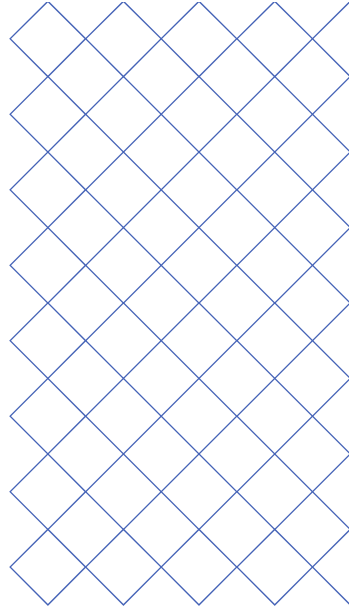


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Digital Factory Transformation
with 3D Printing

3D Printing in Food & Beverage

Patrick Roeffen
Channel Development Manager EMEA
p.roeffen@Ultimaker.com

Ultimaker

ADDITIVE DAYS 2020

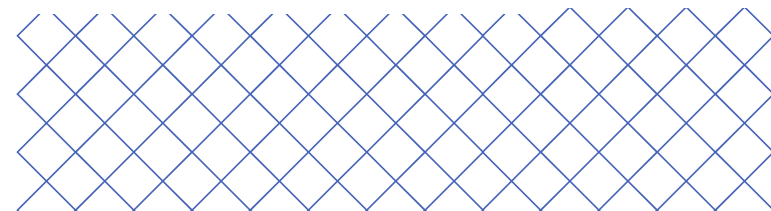
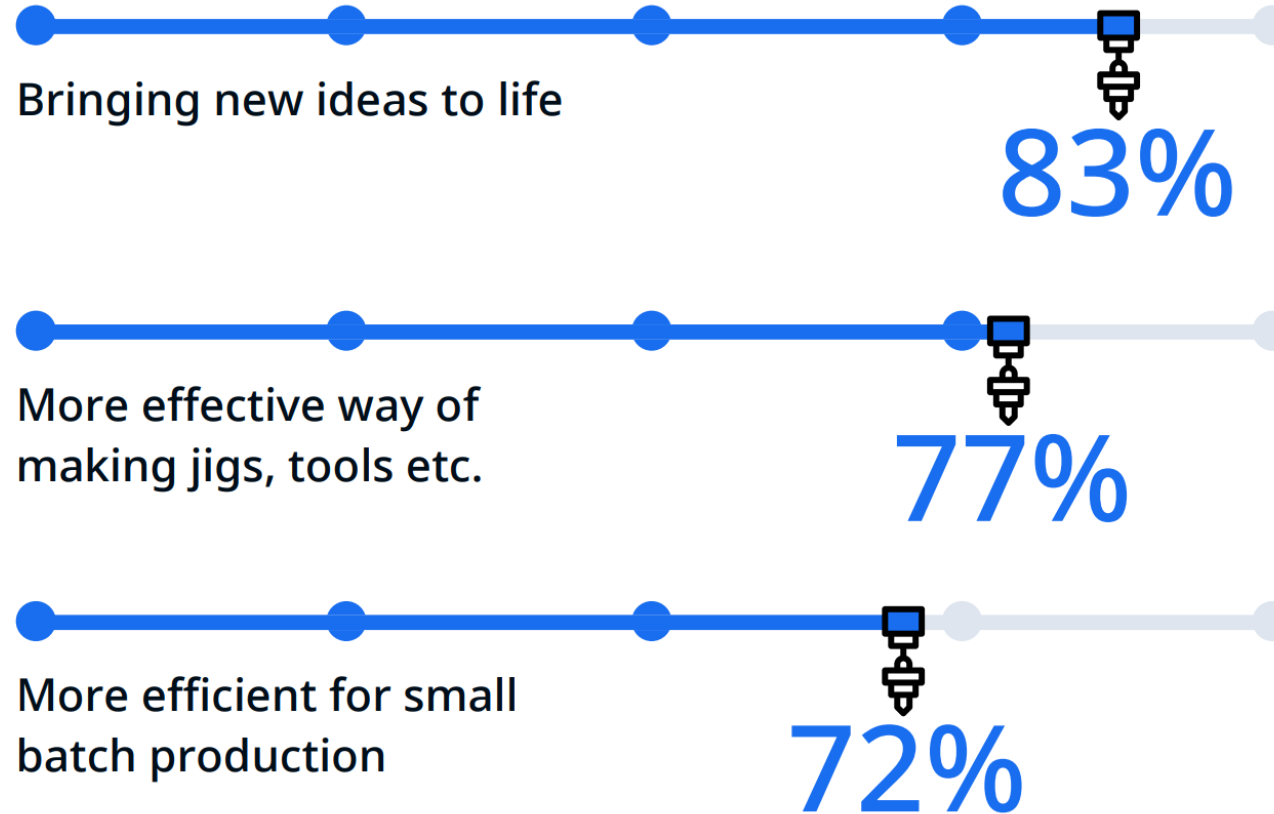
Why are we here?

