

“Universal supply chain challenges”



Markets are requesting a disruption of current Supply chains

From:

- Volume focused
- Rigid
- Wasteful
- Inefficient



To:

- Flexible
- Digital
- Scalable
- Sustainable



Localized & flexible
Mini-Factories



Digital shipment /
local manufacturing
of products

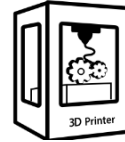
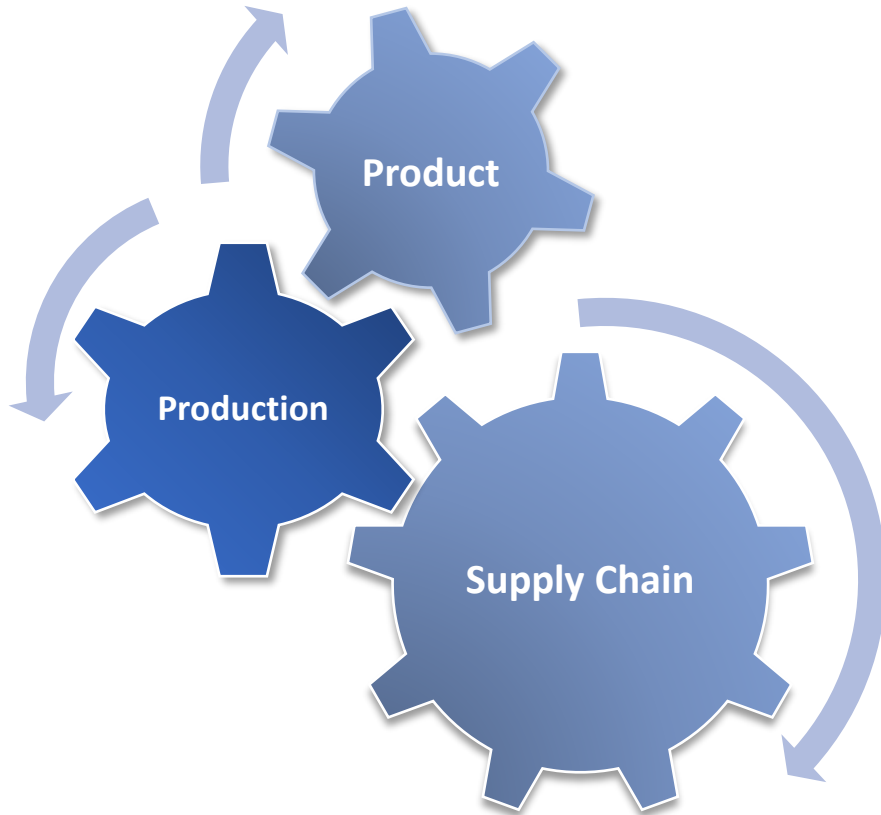


Digital Inventory /
on-demand
production

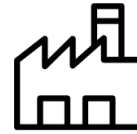


Learning &
self optimizing
operations

Benefits of AM



- Fast product development
- Reduced time-to-market
- Functional integration
- Reduced TCO

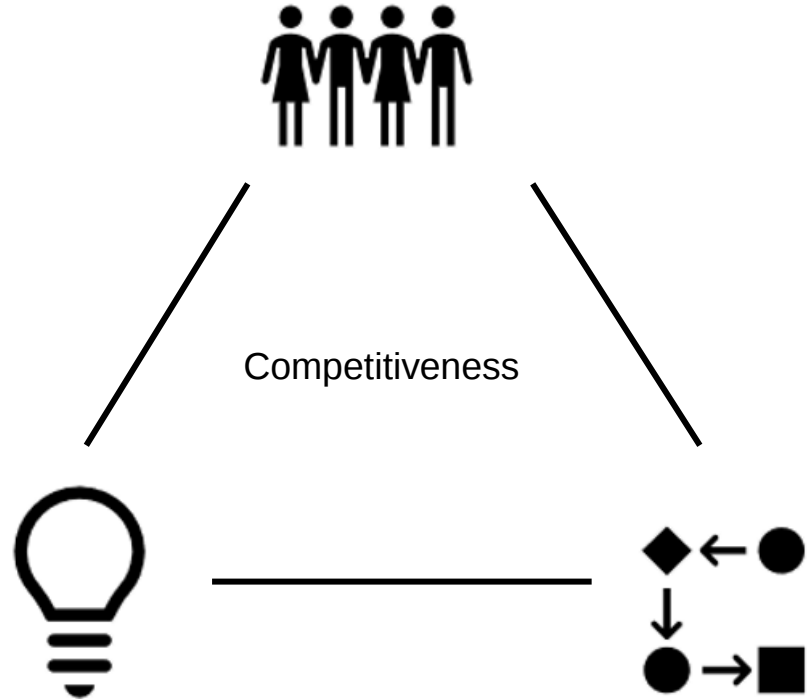


- Digital & flexible production
- Mass customization
- Sustainable manufacturing



- Digital Warehouse & reduced inventories
- Local manufacturing
- Resilient supply chains

*It is NOT
about the
technology*



A global platform enabling manufacturers to digitize inventory, produce on-demand, anywhere, anytime



Analyze & Identify

Import your inventory data, evaluate supply chain optimization potential and identify the right parts for Additive Manufacturing.



