



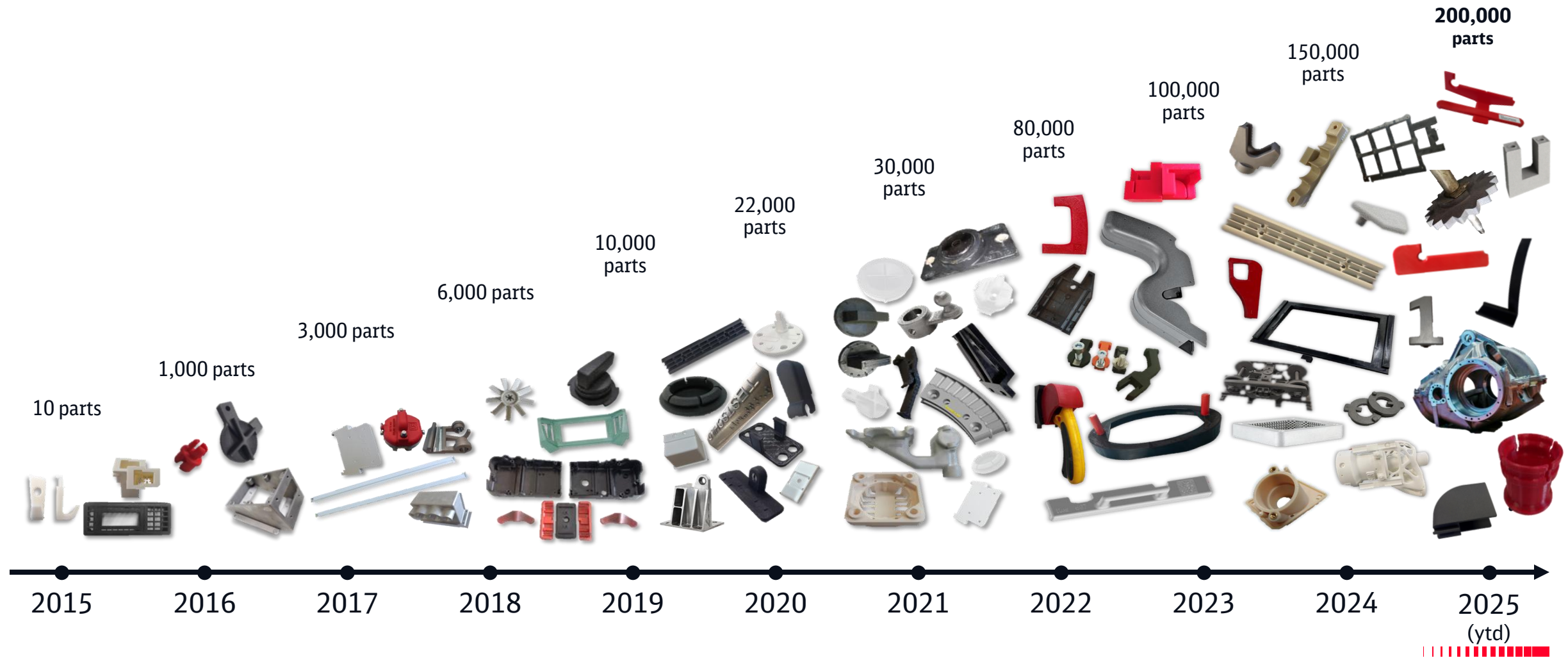
3D printing **DB Fahrzeuginstandhaltung** Print to drive

InnoTrans 2026



1,000 different applications | 200,000+ parts | 12 technologies

Saving effects generated in a two-digit million range



Where 3D printing scores

Partial replacement makes economic sense



Guide sleeve door locking
Track work vehicle

Clearing obsolescence



Terminal box
Air-conditioning motor

Integrating functionalities



Segments for turbines
Steam locomotive

Reducing manufacturing costs



Braille handrail sign
Railway stations

Making use of bionic design



Adapter flange
Control valve test stand

Reduction of tied-up capital



Gearbox housing BR29x
using Rapid Casting

Creating prototypes & samples



Concrete sitting bench
DB Smart City

Manufacturing from batch size = 1



Cable cladding
Special fitting

Perfect-fit auxiliaries & tools



Positioning jig
to stick pictograms

Ensuring parts availability



Air grille
for passenger trains

Your advantage with 3D printing at DB Fahrzeuginstandhaltung: Higher availability | secured inventory | reduced capital employed



Supporting infrastructure projects

Accelerated construction and maintenance as well as more efficient technical conversions through digital models.

Your projects become more cost-effective and complex solutions are faster to implement.



Optimised vehicle availability through on-demand spare parts

Significantly reduced procurement times stabilise operations and cut downtime.

This enhances the passengers' experience and reduces contractual penalties.



Digital warehouses reduce costs, printed tools increase productivity

Reduced inventory levels and capital commitment, as well as mitigated obsolescence, significantly lower total costs. Optimised tools streamline processes and improve quality as well as occupational safety.

3D printing @ DB – our service portfolio

On-demand spare parts, tools for production and prototypes



Our expertise

From concept to operational approval – we provide support along the entire additive manufacturing process chain:

- Feasibility assessment (technical, regulatory, economic)
- 3D scanning and reverse engineering
- Digitisation of spare parts
- Design and production of 3D printed spare parts, tools and prototypes in our own additive manufacturing facility, certified in accordance with DIN EN ISO/ASTM 52920
- Validation and approval support
- Scouting of new 3D printing technologies and materials

Additive manufacturing – certified to DIN EN ISO/ASTM 52920



Standardised processes – fast approvals

The internationally established standard replaces extensive audit and qualification processes



Reliable collaboration

Uniform standards build trust between you and DB as a manufacturing partner



High flexibility in supplier selection

Certified manufacturing facilities are globally comparable and auditable



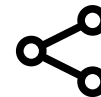
Reproducible component quality

Standardised processes ensure consistent results regardless of production location



Full transparency along the process chain

End-to-end documentation ensures quality and traceability of your components



Access to an established partner network

Proven partnerships and immediate access to an additive manufacturing network from day one





Contact

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