

**AM @ AUDI**

**Dr. Robert Struck**

**Audi** Production Technology / Tool and Press Shop Division

# Audi Metal 3D-Printing Center

## Overview

### Opening

- > 2016

### Material

- > AlSi10Mg  
1.2709

### Employees

- > 4 Engineers
- > 3 Applicators

### Machines

- > EOS M400
- EOS M290
- SLM 280

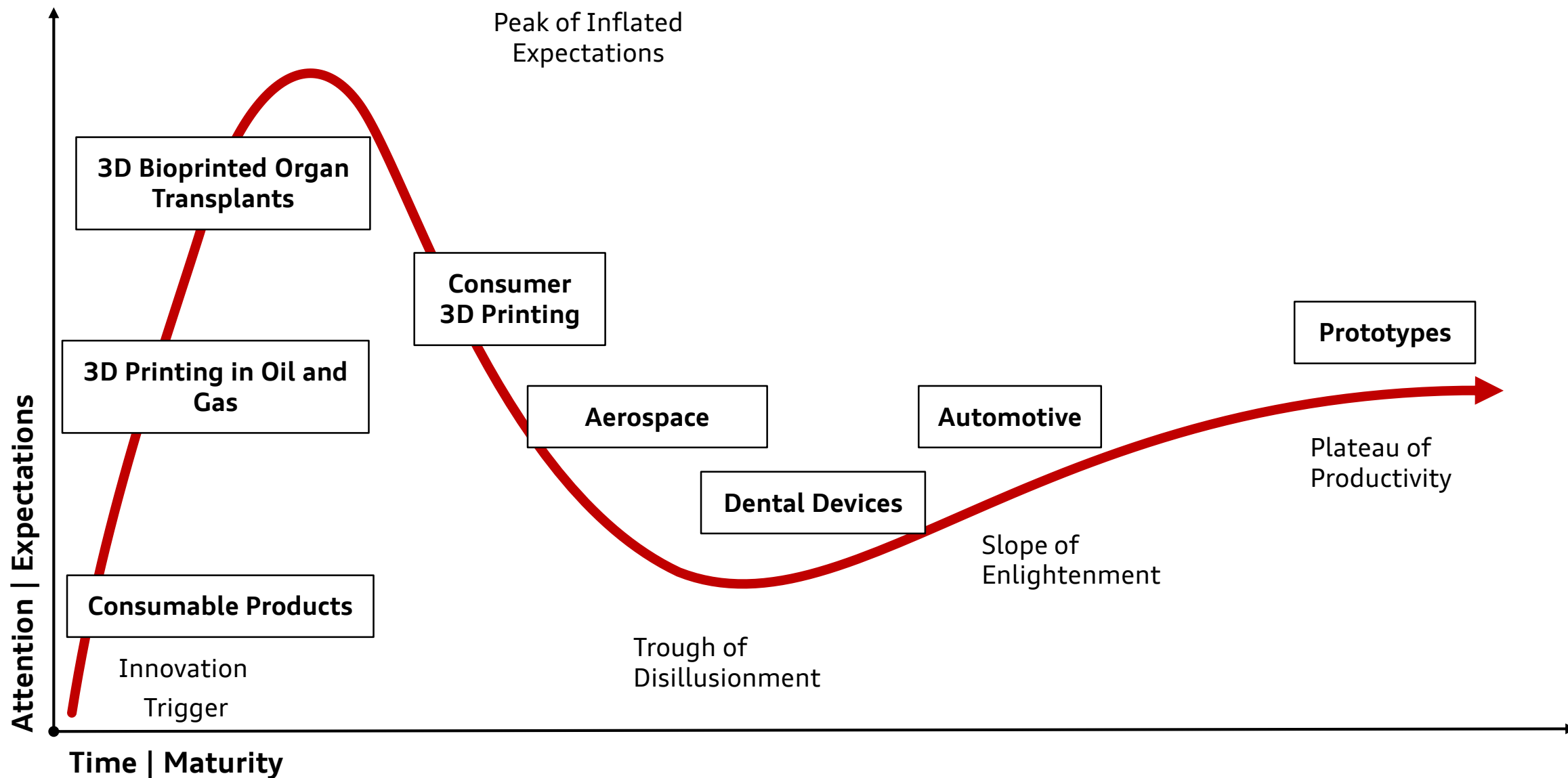


The main goal is the „ industrialization “ of the metallic 3d printing technology.