Digitize & Store

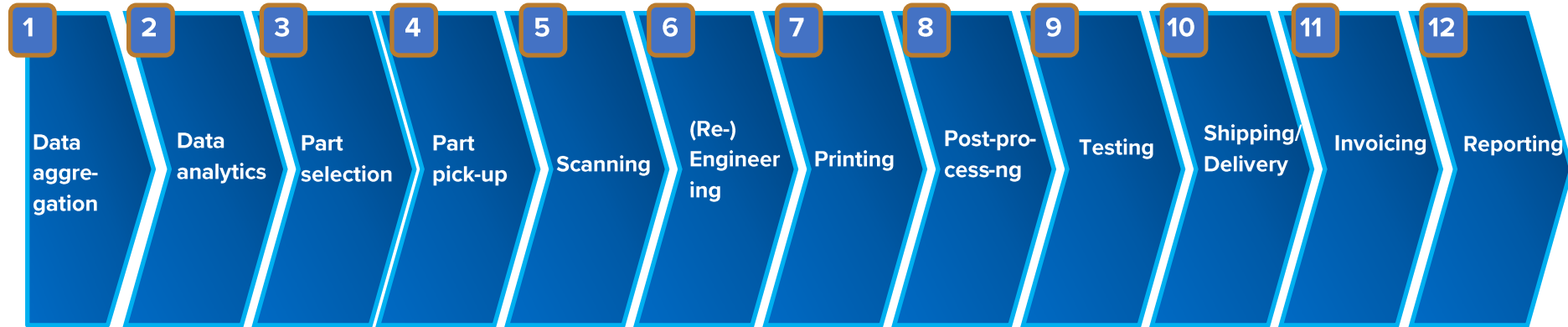
Upload your part designs to build your secure digital inventory. Request scanning and re-engineering services, as well as quality control tests directly on the platform.



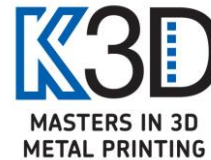
Get parts delivered

Order parts on demand. We handle the production and logistics through our network, you get tangible value delivered to your door.

E2E solution



HEXAGON
MANUFACTURING INTELLIGENCE



LOCATION INDEPENDANT COLLABORATION

DiManEx Service Provider Network

343 views

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MUST HAVE:

ALL 3D MATERIALS

ALL TECHNOLOGIES

ALL LOCATIONS



DIGITAL TWIN AS PART OF A RESILIENT SUPPLY CHAIN

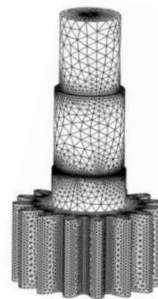
MODELS

DEFAULT COLOR

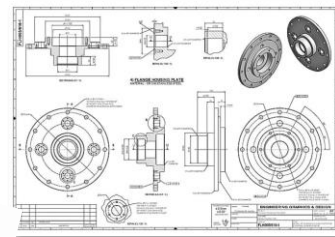


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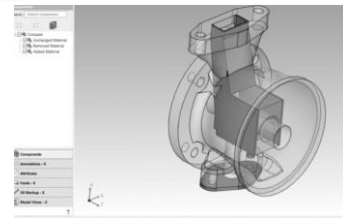
STL file



PDF



CAD



SCAN



2D FILE DATA EXTRACTION & 3D PRINTABILITY ASSESSMENT



Analyze

Automated analysis of parts data



Select parts with high demand unpredictability

Add selected parts to digital library

RESILIENT SUPPLY CHAIN USE CASE

Analytics &
Identification

52.760 unique parts analysed

Shorter Lead
Times

61 days of total average lead time reduction

Reduce
Working
Capital need

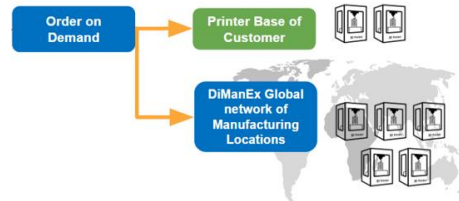
10.693 parts show Inventory Value Optimization potential: worth €6.8 Mio

Less
remaining
Lifetime Cost

992 parts show Lifetime Cost Reduction potential of €1.2 Mio less Total Cost of Ownership

