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# PATH TO MORE STREAMLINED SATELLITE SYSTEMS' DEVELOPMENT | OH B SPACE SYSTEMS

OPERATIONAL INNOVATION IN OH B

C. PEDERSOLI, MEMBER OF THE MANAGEMENT BOARD OF OH B SYSTEM AG

# AGENDA

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**01** OHB Space systems operational objectives

**02** OHB System implementation

**03** Examples from the other main subsidiaries

**04** Conclusions

# OHB SPACE SYSTEMS OPERATIONAL OBJECTIVES

## SCOPE

As a contribution to the achievement of the financial objectives, clear operational directives have been defined in order to improve time and cost to market for satellites and instruments development.



## SPACE SYSTEMS

**OHB System AG**  
Bremen &  
Oberpfaffenhofen,  
Germany  
100%

**OHB Italia S.p.A.**  
Milan,  
Italy  
100%

**OHB Sweden AB**  
Stockholm,  
Sweden  
100%

**Antwerp Space N.V.**  
Antwerp,  
Belgium  
100%

**LuxSpace Sàrl**  
Betzdorf,  
Luxembourg  
100%

**OHB Czechspace s.r.o.**  
Brno,  
Czechia  
100%

**OHB Hellas mon.E.P.E.**  
Athens,  
Greece  
100%

**Satellites + Systems ≈ 1,900 Employees**

# OHB SPACE SYSTEMS OPERATIONAL OBJECTIVES



## SCOPE

### Strong heritage

Solid technical baseline for our projects  
Lessons learnt implementation  
Basis for the definition of operational improvements

### Innovative culture

Innovation as part of our daily working life  
Strong, targeted R&D program  
Group-wide technical exchange  
Opportunistic, entrepreneur-like approach

### Passion and dedication

Strong tradition in the space industry  
Steady engagement of our employees  
Responsibility and accountability



# OHB SPACE SYSTEMS OPERATIONAL OBJECTIVES



## OVERVIEW OF OBJECTIVES

### Coordinated objectives implementation plan

Streamlining of inter-companies activities  
Standardisation of common processes and tools within the group.

Finalisation of the Group Competence Centres

Development or the consolidation of the subsidiary's leadership on a specific product for the overall group interest

### Customised Objectives

Derived from the financial objectives for the various companies.

Carefully tailored to the different realities, thus targeting directly each company's efficiency.

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# OHV SYSTEM IMPLEMENTATION

# OHB SYSTEM IMPLEMENTATION

CURRENT STATUS AND PLAN FOR 2022



Establishing OHB System as the most innovative, best value for money European supplier of complex space solutions.

Engineering processes and consolidated approach to project and program management