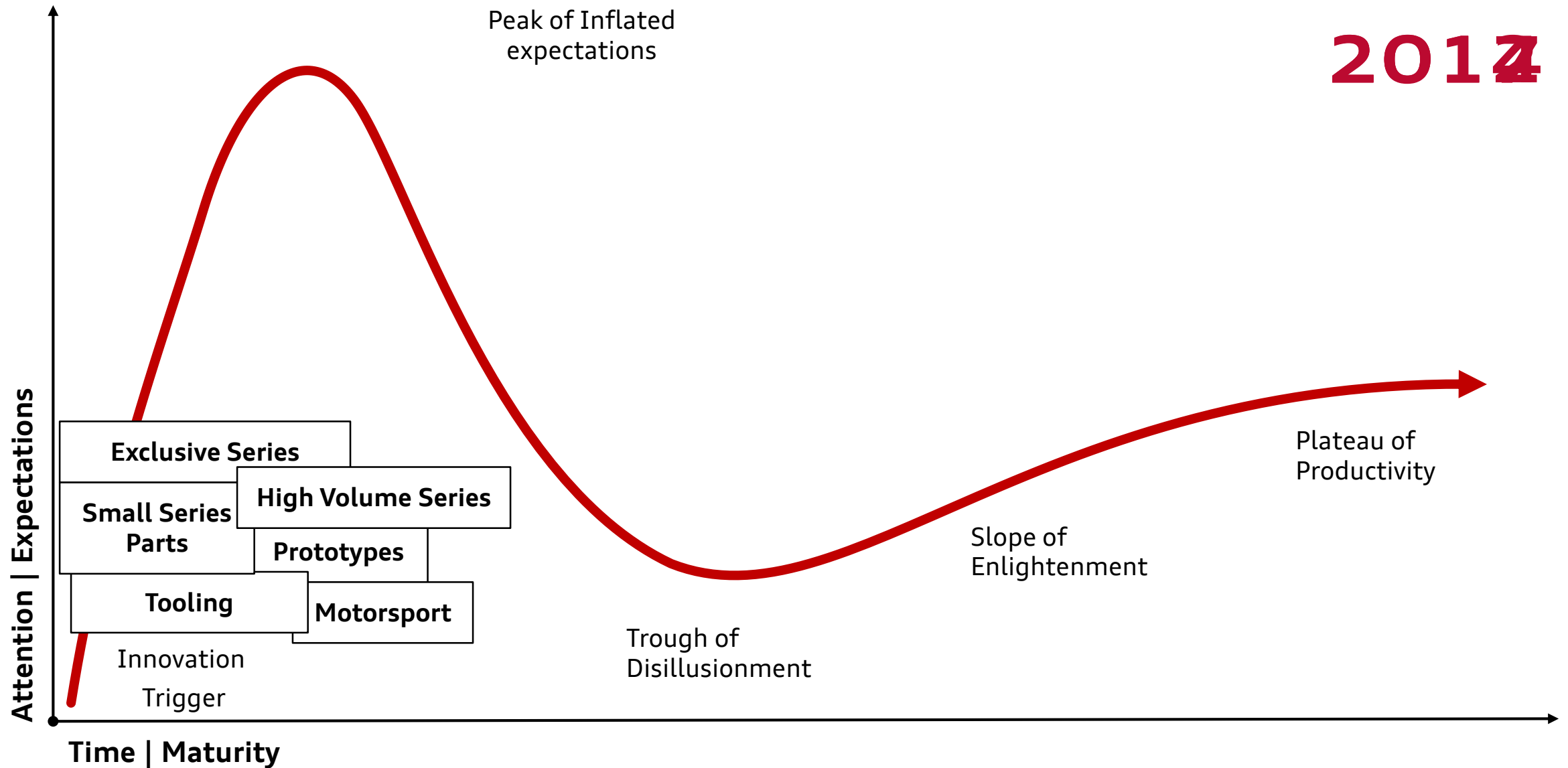
# Hype Cycle

## Metallic 3D-Printing



# Hype Cycle

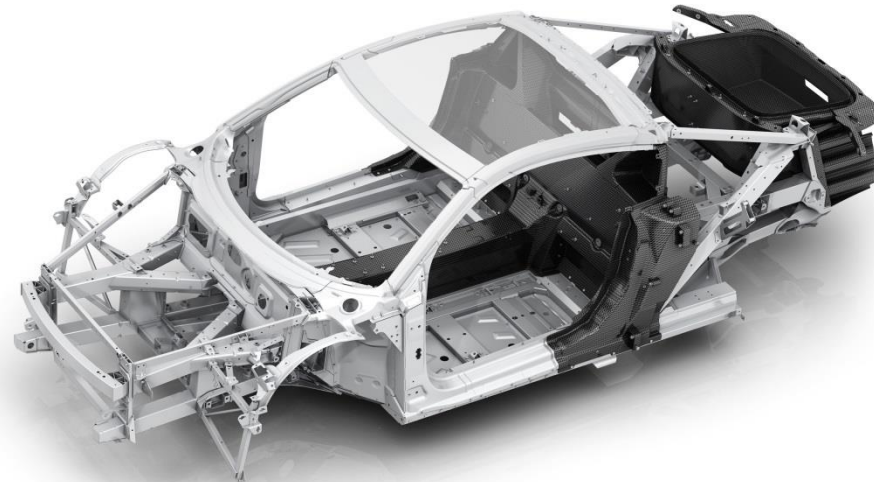
