

Сучасне машинобудування. Що потрібно крім CAD?

Gennadiy Molodetskiy
Country Manager in Ukraine



We're all on a journey

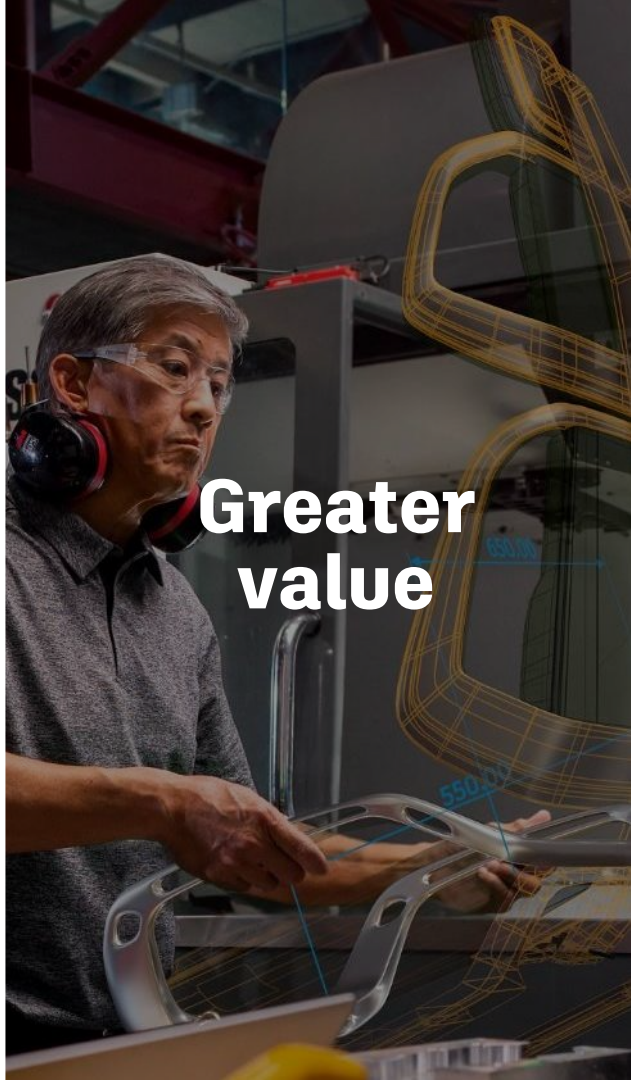


**Better
products**

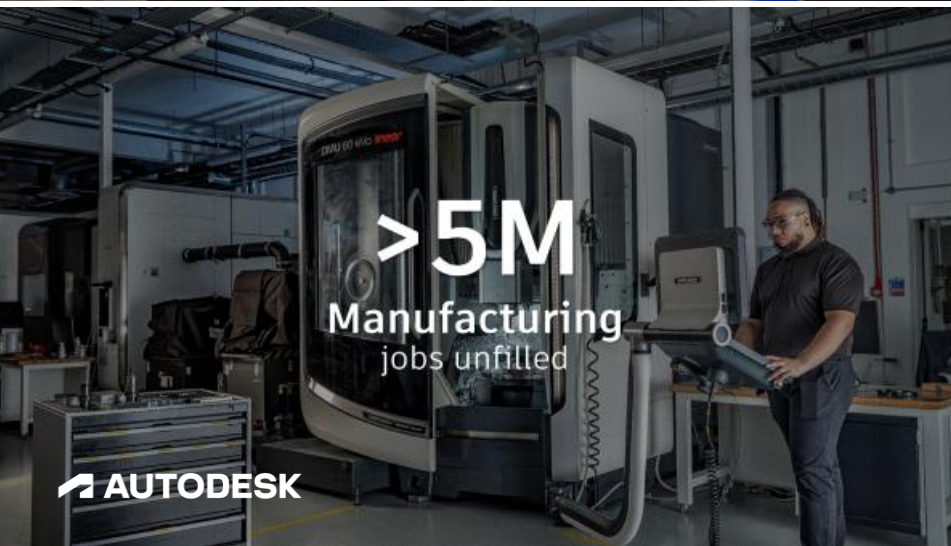
 **AUTODESK**



**Sell
more**



**Greater
value**



**Disruption creates
opportunity**



