#### **DLR Innovation Lab EmpowerAX –**

## **Strengthened accessibility of Additive Extrusion for industry**

Knowledge for Tomorrow

Institute of Composite Structures and Adaptive Systems

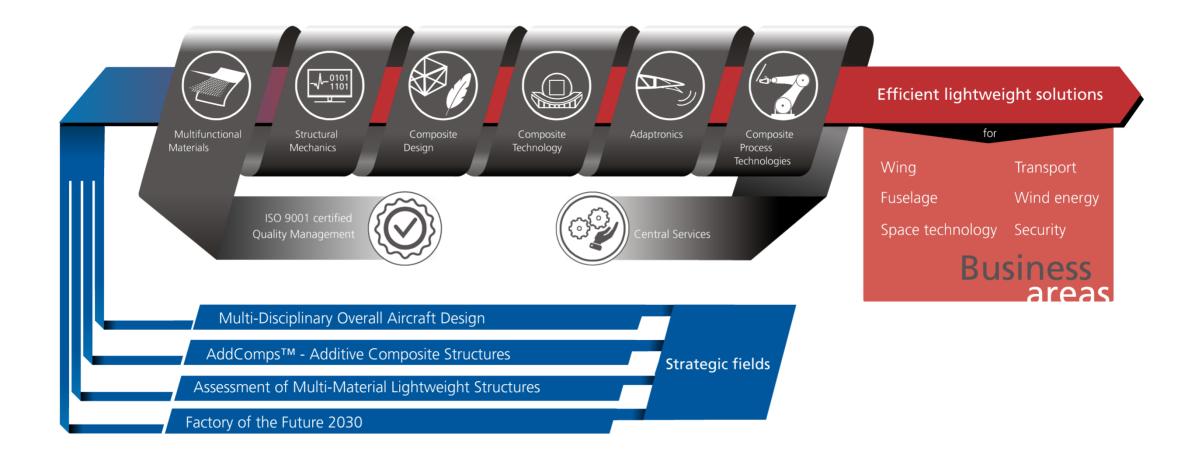
Speaker: Xenia Sophia Stumpf (Xenia.Stumpf@dlr.de)

#### The institute in detail – six scientific departments, certified laboratories



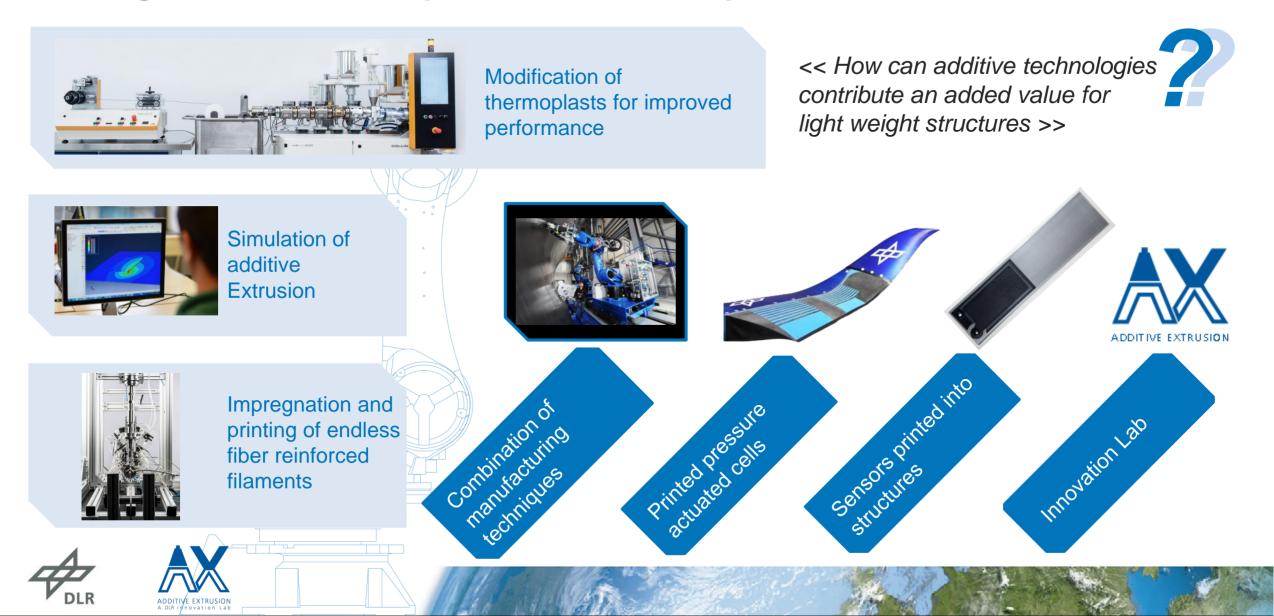


#### The institute in detail – six scientific departments, certified laboratories





## Strategic field – AddComps™ – Additive Composite Structures



#### **DLR Innovation Lab EmpowerAX – What it is**



- DLR-Innovation Lab Empower Additive Extrusion (EmpowerAX)
- Operated by Institute of Composite Structures and Adaptive Systems in cooperation with DLR department for Technology Marketing
- Demand-oriented, industry-diversified platform for international technology users and providers for Additive Extrusion





