



## Guiding towards industrial Additive Manufacturing readiness

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**Mehr Wert.  
Mehr Vertrauen.**

**Add value.  
Inspire trust.**

*are you ?*

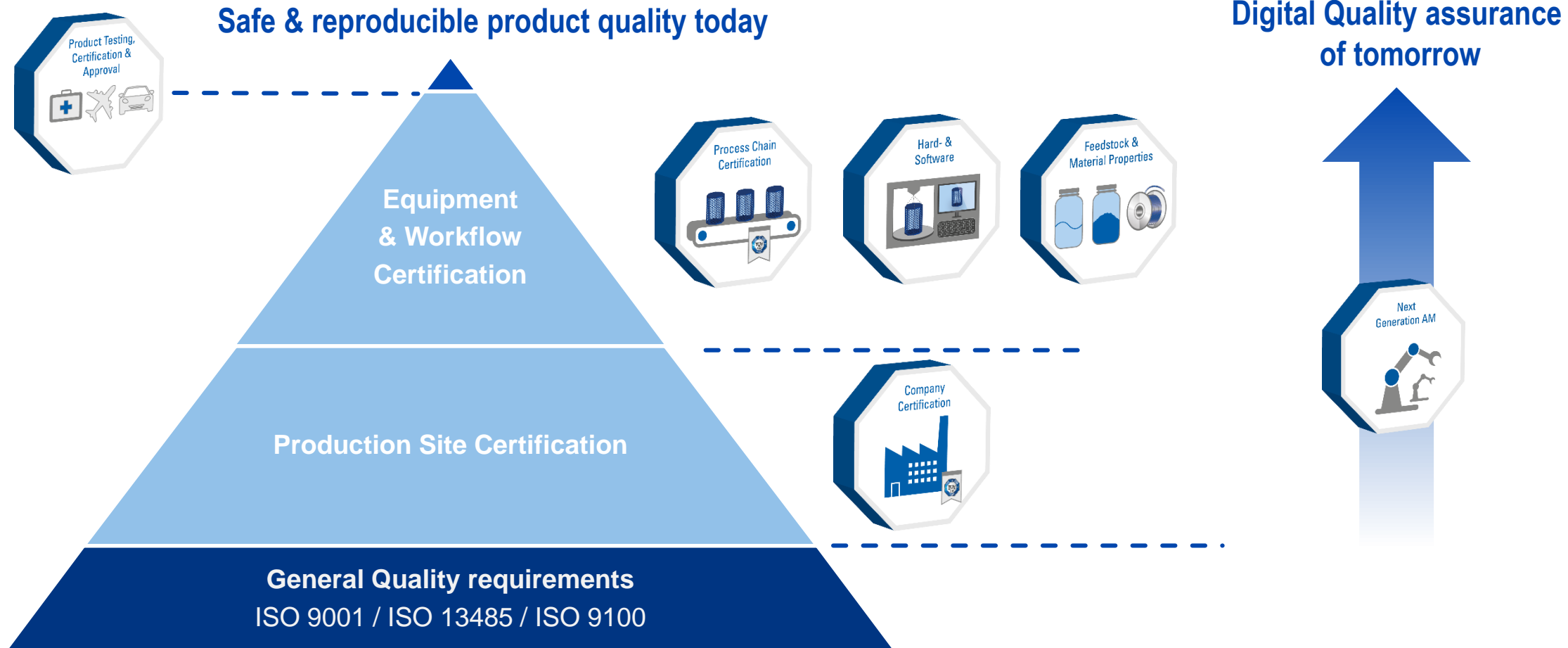
# The problem of industrial AM: We are missing standardized quality assurance for safe and reliable products



**Our mission:**

Making the implementation process  
**efficient** with a **standardized**  
**certification based** approach and  
**digital quality assurance**

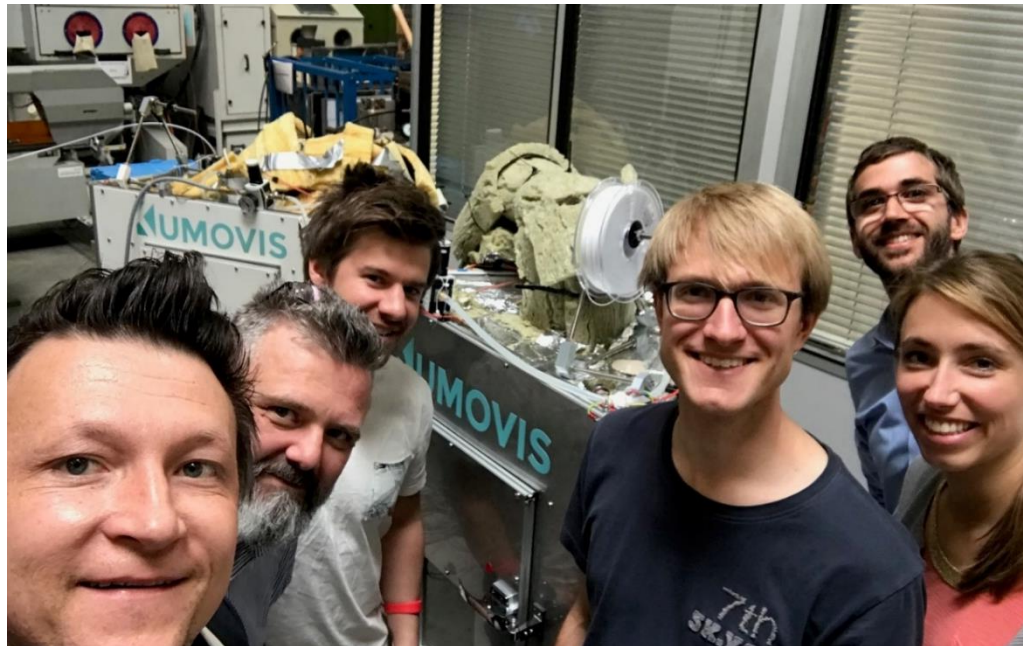
# The solution today is a certification based approach, that enables industrial grade AM