**Smart
products**

 **AUTODESK**



**Digitized
processes**



**Resilient
& flexible
supply
chains**



Resilient & flexible supply chains



**Faster.
Cheaper.
Better.**

PROCUREMENT

MANUFACTURING

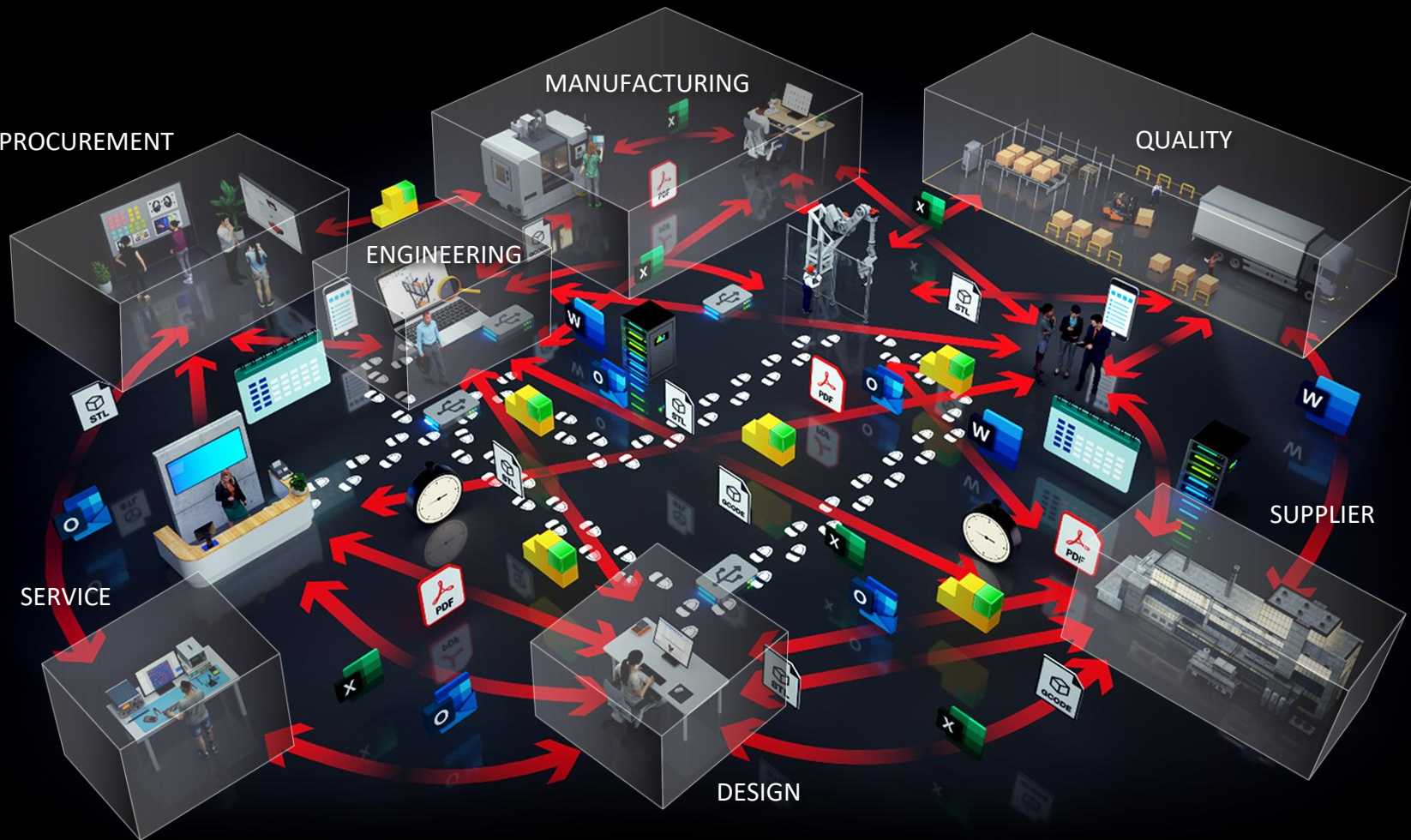
QUALITY

ENGINEERING

SUPPLIER

SERVICE

DESIGN





