Minister of Luxembourg Etienne Schneider in an interview with Lisa Burke 14 Panel discussion with Marc Serres, Vice-Chairman of the Luxembourg ESA Council (left), Nicolas Faber, COO Blue Horizon Luxembourg (centre) and Laurent Schummer, Partner, Arendt & Medernach 15 Special issue stamp of the Luxembourg Post Office 16 Marco Fuchs (OHB SE) with Etienne Schneider (Deputy Prime Minister of Luxembourg) 17 TV panel discussion with Etienne Schneider, Dr. Pete Worden (Executive Director, Breakthrough Starshot), Dr. Patrick Michel (Research Director CNRS) and Marco Fuchs





#### OHB SE: ASTEROID RESEARCH TO PROTECT THE EARTH

The better research is done on asteroids – from their location and identification, through their orbital movement, to their composition – the better humanity can prepare for Day X when an asteroid of potentially dangerous size (more than 100 meters in diameter) sets off for Earth again.

The Asteroid Day, organized by prominent personalities such as Prof. Lord Martin Rees, aims to sensitize a broad public to the topic of asteroids and their role in our solar system. The event took place in Luxembourg on 30 June. OHB has once again supported them, including employees from the Group companies participating in a live television program on the topic of asteroids. The 6-hour live segment from Luxembourg began on 29 June at 12 noon CEST and was repeated on 30 June and 1 July. ESA and the European Southern Observatory produced their own LIVE segment on 30 June. The entire 48-hour broadcast could be followed from the Asteroid Day website or on satellite TV as well as at public events around the globe.



Artist's representation of the HERA mission

#### ESA COMMISSIONS OHB TO STUDY HERA-ASTEROID MISSION

OHB System was selected by the European Space Agency ESA as general contractor for a study on the asteroid mission HERA. The contract has a volume of EUR 4.5 million and expands the OHB Group's ongoing activities in the area of protecting the Earth from space threats.

The aim of the HERA study is to carry out a detailed mission definition for a probe that will fly on the twin asteroid 'Didymos'. The satellite will analyse its physical properties on and below the surface and investigate its dynamics after an impact at enormous speed. The HERA mission is the European contribution to a joint but staggered planetary defence mission with NASA. In particular, HERA will investigate the impact crater on the smaller of the two asteroids (called Didymoon) left behind by NASA's DART satellite, which will be launched on an earlier mission in 2021.

According to the scientists, the impact will slow Didymoon down by about half a millimeter per second. HERA will provide detailed information about the orbital changes of Didymoon and relate them to the asteroid composition as well as the surface and internal structure. This experiment will investigate a practicable method to distract asteroids from their collision course with Earth and the results of this international collaboration could be transferred from didymos to other asteroids. The launch of the HERA mission is currently planned for the end of 2023.



#### OHB WAS AWARDED CONTRACTS FOR STUDIES IN THE EU/ESA EARTH OBSERVATION PROGRAMME 'COPERNICUS'

The OHB Group was selected by the European Space Agency ESA as a contractor for five studies on the possible expansion missions of 'Copernicus'. These phase-A/B1 studies were put out to tender throughout Europe and have a total contract value for OHB of EUR 24 million.

OHB System carries out the following three missions:

The  $\mathrm{CO}_2$  Misson ( $\mathrm{CO}_2$  Monitoring) should make it possible to detect regions with high  $\mathrm{CO}_2$  emissions and to monitor the agreements of the Paris climate agreement in general.

LSTM (Land Surface Temperature Monitoring) is used to measure the change in the surface temperature of the earth, especially in coastal regions.

CHIME (Copernicus Hyperspectral Imaging Mission for the Environment) will provide completely new insights into properties and chemical composition of minerals, rocks and soils through hyperspectral analyses.

OHB Sweden was selected as prime contractor for the Polar Ice and Snow Topography (PIST) mission study. The aim of the study is to calculate the consequences of climate change by measuring sea level using measurements of the polar ice cap, sea ice variation and snow depths.

OHB Italia was selected by ESA as a subcontractor for the payload of a study for the mission 'CIMR' (Copernicus Imaging Microwave Radiometer). The mission is intended to improve the continuity of sea ice concentration monitoring and possibly provide further information through additional measurements of the sea surface temperature in the polar regions.

#### SERVICE ANNIVERSARY AT 36,000 KM ALTITUDE

OHB System's telecommunications satellite H36W-1, which was launched at the beginning of 2017, has been in operational service with HISPASAT since June 2017 and has been placed in the constellation of the Spanish satellite operator at its geostationary position above the 36th western longitude. From there, H36W-1 will provide flexible broadband coverage in the Iberian Peninsula, the Canary Islands and South America.

The SmallGEO satellite H36W-1 has been operating continuously and error-free for over a year. During its commissioning and test phase in space, the satellite was supervised by OHB employees. HISPASAT now operates the satellite with its own team. OHB's specialists will continue to be involved until the end of the mission.



OHB's H36W-1 telecommunications satellite celebrates its first space service anniversary

# OHB SYSTEM SELECTED BY ESA FOR THE PLATO PROJECT

OHB System AG was selected by the European Space Agency ESA on April 25, 2018, as prime contractor for the scientific mission PLATO. The contract volume is expected to be around EUR 300 million. The contract with ESA will include the delivery of the two-ton satellite including the required pre-launch tests and the support of OHB personnel during the launch campaign and the initial operating phase in space. The contract will end with the so-called in-orbit verification, which certifies the full functionality of the satellite in orbit.

