Do More with Your Data and Your Day

Autodesk PLM

Kimberley Hendrix
Manager of Data Management

Michael Pares
Manager of Enterprise Services

Ben Banford
Specialized Solutions Executive

TeamD3

A COMMONLY-OWNED COALITION OF BRANDS

D3 TECHNOLOGIES

mg AEC TECHNOLOGY PARTNERS A TeamD3 COMPANY

ECAD, Inc. A TeamD3 COMPANY

AUTODESK
Platinum Partner

Agenda

- Organize your data
- Optimize your processes
- Centralize your stakeholders
- Questions

Introductions

Kimberley Hendrix

Manager of Data Management

Tulsa, Ok

Michael Pares

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Fayetteville, AR

Ben Banford

Specialized Solutions Executive

Salt Lake City, UT

TeamD3

A COALITION OF BRANDS

D3 TECHNOLOGIES | AEC TECHNOLOGY PARTNERS | ECAD, Inc. A TeamD3 COMPANY

- Industrialized Construction
- Connected Data
- Digital Twin
- PLM – Decision Support
- Design Automation
- Sales Automation

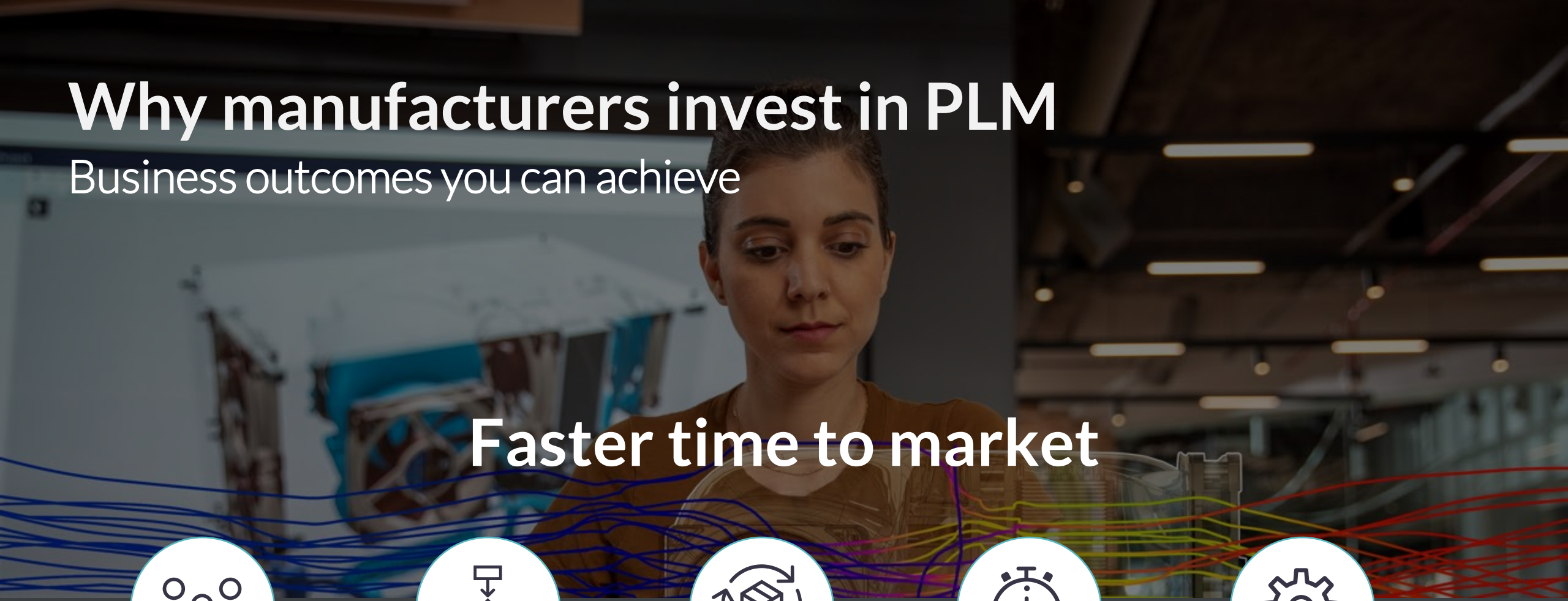
Business Outcomes through Data Integration