RFQ response

Design update notification

Supplier change request

Component data sheet

Design review follow-up task

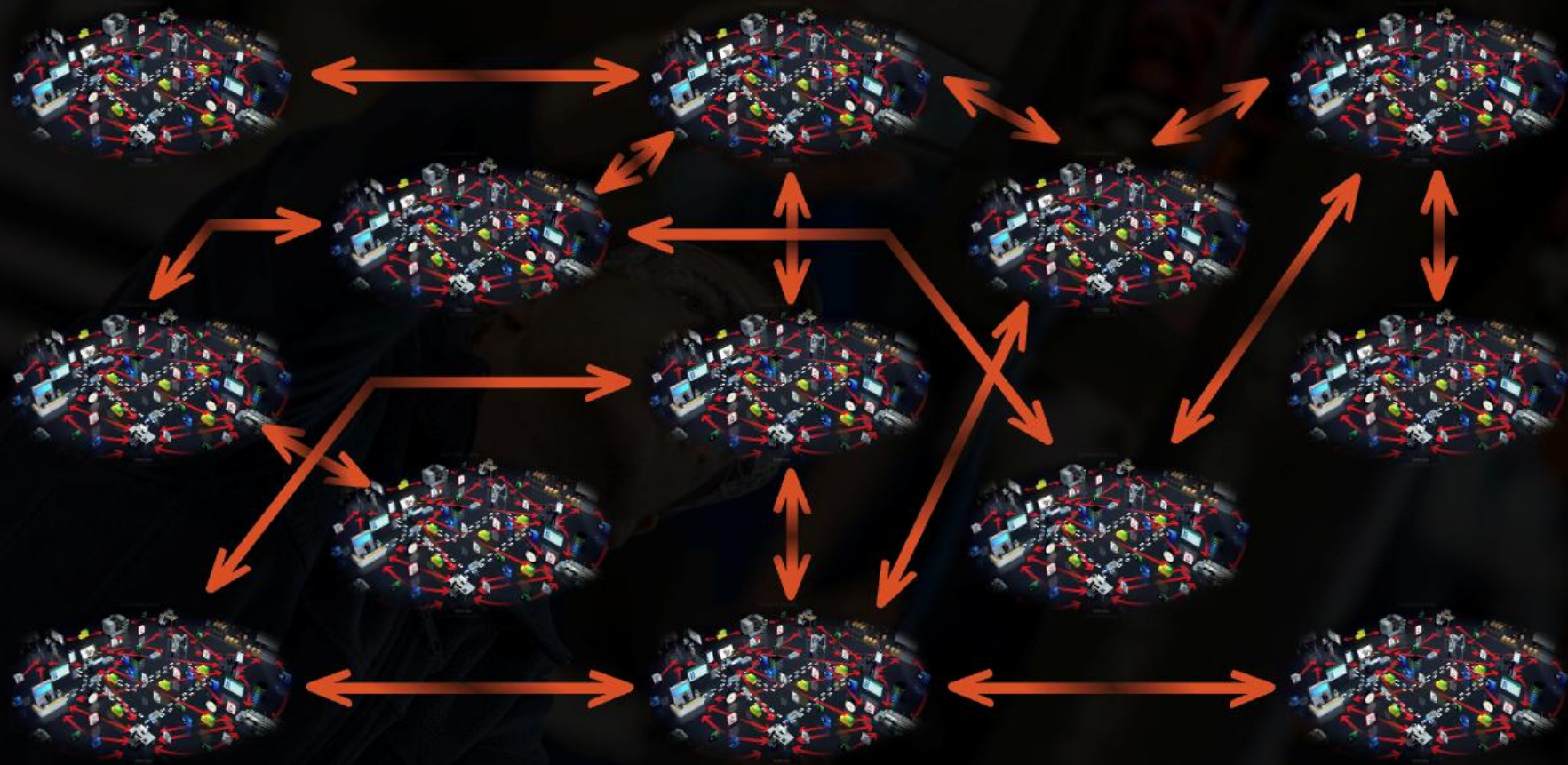
Quality inspection report

Audit corrective actions

Product technical specification

Change notification

PPAP deliverable



Challenges

Supplier management