PLATO (PLAnetary Transits and Oscillations of Stars) is a mid-size mission to explore exoplanetary systems to be launched in 2026. With the help of a satellite-supported observatory, planets in the orbit of other solar systems are to be tracked down and researched. With PLATO, the joint European team wants to create a powerful satellite that will literally 'discover new worlds' at a distance of 1.5 million kilometres. This challenging mission is designed to take exoplanetary science a big step forward. In order to guarantee the required quality of scientific observations, ambitious requirements are placed on the satellite design - for example with regard to the alignment of the optical payload and its stability. It is about the extremely precise, long-term and uninterrupted photometric observation of bright stars in the visible range - this is the only way to detect the exoplanets at all.

#### OHB ITALIA INAUGURATES NEW CLEANROOM AND INTEGRATION HALL IN MILAN

The official inauguration ceremony of the new clean room and integration hall in Milan took place on 25 June 2018 in the presence of the local authorities and representatives of the European and Italian space organisations

The facility consists of three separate ISO5, ISO7 and ISO8 cleanrooms; the ISO7 cleanroom, which is suitable for satellite integration, has a usable area of 190 m², allowing up to 20 people to work simultaneously; the area is equipped with a 10 tonne overhead crane with a hook height of 6 metres. The ISO8 clean room suitable for plant construction has a useful area of 180 m² and an internal height of 2.5 metres. In the ISO8 range, an ISO5 clean room of 80m² can be used for machining parts with high purity requirements such as optics. The 60 m² ISO7 lock area, which provides access to the integration room, is suitable for an ISO20 transport container and is also equipped with a 10 tonne overhead crane.

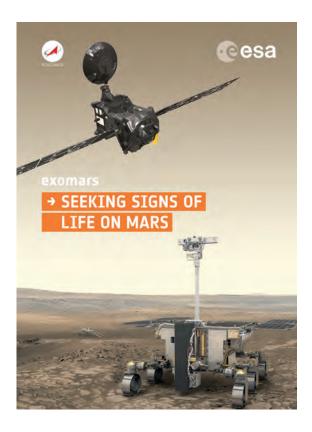


Guests of honour visit one of the new clean rooms

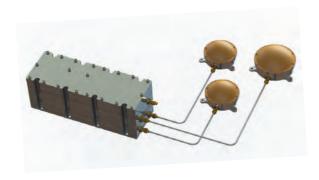
#### ANTWERP SPACE WITH LARA ON THE WAY TO MARS

The planetary researchers at the Royal Observatory of Belgium (ROB) are delighted to announce the signing of a contract between the PRODEX programme (Scientific Instrument Development Programme) of the European Space Agency (ESA) and Antwerp Space to supply the 'Martian' instrument (Lander Radioscience – LaRa) as part of the ExoMars 2020 mission, which will be the first Belgian instrument to reach the surface of Mars.

The integrated radio transmitter and receiver LaRa is intended to establish the connection between Mars and Earth. Thus, researchers at the Royal Observatory will be able to study the rotation of Mars and the internal structure of the planet with a special focus on the planet's core. LaRa is part of the ExoMars 2020 platform, a joint mission of ESA and Russia's national space agency Roskosmos.



Artistic representation of the LaRa antenna



A team at the Université catholique de Louvain (UCL) is also involved in the project and is working in particular on the development of the instrument's high-performance antennas.

The Belgian government and the Belgian Science Promotion Organisation (BELSPO) support the development and production of LaRa through the ESA PRODEX programme. As can be seen from the artist's representation, the LaRa instrument consists of three antennas connected to a housing containing the instrument's electronics. The two smaller antennas are used to transmit radio signals from Mars to Earth, while the larger antenna is required to receive radio signals from Earth.

#### AEROSPACE + INDUSTRIAL PRODUCTS



#### **AEROSPACE + INDUSTRIAL PRODUCTS**

# TECHNOLOGICAL QUANTUM LEAP: MT AEROSPACE INAUGURATES PRODUCTION FACILITIES FOR ARIANE 6 PRODUCTION

MT Aerospace AG inaugurated the new Ariane 6 production facilities at its Augsburg site on June 21, 2018, in the presence of numerous guests of honour. With financial support from the European Space Agency (ESA), MT Aerospace has built a new 2,500m² hall in Augsburg, converted another production hall and digitised the entire development and production process. Stateof-the-art welding systems, machine-to-machine communication, automated and modernized drilling and riveting robots ensure more efficient and cost-effective production processes.

## UNIQUENESS BY NEW PROCESSING PROCEDURES FOR LIGHT METALS

MT Aerospace with an industrial share of more than 10 per cent is significantly involved in the development and industrialization of the Ariane 6 carrier system. The large FSW plant is regarded as a core element of productivity progress and technological development. FSW stands for 'Friction Stir Welding'. The plant for joining light metals was installed at the beginning of 2018 and is unique worldwide. The new process enables high-performance lightweight construction with considerable weight savings - an essential factor in the aerospace industry. The FSW machine documents both the processes and also checks the components by ultrasound so that the components are completely machined and completely tested when they leave the plant.