- Autodesk Platinum Partner
- Deep Industry Experience
- Diverse Technical Delivery
- Project Management Office
- Focused on Data Integration
  - IP Developed for Data Migration
  - IP Developed for Automation

Data
Agility
Connected
Investment
IoT
Remote
Communication
Aligned
Cloud
Competitive
Innovation
Essential
Integration
Strategy
SaaS
Future
Empowerment
PLM
Change
Digital
Mobile
Technology
Process
Smart
Collaboration
Supply chain
Everywhere
Virtual
Algorithms
Analytics
New
Development

Why manufacturers invest in PLM

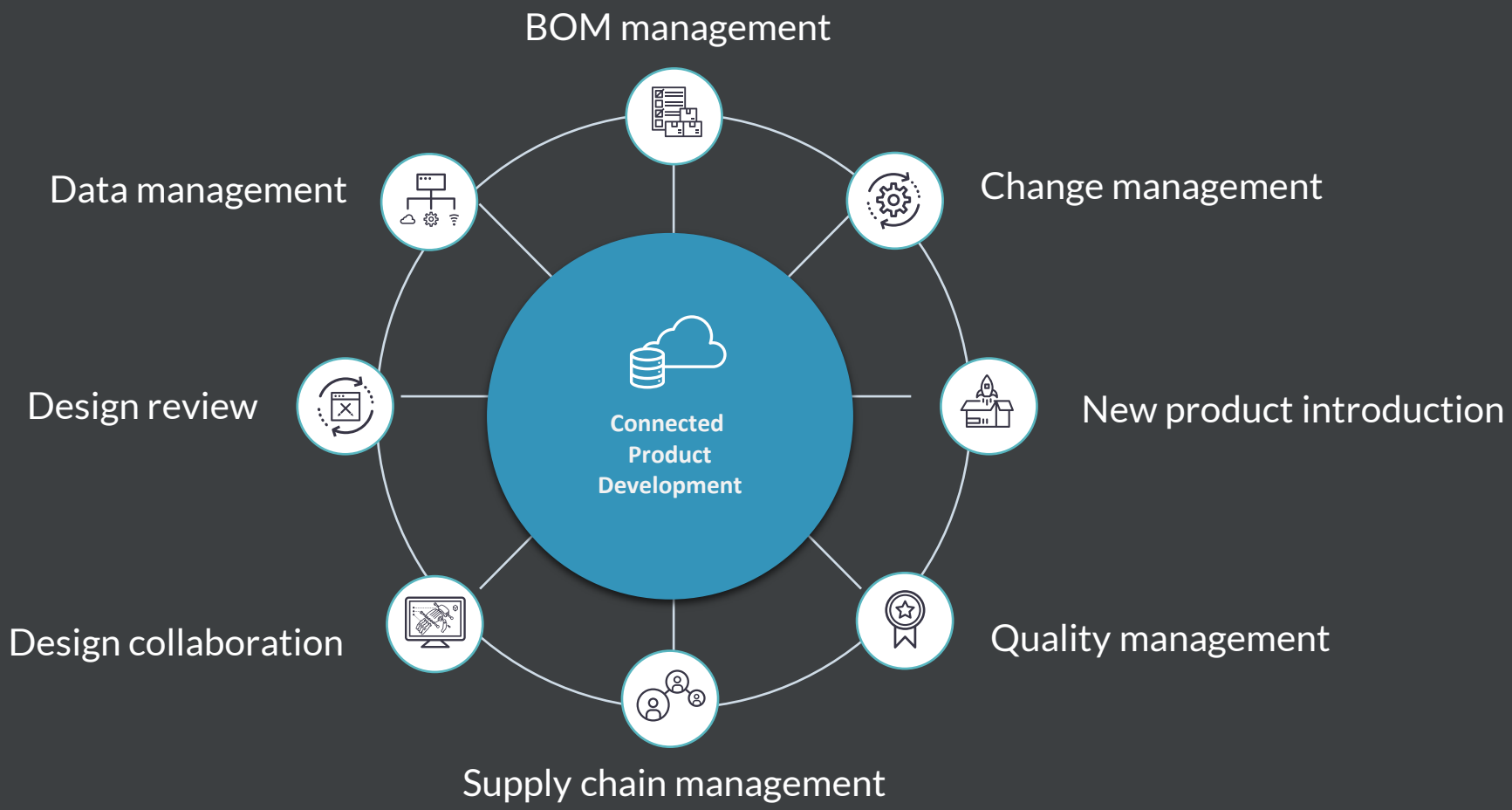
Business outcomes you can achieve



Faster time to market

- Improve collaboration
- Increase product development agility
- Improve supply chain agility
- Reduce time spent on low value tasks
- Reduce defects and non-conformities