audits, on-boarding, SQBR

Components sourcing

AML/AVL, BOM costing

Supplier quality

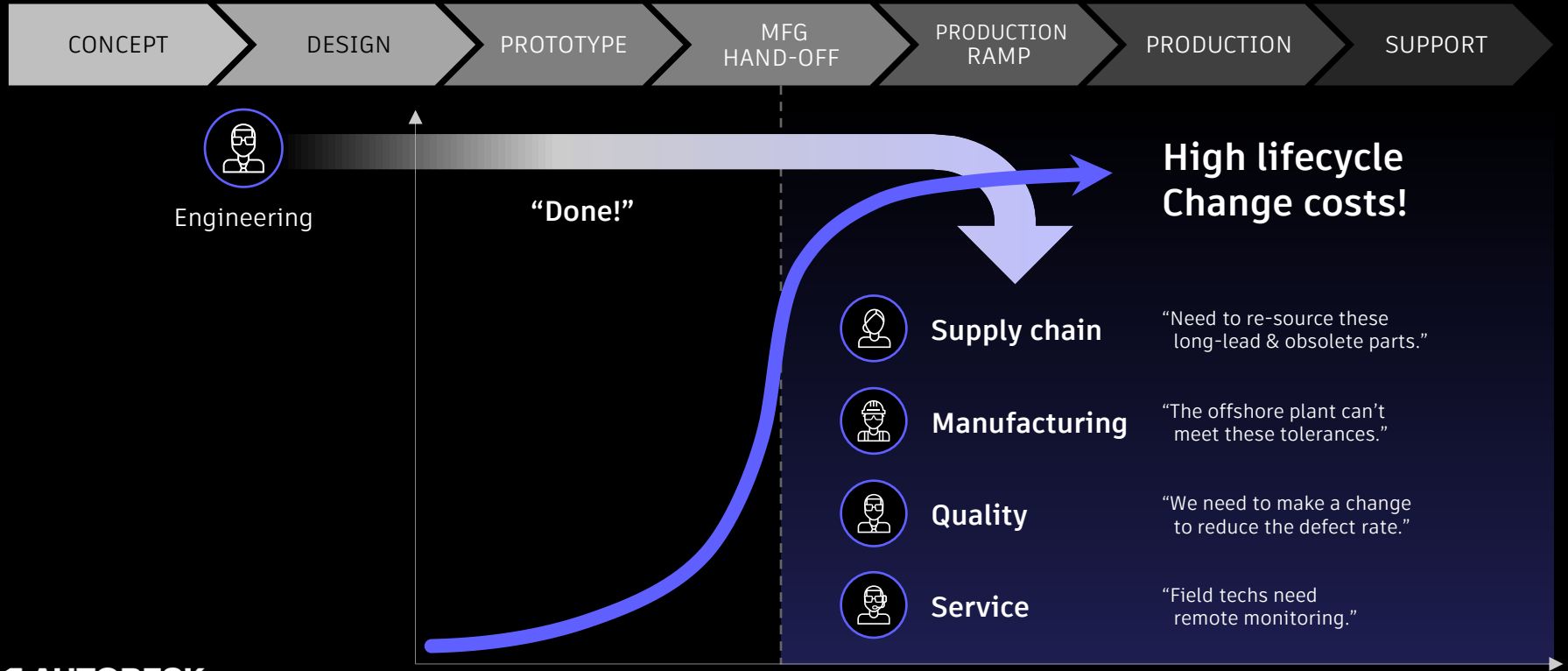
SCAR, supplier change management

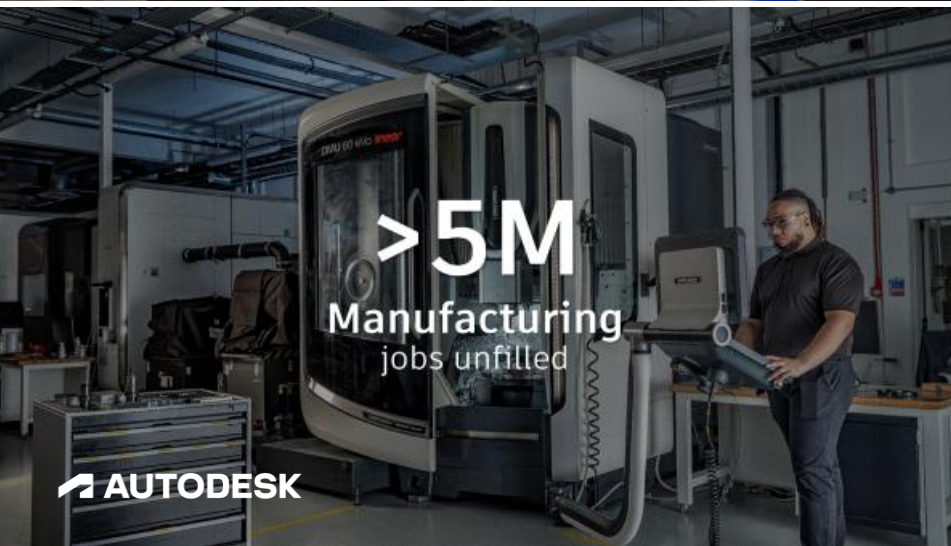
Supplier data exchange

RFQs, packages, deliverables, proposals

Typical practice: “Throw it over the wall”