# ANOTHER IMPORTANT MILESTONE IN THE CONSTRUCTION OF THE ARIANE 6 LAUNCH SYSTEMS HAS BEEN REACHED

The maiden flight of the new European launcher Ariane 6 from the Kourou spaceport in French Guiana is scheduled for July 2020. MT Aerospace AG is realising the mechanical launch systems (ELA 4) with its Mainz-based subsidiary MT Mechatronics GmbH on behalf of the French space agency CNES.

The successful completion of the factory acceptance tests and functional tests of the completely pre-assembled deflector is another important milestone on the way to implementing the launch systems for the new carrier system. The deflector is a 500-ton steel construction with integrated water cooling system. During the launch of the rocket, it divides the vertical exhaust gas jet of the engines and deflects it into the two lateral exhaust ducts. The construction is cooled with 1.5 cubic meters of water per second to withstand the enormous temperatures.

The deflector is part of the order, which also includes the 650-ton starting table. This is already being assembled in Kourou.

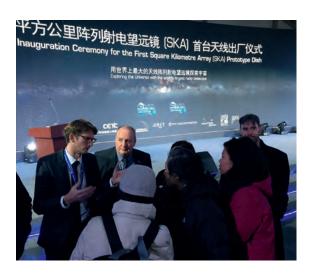
After dismantling at the plant, the individual components of the deflector will be sent in containers to Kourou, where it will be installed at its final location in the exhaust gas duct from September 2018.



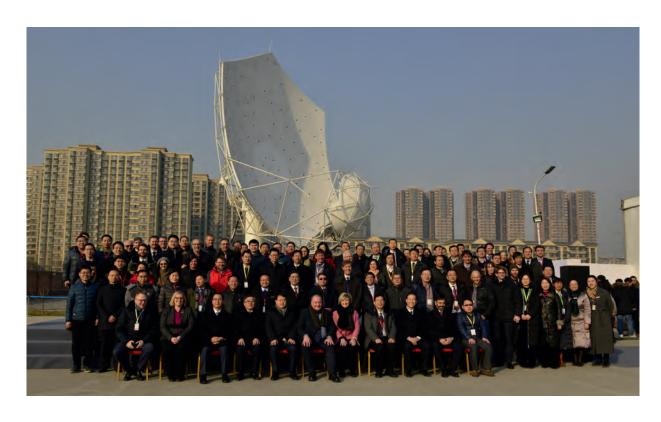
#### AEROSPACE + INDUSTRIAL PRODUCTS

#### CONSTRUCTION OF THE SECOND SKA PROTOTYPE TELESCOPE IN SOUTH AFRICA

MT Mechatronics is currently building the second prototype of the SKA telescope at its selected operating site in the South African Karoo Desert. This is to be handed over to the customer at the end of the year. As part of the SKA project, the world's largest and most powerful radio telescope with a total antenna area of 1,000,000 square meters is to be built. In its final construction, this observatory will consist of over 1,000 antennas with which the cosmos and its fundamental laws of nature are to be explored. Already in February this year the first SKA prototype telescope was inaugurated with representatives of the Chinese Ministry, directors of various observatories, ambassadors and scientific representatives from Germany, Italy, Australia and South Africa in Shijiazhuang in Hebei Province in China. Both prototypes are financed by the German Max Planck Institute for Radio Astronomy and are the result of international cooperation under the Leadership of MT Mechatronics from Mainz.



above: Lutz Stenvers, Managing Director MT Mechatronics, in conversation during the inauguration ceremony in China below: Group photo with high-ranking representatives from politics and science at the inauguration ceremony in Shijiazhuang, China



#### INTERIM GROUP MANAGEMENT REPORT

The OHB Group's overall performance is strongly dependent on performance milestones and delivery data in the respective projects and therefore has a non-linear development as planned. OHB achieved a significant increase in total revenues to EUR 404.5 million after six months, an increase of a good 14% over the same period of the previous year (previous year: EUR 354.2 million).

The operating result (EBITDA) increased to EUR 29.3 million (previous year: EUR 25.8 million). At 7.2%, the operating EBITDA margin achieved in the first six months of 2018 almost matched the level of the comparable prior-year period of around 7.3%. Despite higher depreciation and amortization of EUR 8.3 million in the current fiscal year after EUR 6.5 million in the previous year, EBIT rose to EUR 21.0 million after EUR 19.3 million in the previous year. The corresponding EBIT margin fell slightly to 5.2% (5.4% in the previous year). However, the EBIT margin on own value-added increased significantly, reaching 9.3% in the first half of 2018, after 8.7% in the previous year. The lower financial result of EUR -2.0 million compared to EUR - 1.4 million in the same period of the previous year was mainly the result of higher costs for forward exchange contracts. Earnings before taxes (EBT) rose slightly after the first six months of 2018 to EUR 19.0 million (previous year: EUR 17.8 million). Higher income taxes of EUR 6.2 million (previous year: EUR 5.7 million) in the 2018 reporting period resulted in a slightly improved consolidated profit for the period of EUR 12.8 million (previous year: EUR 12.1 million).

After the first six months of the financial year, cash flow from operating activities showed a scheduled reduction in the cash outflow of EUR -41.7 million compared to

the previous year (EUR -76.5 million). Cash flow from investing activities was significantly lower at EUR -7.4 million after EUR -17.1 million in the previous year, which was still largely dominated by investments in fixed assets. The positive cash flow from financing activities of EUR 81.6 million (previous year: EUR 73.4 million) more than compensated for the cash outflow from operating activities including investing activities and resulted in cash and cash equivalents (excluding securities) of EUR 90.8 million (previous year: EUR 36.4 million) at the end of the reporting period.