Pay as You
Use

992 parts printed require €1 Mio less Working Capital



COLLABORATION

ALLOWS FOR NEW

BUSINESS MODELS

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production

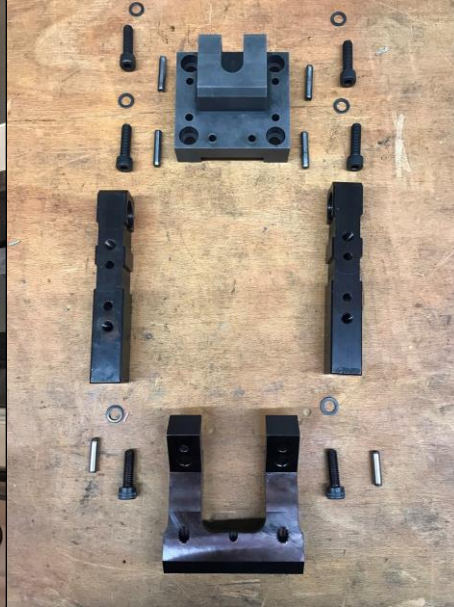
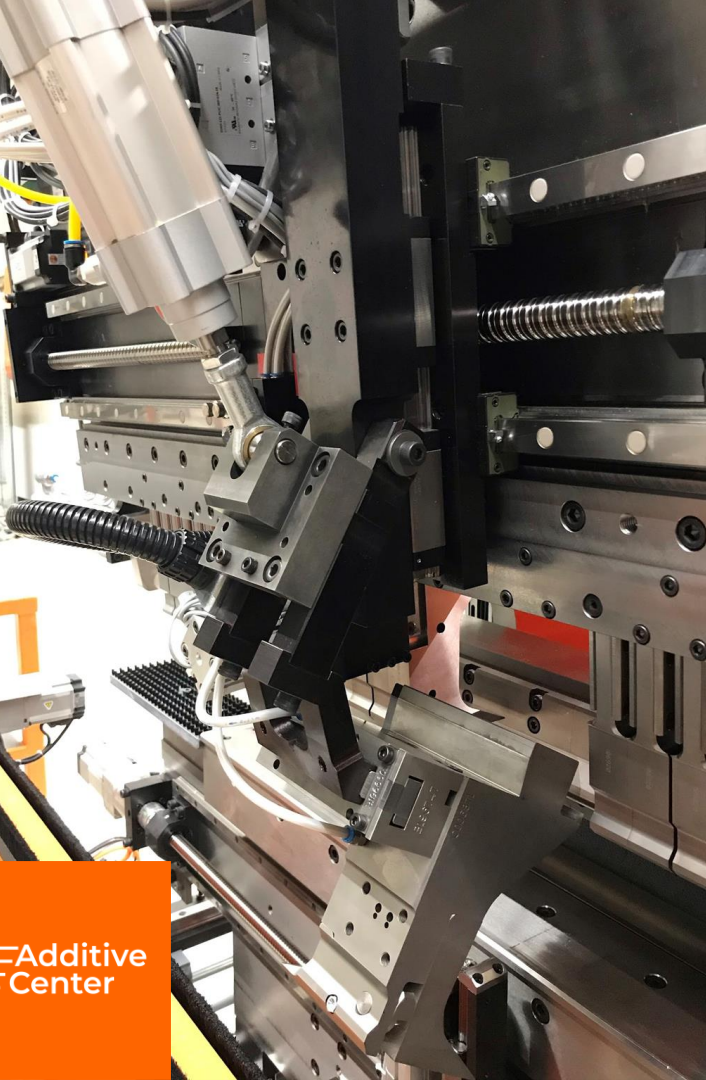