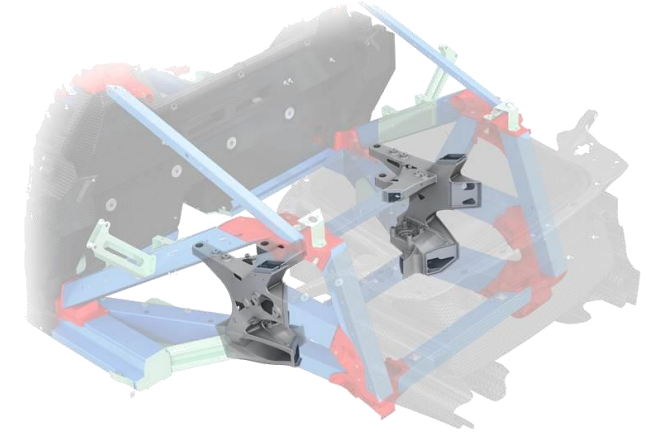
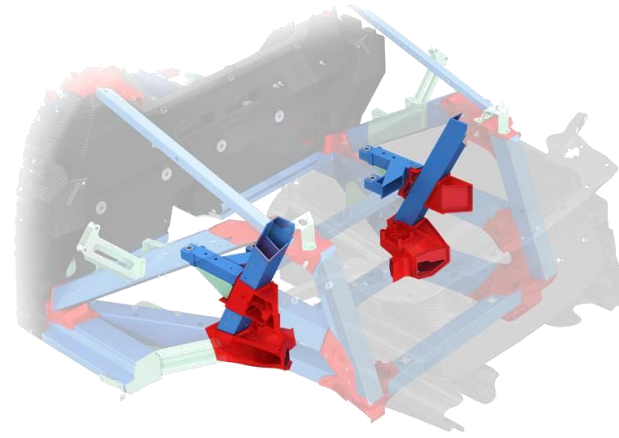
## Metallic 3D-Printing