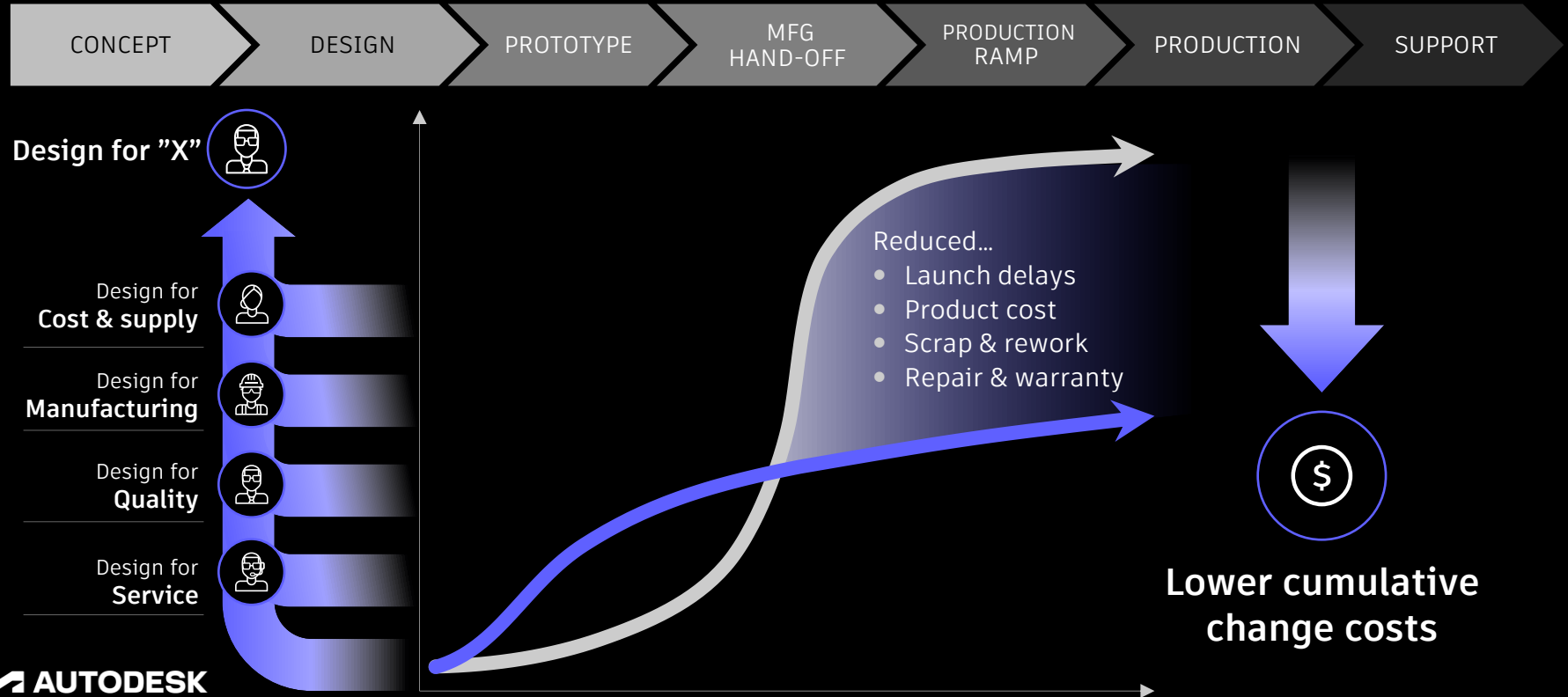
No feedback on early development decisions from downstream functions