Learning &
self optimizing
operations

Lead Time
Reduction
70%

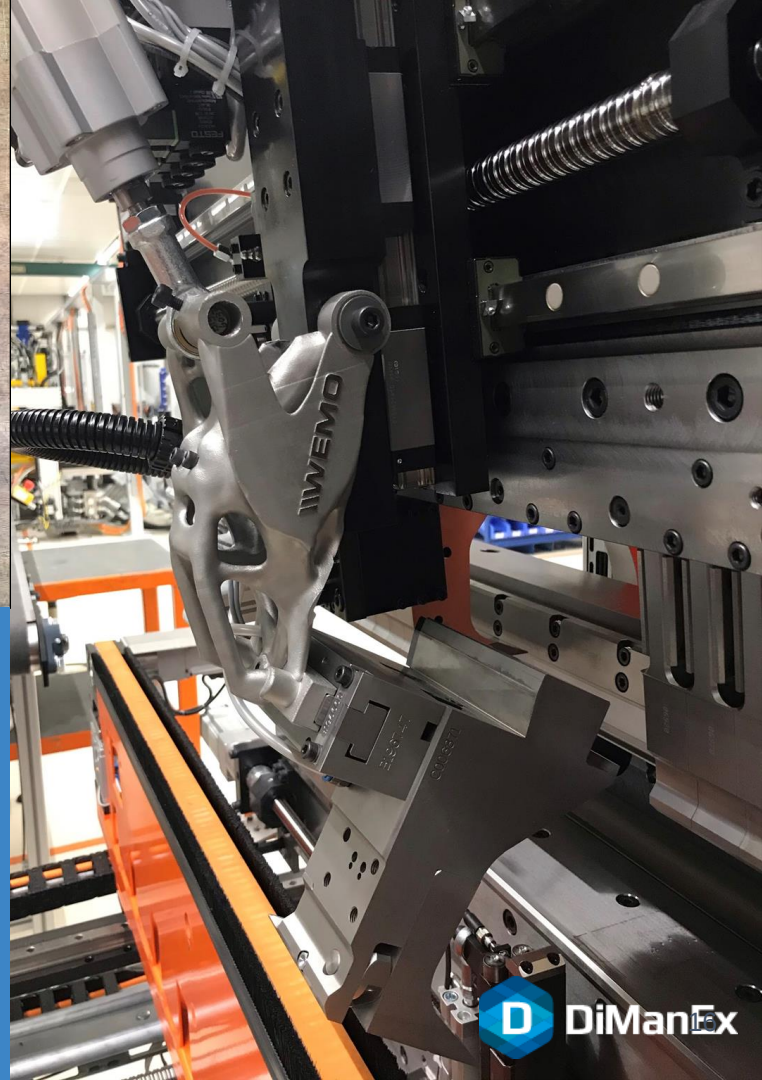


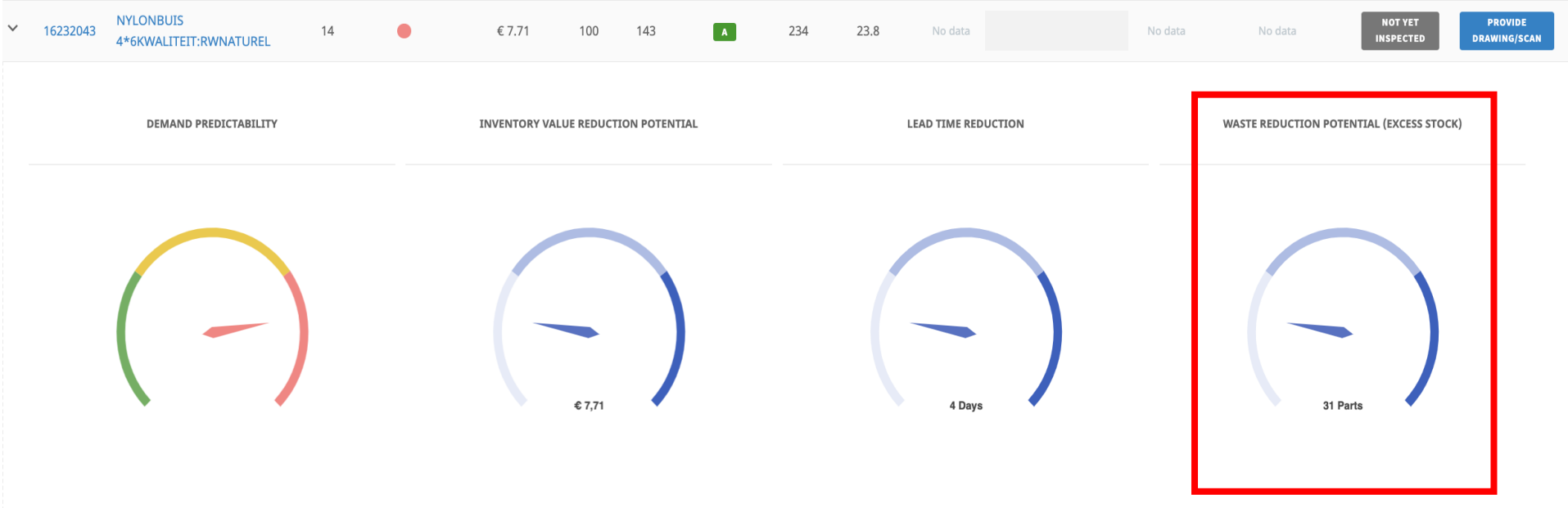
CONFIDENTIAL



Complexity
&
Cost

Reduction





Assessed 14K Stock Keeping Units

Calculated the Average Annual usage

of parts not purchased (3D print only the # of parts needed)

Material reduction of 109.574 Kg