After the first six months of the 2018 financial year, the Group's order backlog amounted to EUR 2,369 million, compared to EUR 2,220 million in the prior-year period. Of this amount, OHB System AG accounted for around 83% (EUR 1,956 million).

As of June 30, 2018, the OHB Group's total assets of EUR 763.7 million were approximately 6% higher than on December 31, 2017 (EUR 719.7 million). The main drivers of this difference are higher inventories and significantly higher cash and cash equivalents. A total of around EUR 90 million higher current financial liabilities and around EUR 9 million higher advance payments received on orders on the liabilities side more than offset, among other things, the increase of a good EUR 12 million in inventories on the assets side. The approximately EUR 21 million lower equity in the Group as a result of the replacement of the previous accounting standards IAS 11 (construction contracts) and IAS 18 (revenues) by the new provisions of IFRS 15 (revenues from contracts with customers) from 2018 resulted in an equity ratio of 24.4% as of June 30, 2018, after 28.8% at year-end on December 31, 2017.

#### INTERIM GROUP MANAGEMENT REPORT

#### KEY PERFORMANCE INDICATORS OF THE OHB GROUP

EUR 000s	Q2/2018	Q2/2017	6M/2018	6M/2017
Sales	206,150	185,703	384,084	332,709
Total revenues	214,748	188,834	404,461	354,153
EBITDA	15,071	13,069	29,313	25,796
EBIT	10,809	9,838	21,029	19,254
EBT	9,568	9,112	19,023	17,820
Consolidated net profit for the period	6,426	6,096	12,785	12,146
Earnings per share (EUR)	0.31	0.30	0.65	0.61
Total assets as of June 30	763,653	730,504	763,653	730,504
Equity capital as of June 30	186,346	193,378	186,346	193,378
Cash flow used in operating activities	7,735	-47,267	-41,693	-76,491
Capital spending	4,810	7,313	8,227	17,839
Headcount as of June 30	2,568	2,351	2,568	2,351

#### SALES PER PRODUCT GROUPS

EUR 000s	6M/2018	6M/2017
Space industry	360,565	313,579
Aviation	6,890	8,492
Antenna	12,453	3,995
Others	4,175	6,644
Total	384,084	332,709

#### SALES PER REGIONS

Total	384,084	332,709
Rest of World	4,095	2,014
Rest of Europe	271,555	225,332
Germany	108,433	105,364
EUR 000s	6M/2018	6M/2017

#### INTERIM GROUP MANAGEMENT REPORT

#### RESEARCH AND DEVELOPMENT

Research and development expenses fell to EUR 13.6 million in the first six months of 2018, compared to EUR 19.2 million in the same period of the previous year.

#### **INVESTMENTS**

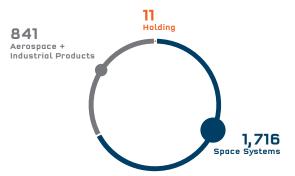
At EUR 8.2 million, investments in fixed assets in the first six months of 2018 were significantly below the previous year's figure of EUR 17.8 million, which included investments in production facilities to prepare for Ariane 6 production at MT Aerospace in Augsburg.

#### **EMPLOYEE DEVELOPMENT**

The OHB Group's workforce increased to 2,568 employees as of June 30, 2018, compared with 2,420 employees as of December 31, 2017. The number of employees for 'Other World' comprises 45 persons employed in Chile and 65 persons employed in French Guiana.

#### NUMBER OF EMPLOYEES BY BUSINESS UNITS

AS OF JUNE 30, 2018



TOTAL personnel: 2,568

# OPPORTUNITIES AND RISKS REPORT

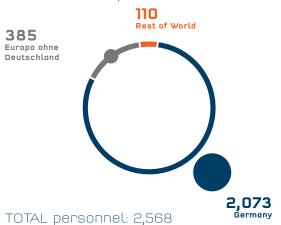
In the Annual Report for 2017, the Opportunities and Risks Report contains detailed information on opportunities and risks that could influence business success. There were no significant changes in the opportunity and risk profile of the OHB Group in the current reporting period.

#### **OUTLOOK GROUP 2018**

The Management Board expects OHB Group's consolidated total revenues of EUR 1,000 million for the fiscal year 2018. The operating earnings figures EBITDA and EBIT are expected to reach EUR 65 million and EUR 47 million respectively in 2018. Given the high order backlog and the positive outlook for the current financial year, we expect the financial position and net assets to continue to develop well.

# NUMBER OF EMPLOYEES BY REGIONS

AS OF JUNE 30, 2018



# SIGNIFICANT EVENTS OCCURRING AFTER THE END OF THE PERIOD UNDER REVIEW

#### FOUR AT A STROKE: ANOTHER SUCCESSFUL LAUNCH OF FURTHER GALILEO FOC\* SATELLITES

Lift-Off for Tara, Samuel, Anna and Ellen: On 25 July, the last four Galileo FOC\* Batch 2 satellites took off from the Kourou spaceport in French Guiana on an Ariane 5 Launcher. In the live stream, OHB employees followed the launch throughout Europe and kept their fingers crossed for a smooth start. After almost four hours of flight time, the satellites arrived in target orbit and are now orbiting around the Earth. The satellites booted their systems immediately after launch into space. the solar panels unfolded and aligned with the sun. The first tests began immediately afterwards. This is now followed by a test phase of around six months. During the first eleven days, the satellites will be controlled from the control centre of the French space agency CNES in Toulouse before the Galileo control centre in Oberpfaffenhofen takes over.