- To help you create value with 3D Printing
- Save Time
- Save Money
- Faster Time to Market
- Increase uptime of production sites



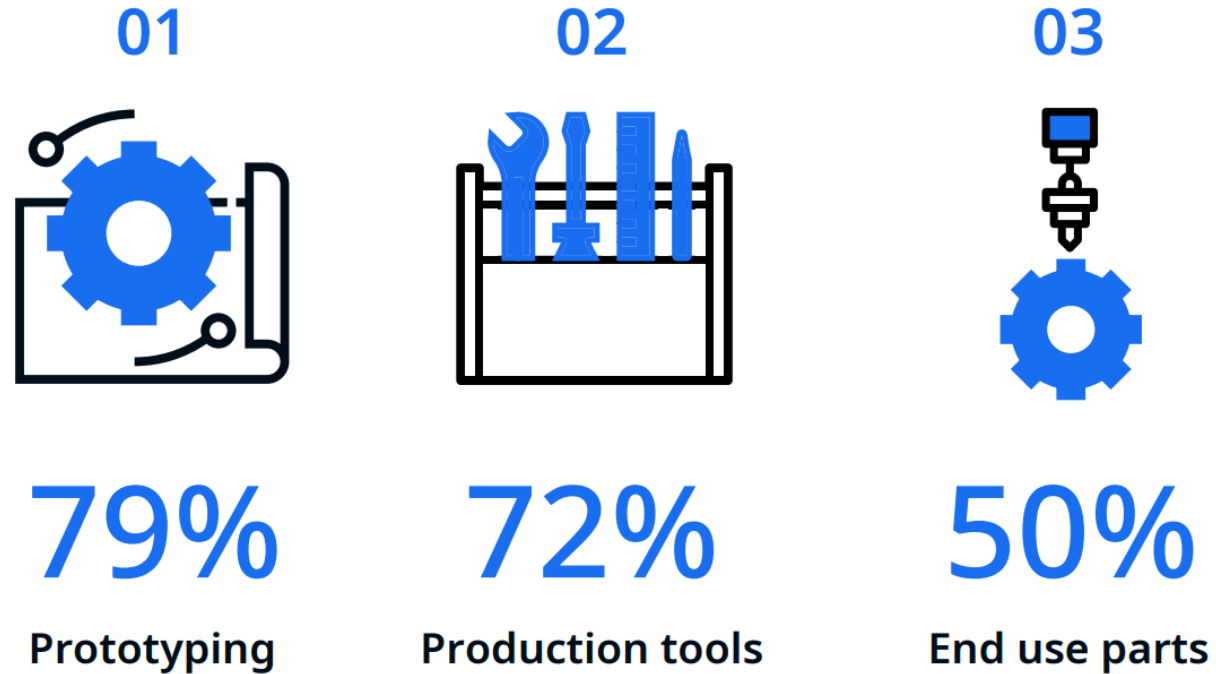
3D Printing Sentiment Index 2019 (1/3)