Reflecting our deep understanding of customers' needs into our projects

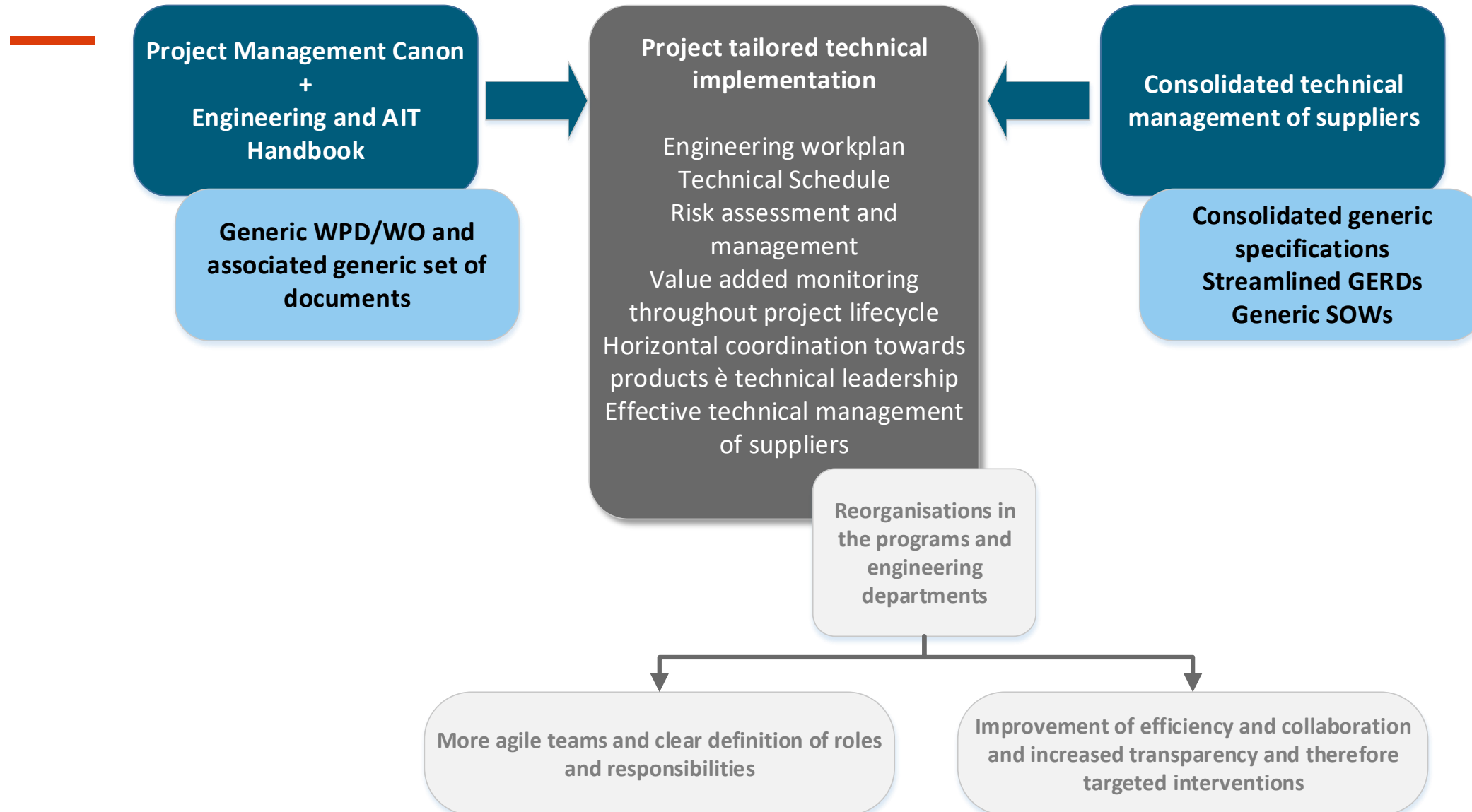
Institutional and commercial projects

Implementing streamlined guideline baseline processes tailored to the different projects and project types

Solid foundation for both institutional and commercial projects.  
Sufficient flexibility during the project lifetime.  
Innovative, bold approach, which characterises (not only) commercial projects.

# OHB SYSTEM IMPLEMENTATION

## UPCOMING ACTIVITIES





# OHB SYSTEM IMPLEMENTATION

CURRENT STATUS AND PLAN FOR 2022



**Technical and technological directives are currently being developed into R&Ds or working groups**

**from telecommunications, earth observation, reconnaissance, navigation and security to science and astronautical spaceflight.**

**from smaller payloads and missions to large satellite projects and space infrastructure programs**

**Further development of selected competences and for the support of the group competence centers.**

**Digitalisation of engineering processes, development and methodology: introduction of MBSE, completion of roll-out of PDM, paperless AIT.**

**Support of the sister companies in the development of key subsystems and establishment of new working methodologies, also with the participation of the customers.**



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# EXAMPLES FROM THE OTHER MAIN SUBSIDIARIES

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OHB ITALY



**Operational improvements on three levels:**

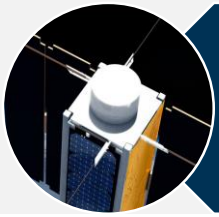
*BU → Matrix*

*Project ↔ Product*

*Improved operational measurement of efficiency*



**System and subsystem competence as required to be an established mission prime contractor**



**Work on group competence centers**

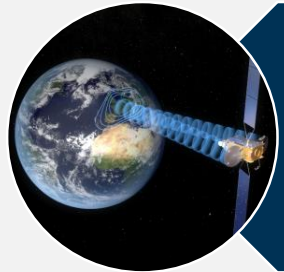


# EXAMPLES FROM THE OTHER MAIN SUBSIDIARIES

OH B SWEDEN



**Innosat product → roadmap for increased performance, competitiveness and reliability**



**Further development of relevant Subsystem capabilities**



**Work on group competence centers**



# EXAMPLES FROM THE OTHER MAIN SUBSIDIARIES

LUXSPACE



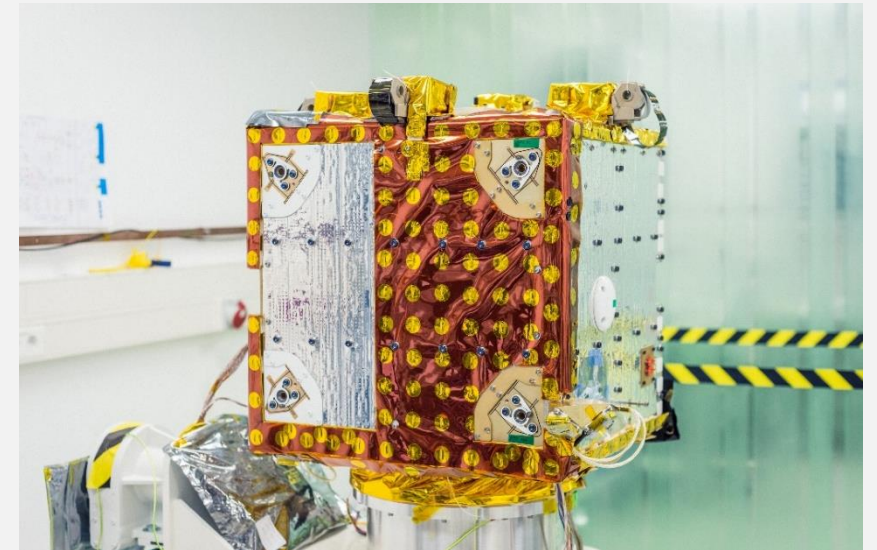
**Triton-X established in commercial market**



**Successful positioning within the commercial small satellite market (50-150kg)**



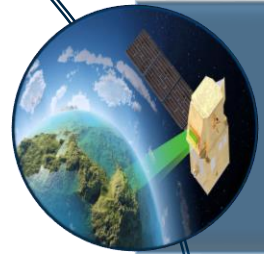
**Work on group competence centers**



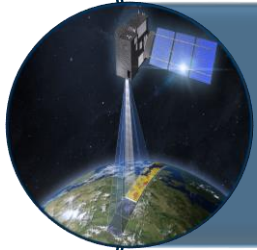
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# CONCLUSIONS

# CONCLUSIONS



The strength of OHB as a group lies in the capability to build upon several decades of experience in the space industry (and not only!) in the context of an innovative and entrepreneurial culture, which is underlying in all our activities and based also on the passion and dedication of our employees.



OHB is determined, on the basis of the objectives defined for the operational improvement to achieve new financial and operational performance targets.



This mixture of a solid baseline and continuous innovation is what is driving the improvements, which I have presented today.



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# THANK YOU!

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