

## Contact



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# Forward AM

Innovating Additive Manufacturing



# Forward AM – Innovating Additive Manufacturing

Forward AM provides superior materials and solutions with the goal to lead the Additive Manufacturing industrialization. With our access to the full spectrum of BASF's material know-how and our extensive end-to-end services portfolio, we meet our customers highest requirements.

## About Forward AM

- BASF established Forward AM in September 2017 to focus on advanced AM
- Headquartered in Heidelberg, Germany
- Team of over 150 people dedicated to AM
- Our Application Technology Center (ATC) is exclusively focused on delivering outstanding added-value customer applications
- Our global organizational structure is placed in Europe, America and Asia

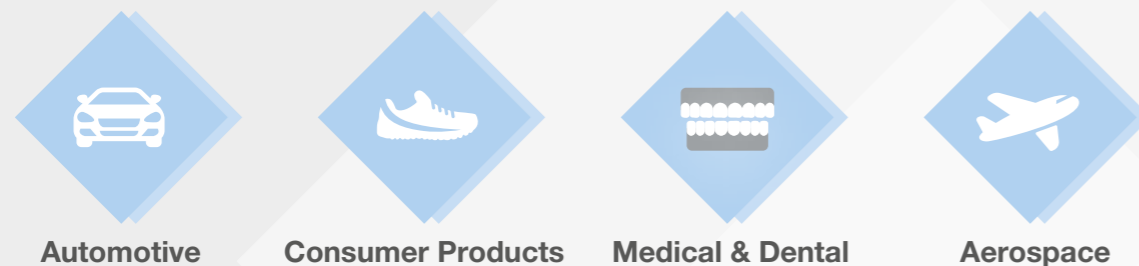
## About the BASF Group

- BASF's quality chemistry is used in almost all industries
- Combining economic success, social responsibility and environmental protection

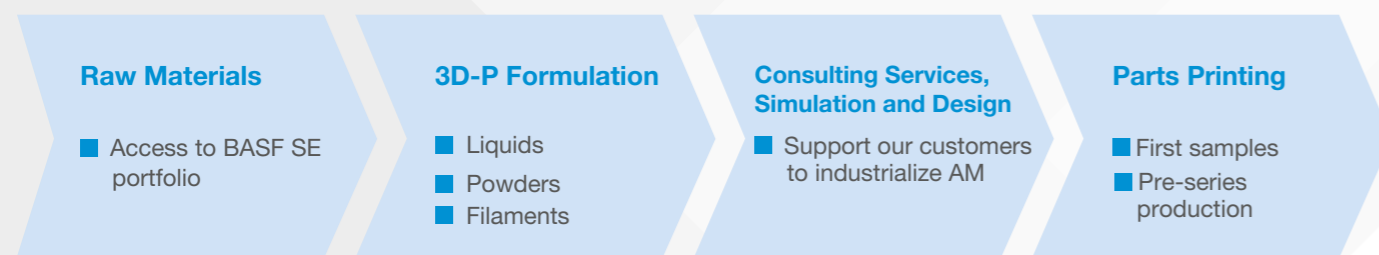
## Forward AM is Unique

| Depth of Experience  | Know-how  | Unique on the Global Market  |
|--|---|--|
| <ul style="list-style-type: none"> <li>■ Taps into decades of BASF proprietary research into advanced 3D printing materials</li> </ul> | <ul style="list-style-type: none"> <li>■ One-stop provider of all advanced AM technologies and application-specific consultancy</li> <li>■ Co-developer of customer-specific AM materials and solutions for global players</li> </ul> | <ul style="list-style-type: none"> <li>■ One of the world's most extensive portfolio of different 3D printing materials</li> <li>■ Direct access to global BASF Group materials portfolio, sourcing and distribution channels</li> </ul> |

## Our Focus Industries



## We Offer Solutions Along the Full Value Chain



”  
We enable our customers to shape the Additive Manufacturing industrial revolution!  
”

# Our Material Solutions and Services

## Powder Bed Fusion (PBF)

The excellent batch-to-batch consistency and superior properties of our Ultrasint® powders create opportunities for new industrial applications.

### Example Applications:

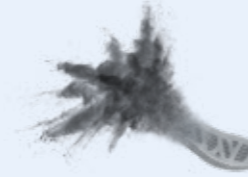
- Robust functional prototypes
- High performance series parts
- Tools jigs & fixtures



**Selective Laser Sintering (SLS)**



**Multi Jet Fusion (MJF)**

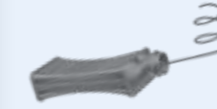


## Filaments for Fused Filament Fabrication (FFF)

The precise diameter tolerances and ease of use of our Ultrafuse® filaments boost the value of your AM applications.

### Example Applications:

- Tools, jigs & fixtures
- (Functional) prototyping
- Footwear, sports & leisure



**Fused Filament Fabrication (FFF)**

## Additive Manufacturing Services

We support you in: Virtual engineering (design for AM, simulation), parts printing, 3D printing consulting, post-processing, coatings and finishing.

### Example applications:

- Realize ideas into printable parts
- Identify & locate low-strength areas
- Reduce the risk of part failure
- Suggest and offer surface treatments

## Photopolymers and Inks

Our Ultracur3D® portfolio for SLA, DLP, LCD and PPJ covers a diverse range of properties for AM applications, from high accuracy to improved impact strength to optimized long-term stability.

### Example Applications:

- Performance prototypes
- Functional end use parts
- Fluid flow models



**Direct Light Processing (DLP)**



**Stereolithography (SLA)**



**Liquid Crystal Display (LCD)**



**Jetting Ink Jet**



## Metal Filaments for FFF

Create 100% metal parts cost-effectively. Our Ultrafuse® metal filament is easy to print on the majority of standard FFF printers.

### Example Applications:

- Series production
- Tool jigs & fixtures
- Functional parts & prototypes



**Fused Filament Fabrication (FFF)**