Perceived benefits

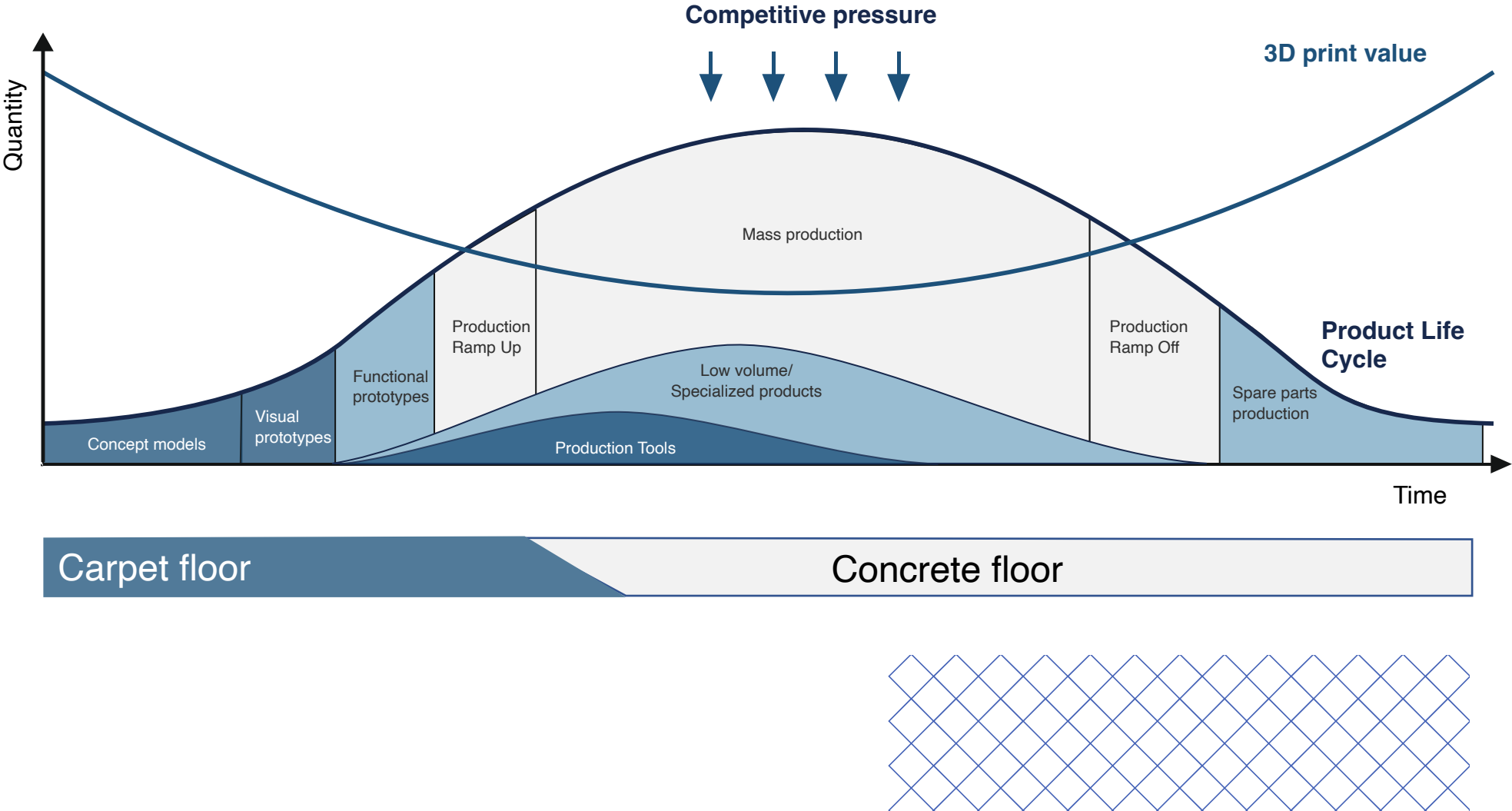


3D Printing Sentiment Index 2019 (2/3)