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VA244 - July 25, 2018

Galileo FOC-M8

This means that 26 Galileo satellites are currently in space, 22 of which were developed, built and tested by OHB. Thanks to the number of satellites in space, the first services have been available since December 2016. Newer smartphones receive the open navigation service for the general public. The services also include the Public Regulated Service, which serves institutional users such as public authorities, the police or the fire brigade, and the Search and Rescue Service, which enables precise and reliable location of emergency signals. Signals are available to demonstrate the outstanding precision of the system. Europe is also gaining sovereignty over its own Galileo navigation system.

After the launch is before the launch - OHB's work on Galileo will continue seamlessly with Batch 3, with the first launch planned for 2020. After that, two more satellites will be completed approximately every three months until all twelve satellites of Batch 3 are ready for launch. The planning for the quotation phase of Batch 4 is also already underway. The requirements of the European Space Agency are on the table. The next generation should ensure improved signals and service, cost-optimized operation and increased security.

#### **CONSOLIDATED INCOME STATEMENT**

			į	
EUR 000s	Q2/2018	Q2/2017	H1/2018	H1/2017
Sales	206,150	185,703	384,084	332,709
Changes in inventories of finished goods				
and work in progress	2,172		8,725	7,627
Other own work capitalised	3,914	5,219	7,032	11,506
Other operating income	2,512	960	4,620	2,311
Total revenues	214,748	188,834	404,461	354,153
Cost of materials	129,048	114,711	239,486	203,467
Staff costs	53,980	48,792	103,797	95,974
Depreciation/amortisation of intangible assets and property, plant and equipment	4,262	3,231	8,284	6,542
Other operating expenses	16,649	12,262	31,865	28,916
Earnings before interest and taxes (EBIT)	10,809	9,838	21,029	19,254
Other interest and similar income	104	431	791	998
Other financial expenses	1,075	1,233	2,665	2,531
Currency translation gains/losses	– 180	74	- 132	95
Investment income	0	2	0	4
Net finance expense	- 1,151	- 726	- 2,006	- 1,434
Earnings before taxes	9,658	9,112	19,023	17,820
Income taxes	3,232	3,016	6,238	5,674
Consolidated net profit for the period	6,426	6,096	12,785	12,146
Share of OHB SE shareholders in net profit for the period	5,400	5,184	11,275	10,566
Minority interests	1,026	912	1,510	1,580
Number of shares excl, own shares	17,391,072	17,387,600	17,389,336	17,387,600
Earnings per share (basic in EUR)	0.31	0.30	0.65	0.61
Earnings per share (diluted in EUR)	0.31	0.30	0.65	0.61

#### CONSOLIDATED STATEMENT OF COMPREHENSIVE INCOME

EUR 000s	Q2/2018	Q2/2017	H1/2018	H1/2017
Consolidated net profit for the period	6.426	6.096	12.785	12.146
Remeasurement of defined benefit pension plans	2	0	0	0
Remeasurement of defined benefit plans of associated companies	0	0	0	0
Fair value remeasurement of financial assets	- 828	1.538	- 2.786	4.507
Items that will not be reclassified to profit and loss	- 826	1.538	- 2.786	4.507
Exchange differences on translation foreign operations	- 43	- 33	– 190	- 39
Exchange differences of associated companies	0	0	0	0
Income/expenses arising during the year	- 237	248	- 288	238
Cash flow hedges of associated companies	0	0	0	0
Items which may be subsequently reclassified to profit and loss	- 280	215	- 478	199
Other comprehensive income after tax	- 1.106	1.753	- 3.264	4.706
Comprehensive income	5.320	7.849	9.521	16.852
Of which attributable to				
equity holders of OHB SE	4.365	6.863	8.097	15.201
other equity holders	955	986	1.424	1.651

### CONSOLIDATED CASH FLOW STATEMENT

EUR 000s	H1/2018	H1/2017
Earnings before interest and taxes (EBIT)	21,029	19,254
Income taxes paid	- 4,895	- 6,927
Other non-cash expenses (+)/income (-)	85	0
Depreciation/amortisation of intangible assets and property, plant and equipment	8,284	6,542
Changes in pension provisions	- 1,840	- 1,294
Profit (-)/loss (+) from the disposal of assets	166	37
Gross cash flow	22,829	17,612
Increase (-)/decrease (+) in own work capitalised	- 7,045	- 11,120
Increase (-)/decrease (+) in inventories	- 12,254	- 4,357
Increase (-)/decrease (+) in receivables and other assets including deferred items	- 22,271	- 35,859
Increase (+)/decrease (-) in liabilities and current provisions	20,422	5,598
Increase (+)/decrease (-) in prepayments received	- 43,374	- 48,365
Cash outflow for operating activities	- 41,693	- 76,491
Payments made for investments in non-current assets	- 8,227	- 17,839
Payments received from disposals of non-current assets	346	0
Interest and other investment income	399	741
Cash provided by/used for items not attributable to operating or financing activities	51	0
Cash outflow for investing activities	- 7,431	- 17,098
Dividends distributed	- 6,955	- 6,955
Payments made for the settlement of financial liabilities	- 102	- 271
Payments received from raising borrowings	89,990	82,436
Minority interests	0	- 109
Interest and other finance expense	- 1,327	- 1,681
Cash inflow from financing activities	81,606	73,420
Cash changes to cash and cash equivalents	32,482	- 20,169
Currency-translation-related changes to cash and cash equivalents	<u> </u>	48
Cash and cash equivalents at the beginning of the period	58,578	56,567
Cash and cash equivalents at the end of the period	90,803	36,446