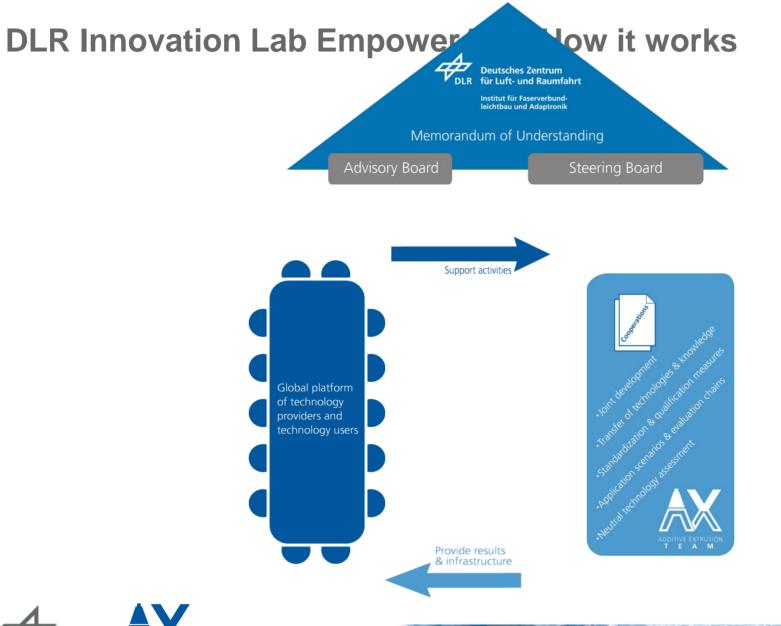
### **DLR Innovation Lab EmpowerAX – Goals**



- Acting as a **neutral technology** platform
- Strengthening the accessibility of Additive Extrusion technologies for industry
- Development of a technology assessment program for Additive Extrusion technologies
- Development of industry and application-oriented
  standardization and qualification methods for Additive Extrusion
  technologies
- Identification of use cases
- Lowering investment hurdles
- Strengthening of technology transfer