## Exclusive Series

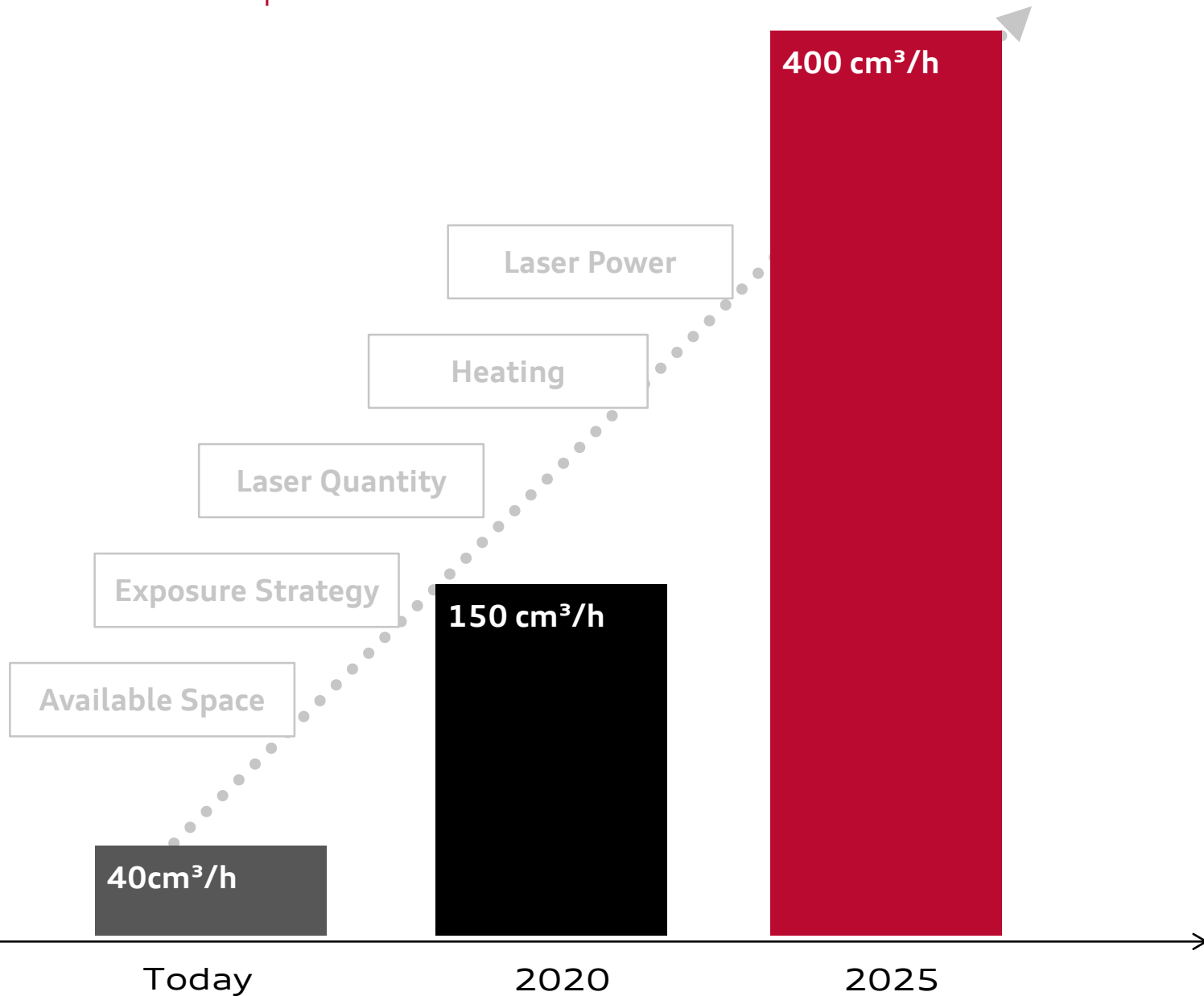
### R8| Z-Reinforcement

- › Material: AlSi10Mg
- › Different wall thicknesses
- › Crash resistance
- › - 12 parts per vehicle
- › - 35 % weight