### **CONSOLIDATED BALANCE SHEET**

EUR 000s	30/6/2018	31/12/2017
ASSETS		
Goodwill		7 121
		7,131
Other intangible assets  Property plant and equipment	105,983	103,217
Property, plant and equipment	81,189	77,698
Shares carried at equity  Other financial assets	2,388	2,388
	29,880	32,610
Other long-term receivables and assets	2,152	2,152
Securities Potagod tayon	219	!
Deferred taxes	17,178	14,134
Long-term assets	246,120	239,549
Inventories	61,091	48,837
Trade receivables	88,616	70,613
Contract assets	229,067	257,634
Tax receivables	4,894	3,396
Other non-financial assets	42,606	40,630
Securities	456	461
Cash and cash equivalents	90,803	58,578
Current assets Total assets	<u>517,533</u> 763,653	480,149 719,698
SHAREHOLDERS' EQUITY AND LIABILITIES	47.//0	17//0
Subscribed capital	17,468	17,468
Additional paid-in capital	14,923	14,923
Retained earnings	521	521
Unrealised gains and loss recognised under equity	- 5,277	- 2,099
Treasury stock	- 696	- 781
Consolidated profit	138,334	157,599
Shareholders' equity excluding minority interests	165,273	187,631
Minority interests	21,073	19,649
Shareholders' equity	186,346	207,280
Provisions for pensions and similar obligations	95,692	96,587
Non-current other provisions	2,131	1,891
Non-current financial liabilities	30,312	30,414
Non-current advance payments received on orders	22,579	8,291
Deferred income tax liabilities	34,147	36,505
Non-current liabilities and provisions	184,861	173,688
Current provisions	44,715	27,977
Current financial liabilities	153,875	63,886
Trade payables	79,340	83,141
Contract liabilities	81,768	133,978
Current advance payments received on orders	359	5,811
Income tax liabilities	3,917	2,711
Other financial and non-financial liabilities	28,472	21,226
Current liabilities	392,446	338,730
Total equity and liabilities	763,653	719,698

#### **CONSOLIDATED STATEMENT OF CHANGES IN EQUITY**

EUR 000	Sub- scribed capital	Share premium	Retained earnings	Unrealized gains and losses recog- nized under equity	Consoli- dated profit	Treasury stock	Share- holders' equity excluding minority interests	Minority interests	Total equity
Balance on January 1, 2017	17,468	14,923	521	- 4,682	141,199	- 781	168,648	14,942	183,590
Dividend payment	0	0	0	0	- 6,955	0	- 6,955	0	- 6,955
Comprehensive income	0	0	0	4,706	10,567	0	15,273	1,470	16,743
Other changes	0	0	0	0	0	0	0	0	0
Balance on June 30, 2017	17,468	14,923	521	24	144,811	- 781	176,966	16,412	193,378
Balance on January 1, 2018*	17,468	14,923	521	- 2,099	157,599	- 781	187,631	19,649	207,280
Changes in accounting standards	0	0	0	0	- 23,585	0	- 23,585	0	- 23,585
Balance on January 1, 2018	17,468	14,923	521	- 2,099	134,014	- 781	164,046	19,649	183,695
Dividend payment	0	0	0	0	- 6,955	0	- 6,955	0	- 6,955
Comprehensive income	0	0	0	- 3,178	11,275	0	8,097	1,424	9,521
Other changes	0	0	0	0	0	85	85	0	85
Balance on June 30, 2018	17,468	14,923	521	- 5,277	138,334	- 696	165,273	21,073	186,346

<sup>\*</sup>as reported

#### SEGMENT REPORTING JANUARY 1 TO JUNE 30, 2018

	Space Systems	Aerospace + Industrial Products	Holding	Consoli- dation	Total
EUR 000s	2018	2018	2018	2018	2018
Sales	304,493	84,042	0	- 4,451	384,084
of which internal sales	53	4,398	0	- 4,451	0
Total revenues	314,922	93,627	4,556	- 8,644	404,461
Cost of materials and services purchased	202,745	40,956	0	- 4,215	239,486
EBITDA	20,163	9,189	- 39	0	29,313
Depreciation/amortisation	5,476	2,795	13	0	8,284
EBIT	14,687	6,394	- 52	0	21,029
EBIT margin	4.7%	6.8%			5.2%
Own value creation	142,198	83,792			225,990
EBIT margin on own value creation	10.3 %	7.6%			9.3%