3D printing usage



Opportunities for 3D Printing in Product's Lifecycle

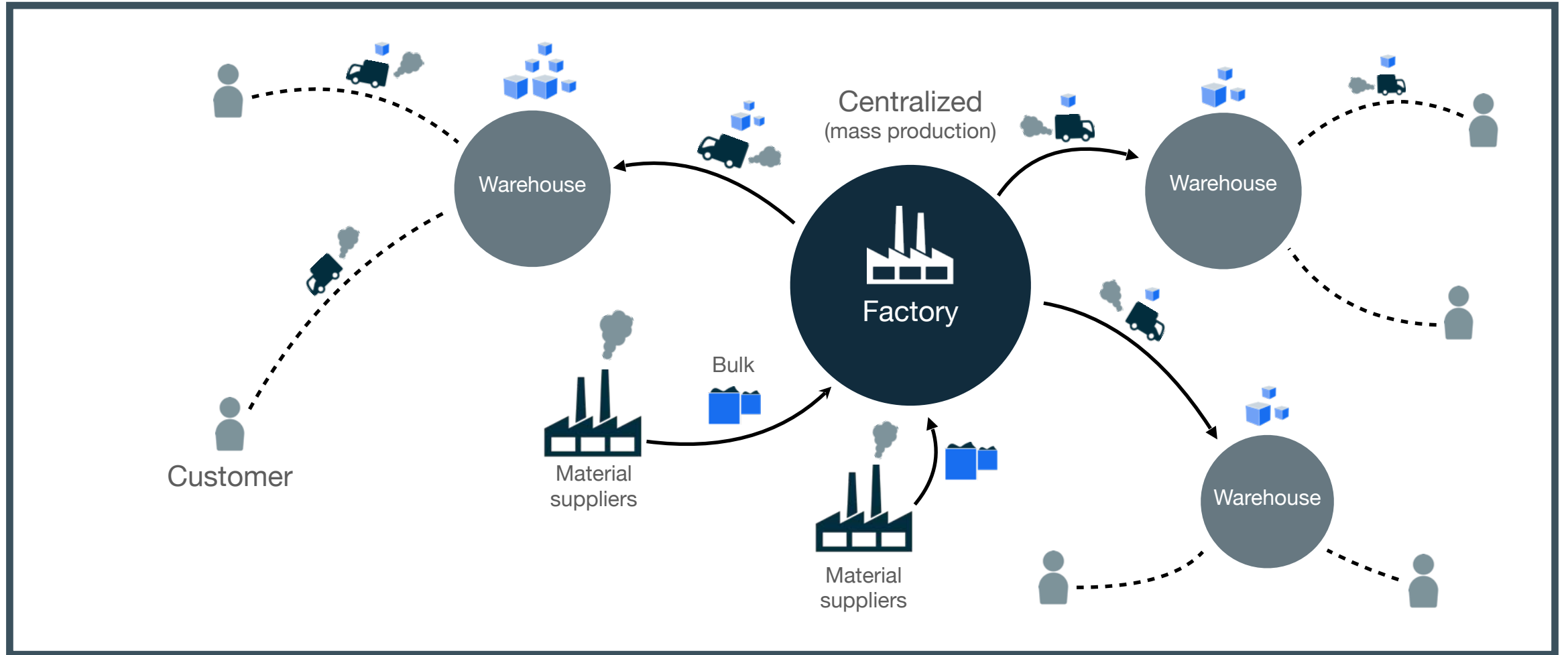




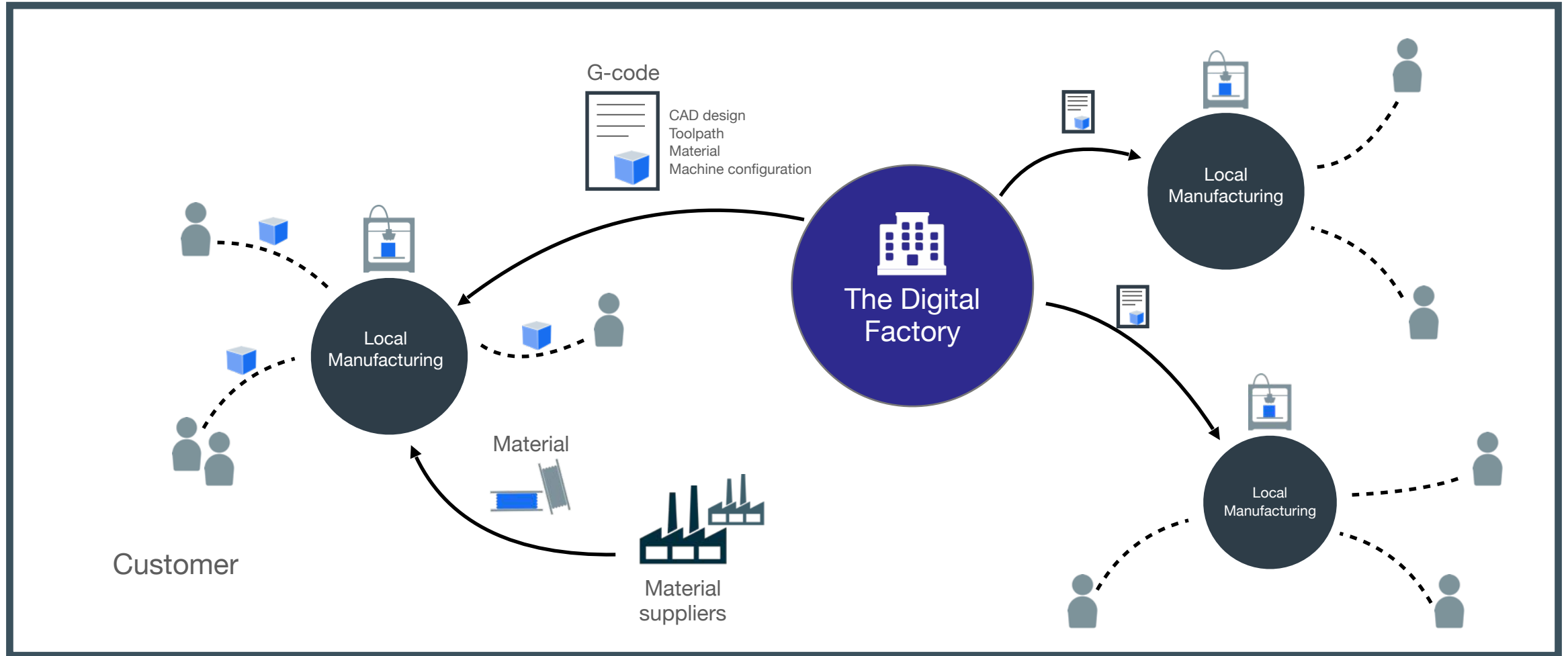
Ultimaker Mission

*“To accelerate the world’s transition to
local digital manufacturing”*

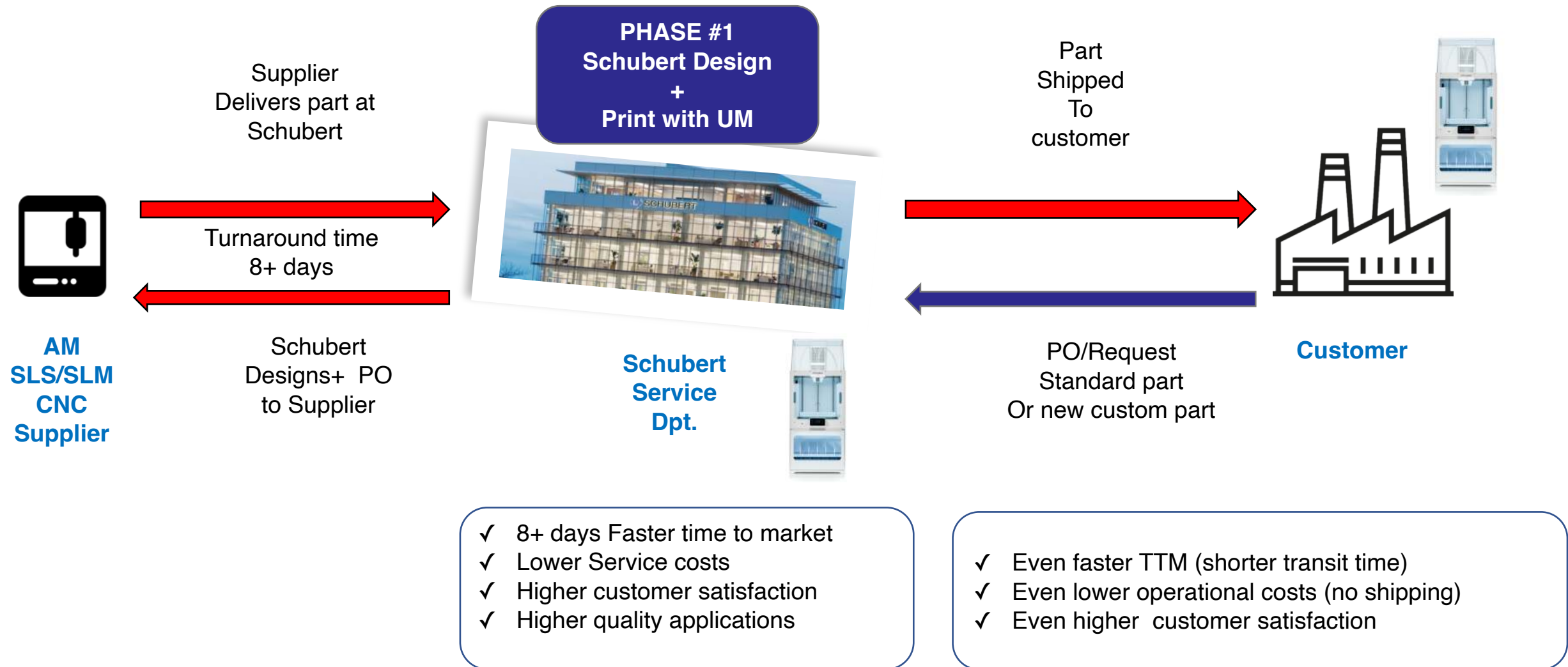
Centralised manufacturing



Local digital manufacturing over 3DP Infrastructure



A great example





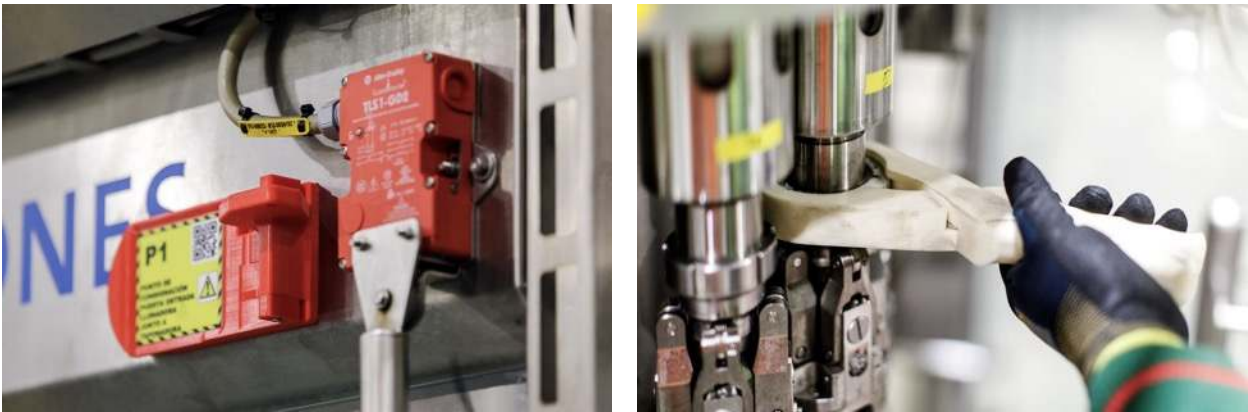
**3D Printing, Local Digital Manufacturing
will make you completely rethink
how to drive product costs down and margins up**

Competition will anyhow

Heineken saves up to 90% cost from 3D Printing

“We’re still in the first stages of 3D printing but have already seen a reduction of costs in the applications that we found by 70-90%, and also a decrease of delivery time of 70-90%..... 3D printing has proven to be a technology that helps us, bring value to us, and enables our people to work more efficiently”

Isabelle Haenen – Global Supply Chain Procurement at Heineken



Stopper Tool	External Suppliers	Ultimaker 3D Printers
Cost		Reduction of 70%
Lead Time	3 days	1 day



Industry:
Industrial Automation / Food Technology

- Results:
- Cost savings – 70-90% per printed part.
 - Reduction in delivery time of 70-90%.
 - 90% reduction in lead time for spare parts.