# Exclusive Series

R8 etron | Z-Reinforcement

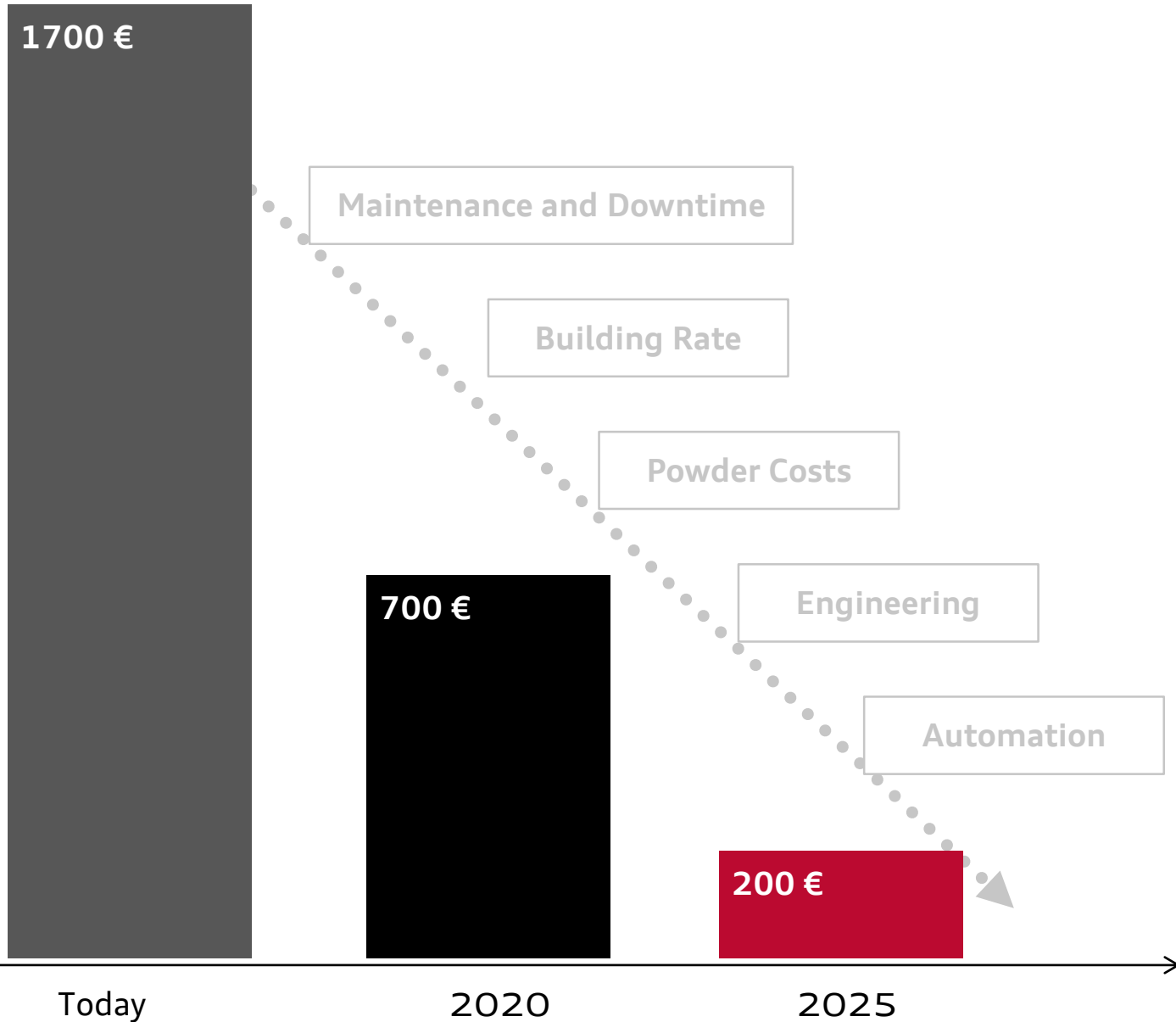


**Building Rate  
Aluminum**



# Exclusive Series

R8 etron | Z-Reinforcement



## Component Costs

Weight: **1kg**

Units: <2.000

Costs: <200 €

>> **Profitable for Small Exclusive Series**





Thank you!