Best practice: Early cross-functional collaboration

Improve decisions with early involvement, improved access to information



Data

Keep data at the center

NEARLY 1 IN 3 COMPANIES
SAY THEY HAVE WORKED
ON WRONG / OUTDATED DATA

Companies struggle with the basics of PDM

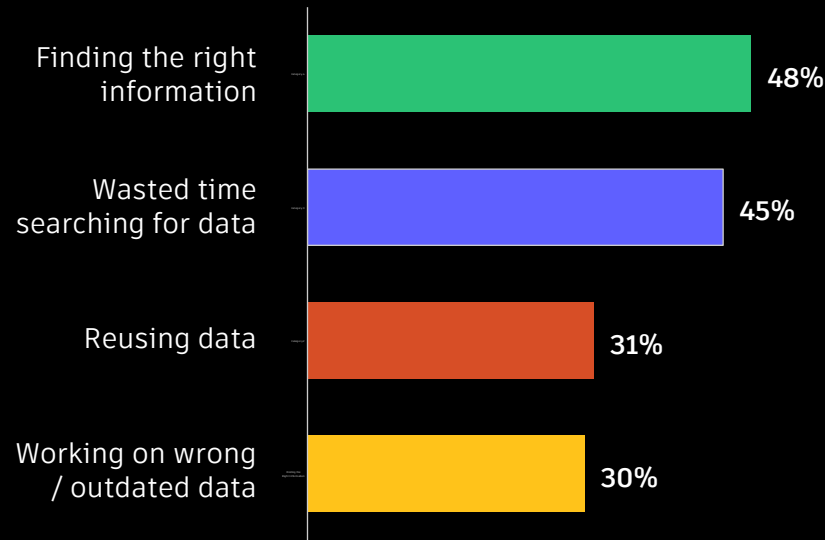
➔ Controlling

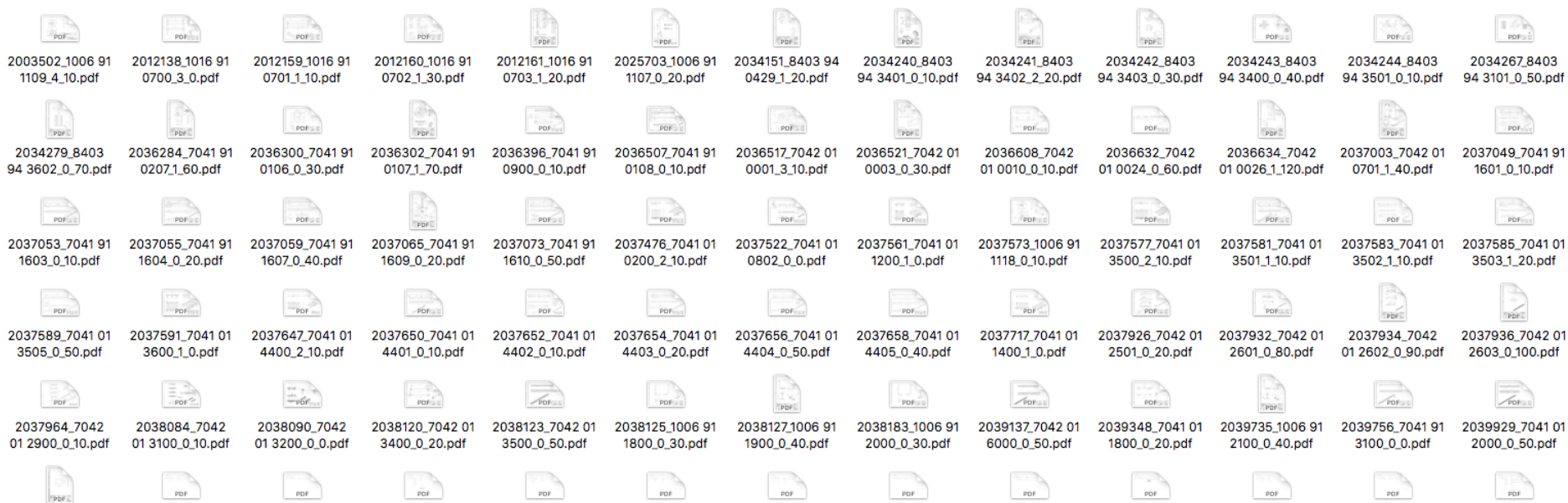
➔ Accessing

➔ Sharing

PRODUCT
DATA

Core data management challenges





Did we receive this before (partially)? What has changed?

Can you spot the difference?

Drawing Nr.

4107 01 000 1

Drawing Nr.

4107 01 0001

Drawing Nr.