Potential FFF applications

Uptime improvement

- Pack spinner
- Used to rotate packs of beer for palletizing
- High volume production line
- Impact & wear resistant application
- Infill pattern & density for optimal dampening

Conventional manufacturing	Ultimaker manufacturing
Conventional modification cost € 194,48	Cost of 3D printed part €4,83
Lead time of modification 14 Days	Lead time of 3D printed part 15 hours



Potential FFF applications

Safety equipment

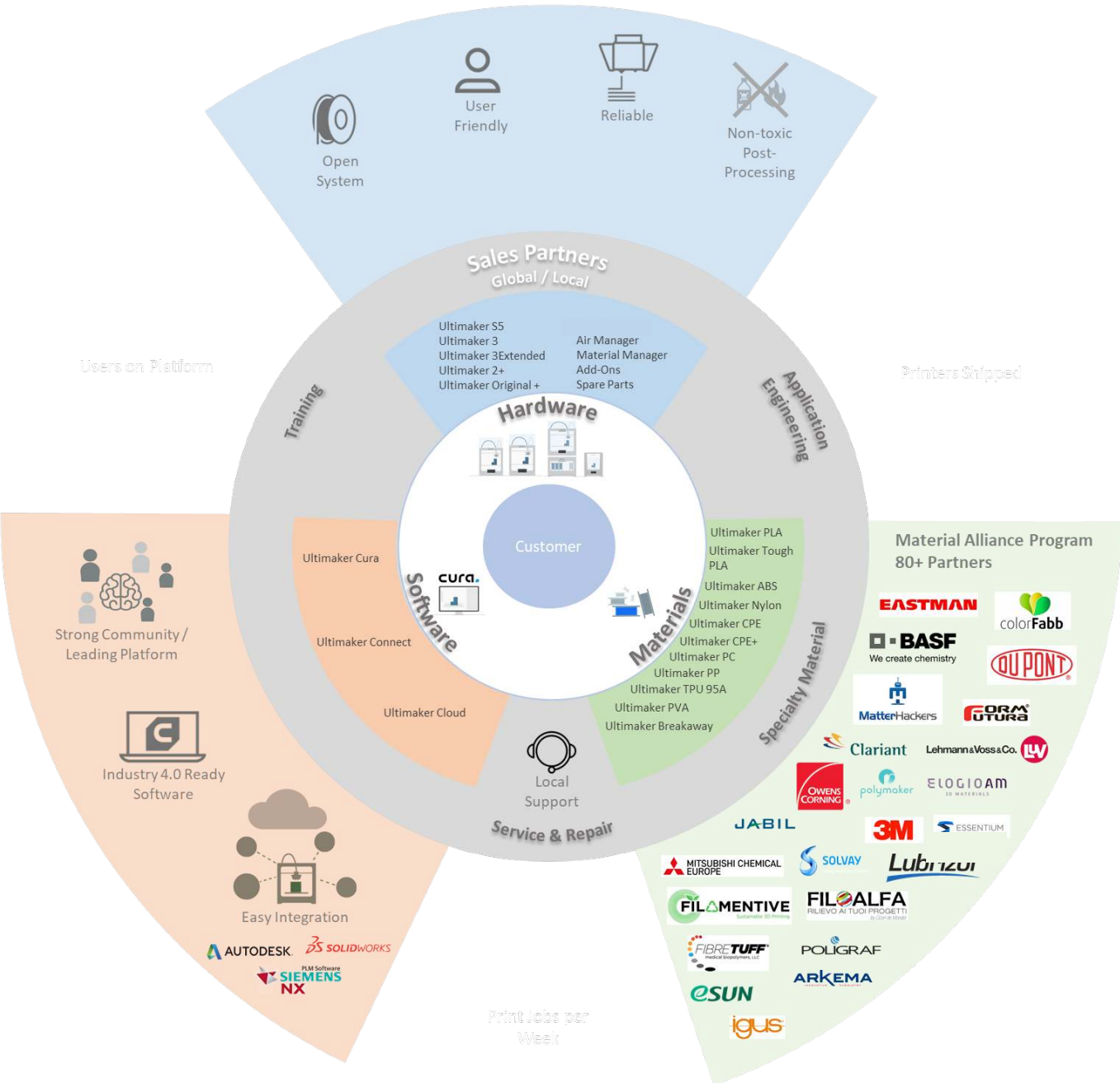
- LOTO safety equipment
- Ensures safety of employees during maintenance
- Production line enhancement
- Bright visual colour
- Impact resistance
- Custom & adaptable fixtures for different types of valves, switches, latches, connectors etc.