	Space Systems	Aerospace + Industrial Products	Holding	Consoli- dation	Total
EUR 000s	2017	2017	2017	2017	2017
Sales	248,145	89,531	0	- 4,967	332,709
of which internal sales	145	4,822	0	- 4,967	0
Total revenues	261,358	98,357	3,968	- 9,530	354,153
Cost of materials and services purchased	160,841	46,702	0	- 4,075	203,468
EBITDA	15,101	10,690	5	0	25,796
Depreciation/amortisation	3,939	2,612	12	- 21	6,542
EBIT	11,162	8,078	- 7	21	19,254
EBIT margin	4.3 %	8.2 %			5.4%
Own value creation	131,274	89,777			221,051
EBIT margin on own value creation	8.5 %	9.0%			8.7%

# GENERAL INFORMATION ON THE Q2/6-MONTH INTERIM REPORT 2018

OHB SE is a listed stock corporation domiciled in Germany. The consolidated financial statements for the interim report on OHB SE and its subsidiaries (the 'Group') for the first six months of 2018 were approved for publication in a resolution passed by the Management Board on August 9, 2018. OHB SE's interim consolidated financial statements include the following companies:

- OHB System AG, Bremen & Oberpfaffenhofen
- OHB Italia S.p.A., Milan, Italy
- OHB Sweden AB, Stockholm, Sweden
- Antwerp Space N.V., Antwerp, Belgium
- LuxSpace S.à r.l., Betzdorf, Luxembourg
- MT Aerospace Holding GmbH, Bremen
- MT Aerospace AG, Augsburg
- MT Aerospace Grundstücks GmbH & Co. KG, Munich
- MT Mechatronics GmbH, Mainz
- MT Aerospace Guyane S.A.S., Kourou (GUF)
- OHB Teledata GmbH, Bremen
- OHB Digital Services GmbH, Bremen
- ORBCOMM Deutschland Satellitenkommunikation AG, Bremen

The results of the non-consolidated affiliated companies are not included in the interim reports.

#### BASIS FOR REPORTING

These unaudited interim consolidated financial statements have been prepared in accordance with the International Financial Reporting Standards (IFRS) and the related interpretations of the International Accounting Standards Board (IASB) applicable to interim reporting as endorsed by the

European Union and the additional provisions of commercial law to be applied in accordance with Section 315 a (1) of the German Commercial Code. Accordingly, this interim report does not include all the information or notes required by IFRS for the consolidated financial statements to be prepared for a full year.

The Management Board takes the view that these unaudited interim consolidated financial statements contain all adjustments needed to provide a true and fair view of the Company's results of operations, financial position and net assets. The results reported in the period ending June 30, 2018 are not necessarily a guide to the Company's future performance.

In connection with the preparation of the interim consolidated financial statements in accordance with IAS 34 'Interim Financial Reporting', the Management Board is required to make certain assessments and estimates as well as assumptions influencing the application of the accounting principles within the Group and the recognition of assets and liabilities as well as income and expenses. The actual amounts may vary from such estimates and adjustments.

A tax rate of approx. 32% is applied to income taxes.

Compared to the annual report 2017, no significant changes have been made to the basis of estimates. A detailed description of the accounting principles is published in the notes to the consolidated financial statements of the annual report 2017.

## IFRS APPLIED FOR THE FIRST TIME IN THE FINANCIAL YEAR

The accounting and valuation methods applied in the interim consolidated financial statements for interim reporting correspond to those applied in the last consolidated financial statements at the end of the financial year, with the exception of the following changes: From 2018, the previous standards IAS 11 (construction contracts) and IAS 18 (revenue) will be replaced by the new provisions of IFRS 15 (revenue from contracts with customers). OHB performed an analysis of the application of the new IFRS 15 regulations and made the necessary adjustments to revenue recognition for all customer contracts that had not yet been terminated as of December 31, 2017. OHB applies the modified retrospective method for the introduction, after which the effect compared to the annual financial statements for 2017 is shown with no effect on net income via a change in retained earnings. In individual cases, the timing of sales revenues from long-term development and construction contracts may change as a result of the introduction. Until 2017, in the Space Systems segment under IAS 11, individual contracts were regarded as a single economic unit and revenue recognition was measured using a uniform approach. This valuation is not applicable under IFRS 15, so each of these contracts must be valued separately. This results in a retrospective reduction of profit shares already realized in previous periods due to a reduction in proportionate sales revenues.

OHB applies IFRS 9 (Financial Instruments) for the first time in fiscal year 2018. There were no significant effects on the balance sheet and income statement.

The effects at the beginning of 2018 can be seen in the following table.

## EFFECTS OF THE TRANSITION FROM IFRS 9 AND 15 TO THE CONSOLIDATED BALANCE SHEET

		Adjustments IFRS 9 and	
EUR 000s	31/12/2017	IFRS 15	1/1/2018
Non-current assets	239,549		239,549
Inventories	48,837		48,837
Trade receivables	70,613		70,613
Contract assets	257,634	- 30,439	227,195
Cash and cash equivalents	58,578		58,578
Other current assets	44,487		44,487
Total assets	719,698	- 30,439	689,259
Shareholders' equity	207,280	- 23,585	183,695
Provisions	126,455		126,455
Financial liabilities	94,300		94,300
Deferred income tax liabilities	36,505	- 6,854	29,651
Trade payables	83,141		83,141
Contract liabilities	133,978		133,978
Other liabilities	38,039		38,039
Total equity and liabilities	719,698	- 30,439	689,259
		! !	

The original measurement categories and carrying amounts of the financial assets and liabilities under IAS 39 and the new measurement categories and carrying amounts of these financial assets and liabilities under IFRS 9 are shown in the table below.