4107 10 000 1

Data and Process Management

PROCUREMENT

MANUFACTURING

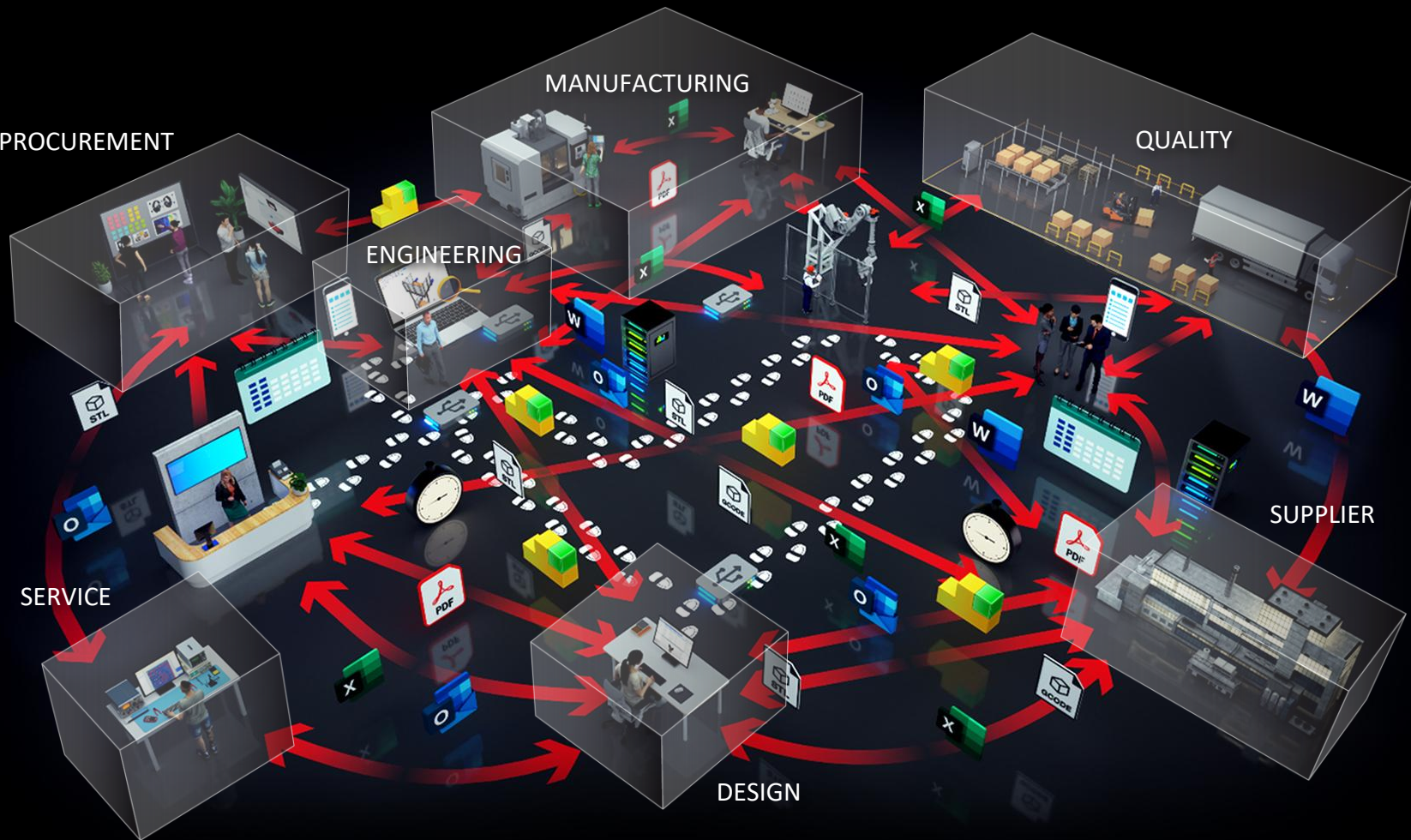
QUALITY

ENGINEERING

SUPPLIER

SERVICE

DESIGN



PROCUREMENT

MANUFACTURING

QUALITY

ENGINEERING


AUTODESK
PLM

SERVICE

SUPPLIER

DESIGN



Data

Keep data at the center



People

Collaborate with internal and external stakeholders



Process

Control product development processes

PLM drives business value

Why we are different

Access anytime, anywhere



Web application



Cloud-based



Configurable tenants

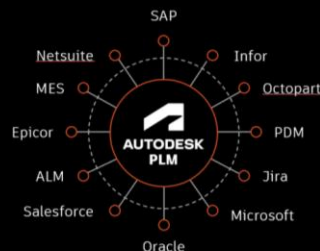


Software as a service



Trusted Autodesk framework

Built for integration



Modern, Open API



Integrate commercial applications, corporate IT systems, and databases



Migrate data from existing tools and systems



Consolidate and organize disparate data from multiple locations and systems

Fast time to value



Simple subscription model



Global support and consulting network



Start with one process at a time and easily expand as you need

Business Benefits

Improve time to market

Better react on customer requirements

Extend product portfolio

Improve product quality

Reduce manufacturing cost

Efficient supplier collaboration

Comply with regulatory / industry needs



Software for data and process management



Fusion Manage

Cloud PLM that connects your people, processes, and data

- Configurable, easy-to-use PLM processes
- Flexible, scalable cloud PLM that adapts to your business
- Open API for integration with other systems like PDM, ERP, and CRM