Conventional manufacturing	Ultimaker manufacturing
Conventional modification cost € 40 - € 200 per LOTO	Cost of 3D printed part €3,64 per LOTO
Lead time of modification 7 - 14 Days	Lead time of 3D printed part 18 hours



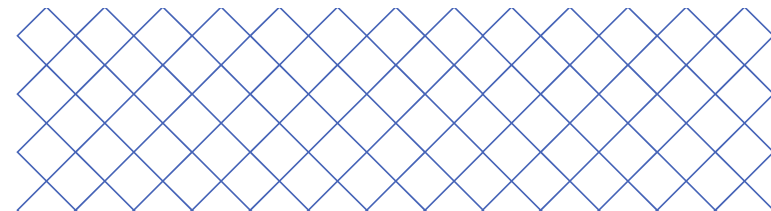
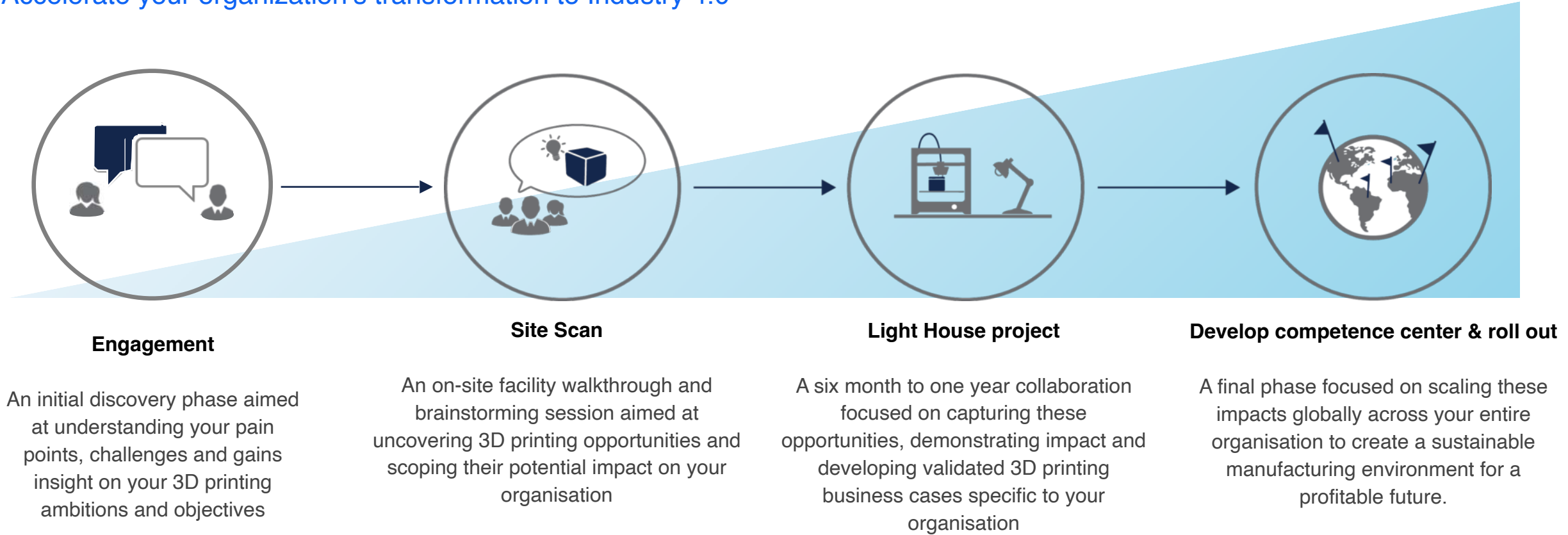
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Ecosystem for your Success



Ultimaker Customer Success Plan

Accelerate your organization's transformation to Industry 4.0



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