# Enabling AM hardware for regulated industries

*Problem: Today's start ups struggle with the requirements set up by regulated industries.*

*Case study iAM readiness for start up "Kumovis"*



2017

2019



### Hard- & Software

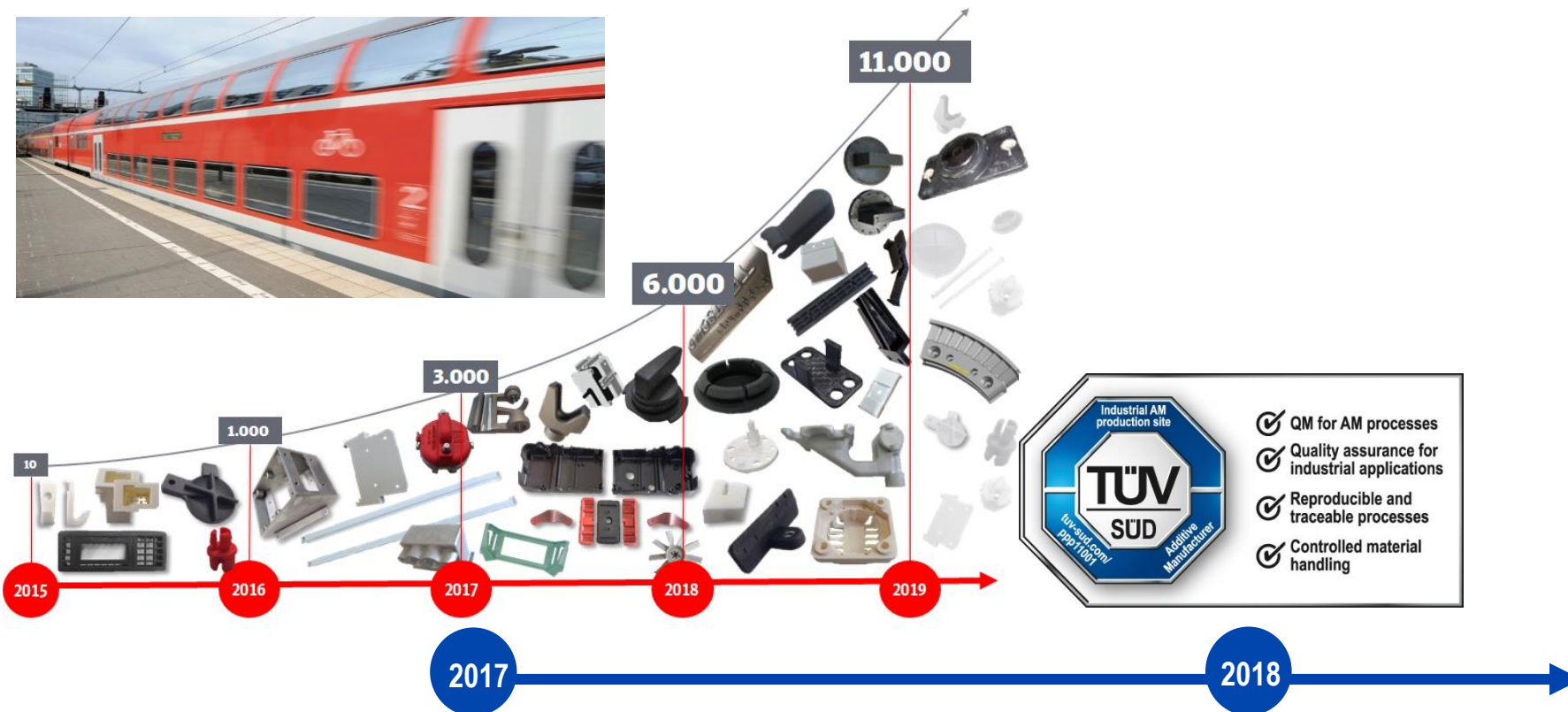
- Medical experts
- Patient specific medical devices
- High performance plastics
- PLA to PEEK processable

**Solution: Our certification schemes make "innovation in AM" predictable**

# Enabeling OEMs like Deutsche Bahn to regulate the supplier market

*Problem: Today's OEMs are often defining their own audit schemes, where AM specific Quality assurance criteria are missing and the audits require lot of resources on the supplier side*

## Case Study DB transportation provider



- ✓ QM for AM processes
- ✓ Quality assurance for industrial applications
- ✓ Reproducible and traceable processes
- ✓ Controlled material handling

### Production Site

- Spare parts on demand business model
- Procurement from qualified service providers
- Plastics and metals

**Solution: We are providing international standards (ISO/ASTM 52920) for additive manufacturing centers, that each OEM can rely on**



# Enabeling AM facilities for industrial grade production

*Problem: The “product & industry specific” requirements are often mixed with “AM technology” requirements*



- ✓ QM for AM processes
- ✓ Quality assurance for industrial applications
- ✓ Reproducible and traceable processes
- ✓ Controlled material handling

2018

2019

*Solution: With our “industrial AM production” side certification industry specific requirements are manageable*

Product TIC

Production Site Certification



Workflow & process

Trainings & Personnel Certification

Feedstock & Material

Digital Quality Assurance

Hardware & Software

Standards

- *Quality Requirements for iAM Hardware*
- *Requirements for iAM Sites*
- *Industrial conform workflow definitions*
- *Metal Powder reuse*
- *Data Packages definition*
- *AM Designer and Coordinator requirements*