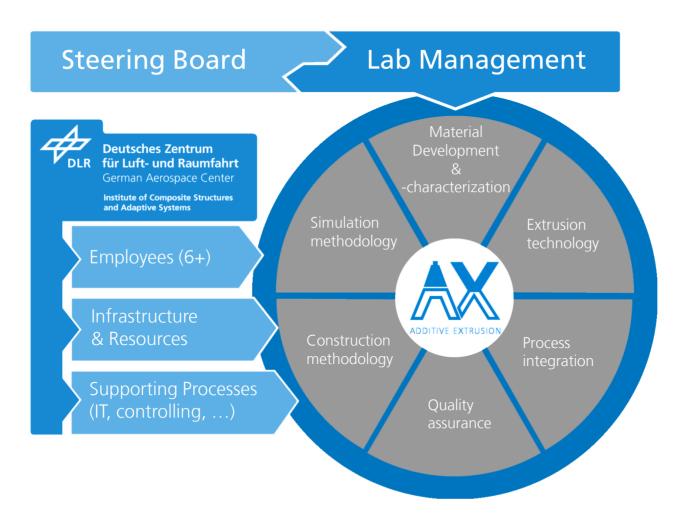






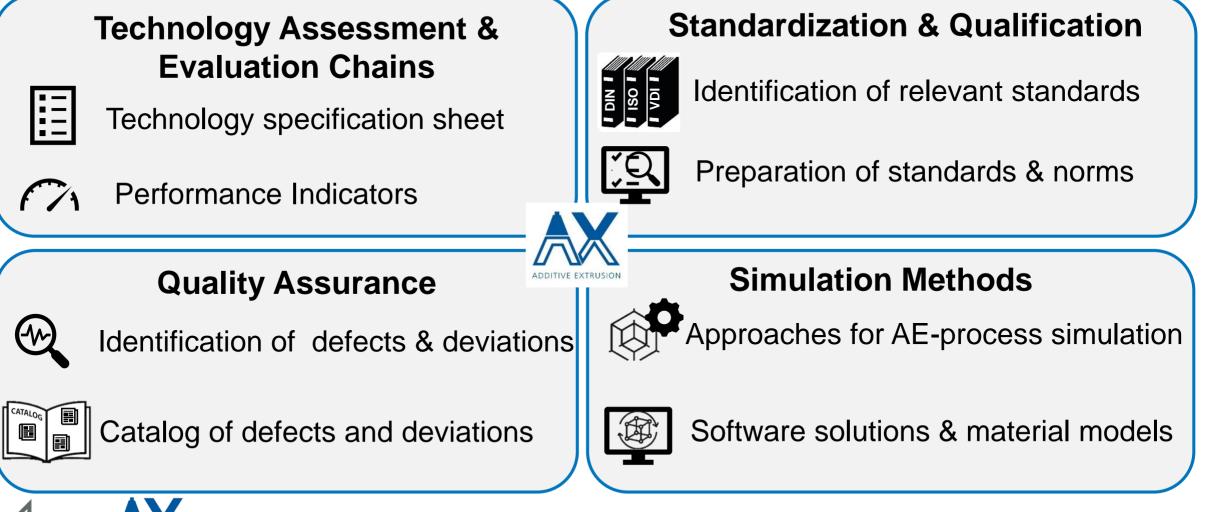


## **DLR Innovation Lab EmpowerAX – Resources & Competence**



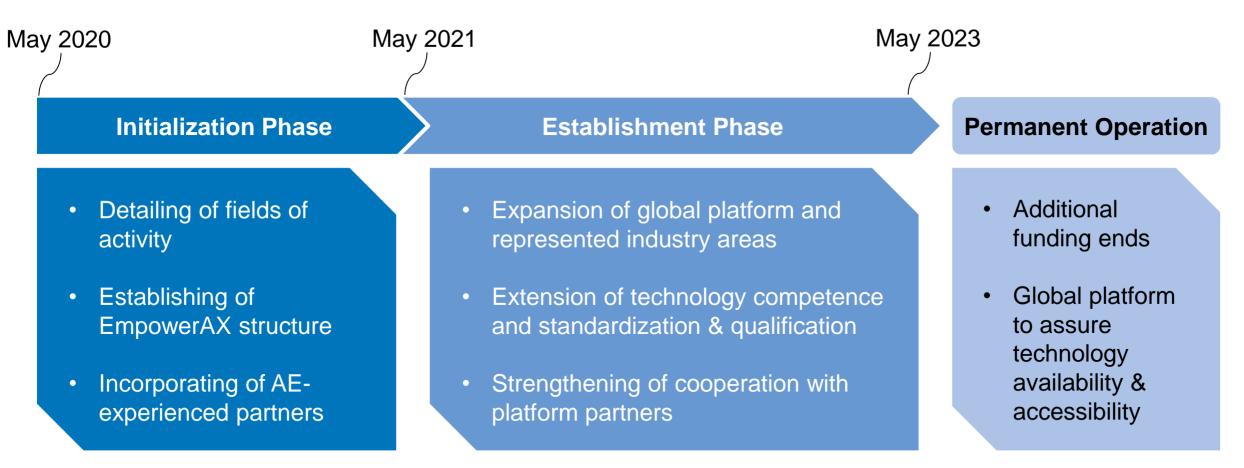


## **DLR Innovation Lab EmpowerAX– Current Work Activities**





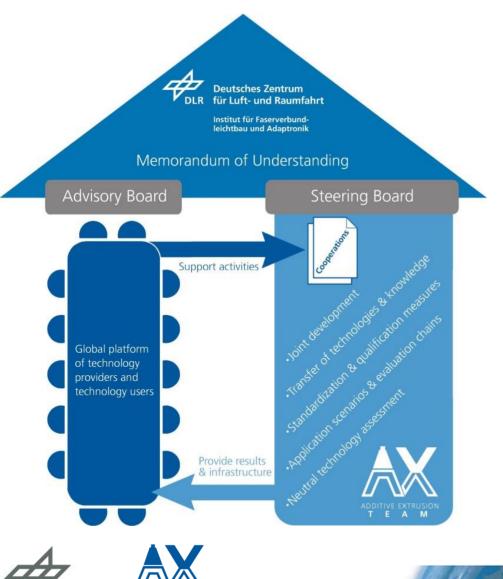
## **DLR Innovation Lab EmpowerAX - Next Steps**



We encourage you to actively join EmpowerAX and benefit from industrial use of Additive Extrusion.



## **DLR Innovation Lab EmpowerAX – Summary**



Global platform with knowledge base **Easy Access Motivation** Technology leaders (users & providers) Technology neutral (operated by DLR) Access to resources for partners MoU as a general framework

# Sources



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