#### MEASUREMENT CATEGORIES OF FINANCIAL INSTRUMENTS

			Book values	Book values
	Valuation	Valuation	in accor-	in accor-
	categories	categories	dance with	dance with
	according to	according to	IAS 39 as of	IFRS 9 as of
EUR 000s	IAS 39	IFRS 9	31/12/2017	01.01.2018
Financial assets				
	Loans and	Valued at		
Trade receivables	receivables	acquisition costs	70,613	70,613
	Loans and	Valued at		
Securities	receivables	acquisition costs	219	219
	Loans and	Valued at		
Other financial assets	receivables	acquisition costs	31,624	31,624
	Loans and	Valued at		
Cash and cash equivalents	receivables	acquisition costs	58,578	58,578
		Financial assets at		
	Financial assets	fair value through		
Securities	held for trading	profit or loss	461	461
		Financial assets at		
	Classified as	fair value through		
Equity interests measured at fair value through	available-for-sale	other compre-	00 (40	00 /40
other comprehensive income	instruments	hensive income	32,610	32,610
			194,105	194,105
Financial liabilities				
	Valued at	Valued at		
Trade payables	acquisition costs	acquisition costs	83,141	83,141
	Valued at	Valued at		
Financial liabilities	acquisition costs	acquisition costs	94,300	94,300
	Valued at	Valued at		,
Other financial liabilities	acquisition costs	acquisition costs	4,261	4,261
		 	181,702	181,702

The following table shows the reconciliation of the carrying amounts of financial assets and liabilities in accordance with IAS 39 as of December 31, 2017 to the carrying amounts in accordance with IFRS 9 as of January 1, 2018.

#### RECONCILIATION OF CARRYING AMOUNTS (IAS 39 TO IFRS 9)

EUR 000s	Book value according to IAS 39 at 31/12/2017	Reclassification effect	Valuation effect	Book value according to IFRS 9 at 1/1/2018
Financial instruments valued at acquisition cost				
Trade receivables	70,613	0	0	70,613
Securities	219	0	0	219
Other financial assets	31,624	0	0	31,624
Cash and cash equivalents	58,578	0	0	58,578
Total financial instruments valued at acquisition cost	161,034	0	0	161,034
Available for sale financial assets				
Equity interests measured at fair value	32,610	- 32,610	0	0
Total available for sale financial assets	32,610	- 32,610	0	0
Financial assets held for trading				
Securities	461	- 461	0	0
Total financial assets held for trading	461		0	0
Financial assets at fair value through other comprehensive income (FVOCI)				
Equity shares	0	32,610	0	32,610
Total financial assets at fair value through other comprehensive income (FVOCI)	0	32,610	0	32,610
Financial assets at fair value through profit or loss (FVPL)				
Securities	0	461	0	461
Total financial assets at fair value through profit or loss (FVPL)	0	461	0	461



Current Management Board of OHB SE: Dr. Lutz Bertling, Marco Fuchs, Kurt Melching and Klaus Hofmann (from left to right)

#### **AUDIT REVIEW**

This interim report has not been audited orreviewed by a statutory auditor in a cordance with Section 317 of the German Commercial Code.

# RESPONSIBILITY STATEMENT BY MANAGEMENT

"To the best of our knowledge, the interim consolidated financial statements give a true and fair view of the profit or loss, financial position, assets and liabilities of the Group in accordance with the generally accepted principles of proper accounting, and the interim management report of the Group includes a fair review of the development and performance of the business and the position of the Group, together with a description of the principal opportunities and risks associated with the expected development of the Group for the remaining months of the financial year."

Bremen, May 9, 2018 The Management Board

#### **IMPRINT**

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\* European global satellite-based navigation system. The FOC (full operational capability) phase of the Galileo programme is being funded by the European Union. The European Commission and the European Space Agency ESA have signed a contract under which ESA acts as the development and sourcing agency on behalf of the Commission. The views expressed here do not necessarily constitute the positions of the European Union and ESA. "Galileo" is a registered trademark owned by the EU and ESA under the HABM application number 002742237.

# 2018/2019

Q2/6M INTERIM REPORT/

Analyst conference call

AUGUST 9, 2018

**INVESTOR CONFERENCE** 

Commerzbank Sector Conference, Frankfurt/Main

AUGUST 28-30, 2018

INVESTOR CONFERENCE BERENBERG & GOLDMAN SACHS
Seventh German Corporate Conference,

Munich

**SEPTEMBER 24-26, 2018** 

Q3/9 INTERIM REPORT/

Analyst conference call

**NOVEMBER 13, 2018** 

GERMAN EQUITY FORUM

Analyst conference call, Frankfurt/Main

**NOVEMBER 26-28, 2018** 

CAPITAL MARKET DAY 2019

FEBRUARY 12, 2019

**CONSOLIDATED FINANCIAL STATEMENTS 2018** 

Annual press conference, Bremen Analyst conference (DVFA), Frankfurt/Main MARCH 20, 2019 08.30 am 01.00 pm

Q1/3M INTERIM REPORT/

Analyst conference call

MAY 9, 2019

ANNUAL GENERAL MEETING

MAY, 2019

Bremen

AUGUST 13, 2019

Q2/6M INTERIM REPORT

Analyst conference call

NOVEMBER 12, 2019

Q3/9M INTERIM REPORT Analyst conference call

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