Vault

Get your data under control with PDM

- Automate design and engineering processes
- Control what people can access and edit
- Track revisions and design history

**PRODUCT
LIFECYCLE PHASES
& CAPABILITIES**

CONCEPT

1. DATA IMPORT
2. GENERATIVE DESIGN
3. SURFACE MODELING
4. FREEFORM MODELING
5. RENDERING

ENGINEERING

1. CAD
2. CAM
3. CAE
4. PCB

PRODUCTION

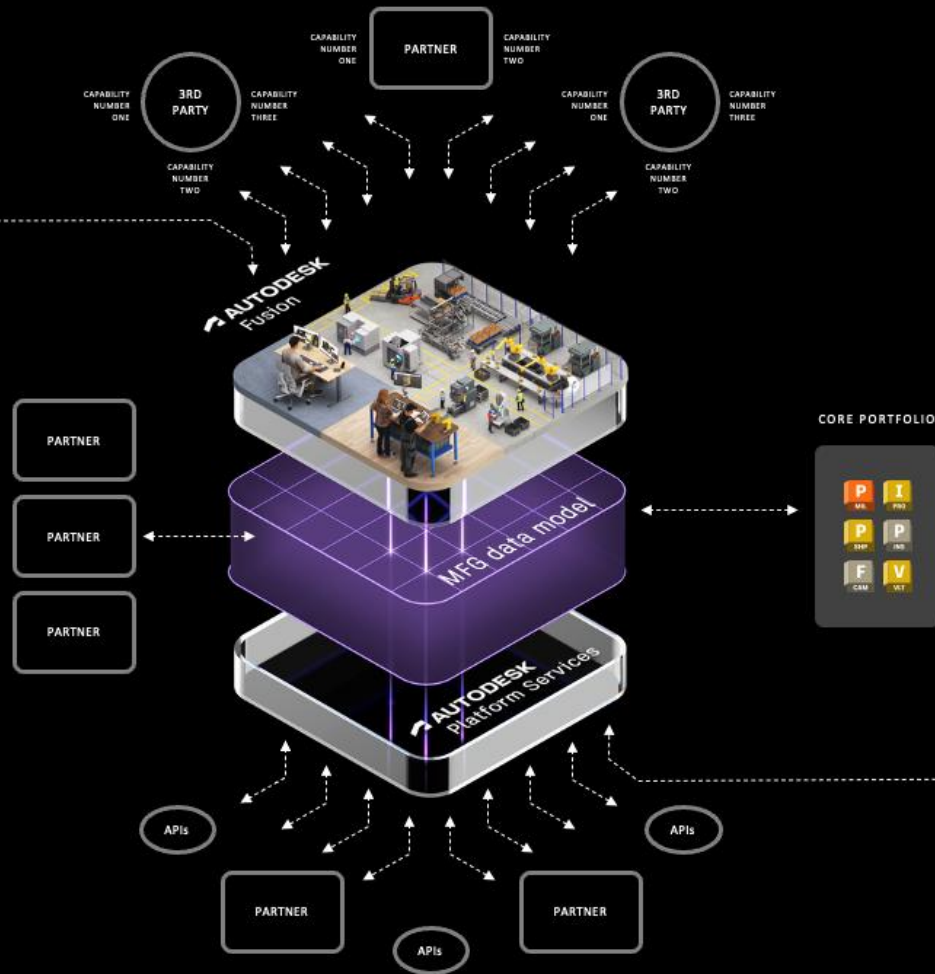
1. QUALITY MANAGEMENT
2. REAL-TIME DATA TRACKING
3. CONNECTED MANUFACTURING
4. PRODUCTION WORKFLOW VISUALIZATION

SALES

1. ORDERING
2. QUOTING
3. CONFIGURATIONS

OPERATION

1. PREVENTATIVE MAINTENANCE
2. OPERATIONAL PERFORMANCE



APIs



**FLEXIBLE
MANUFACTURING**



**CUSTOMER
EXPERIENCE**



**SMART
SERVICES**



**DIGITAL
COLLABORATION**



**MASS
CUSTOMIZATION**