Autodesk PLM



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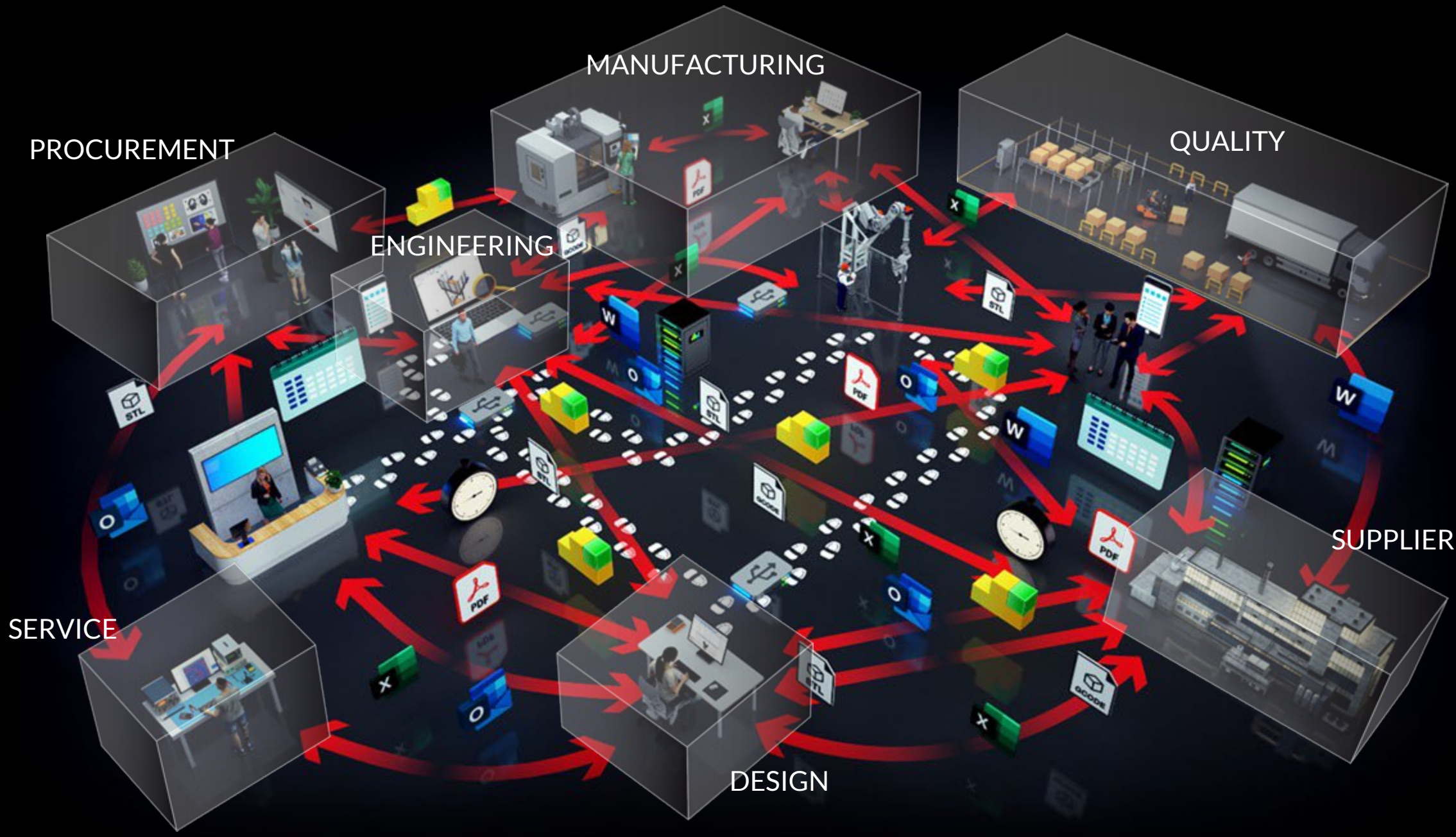
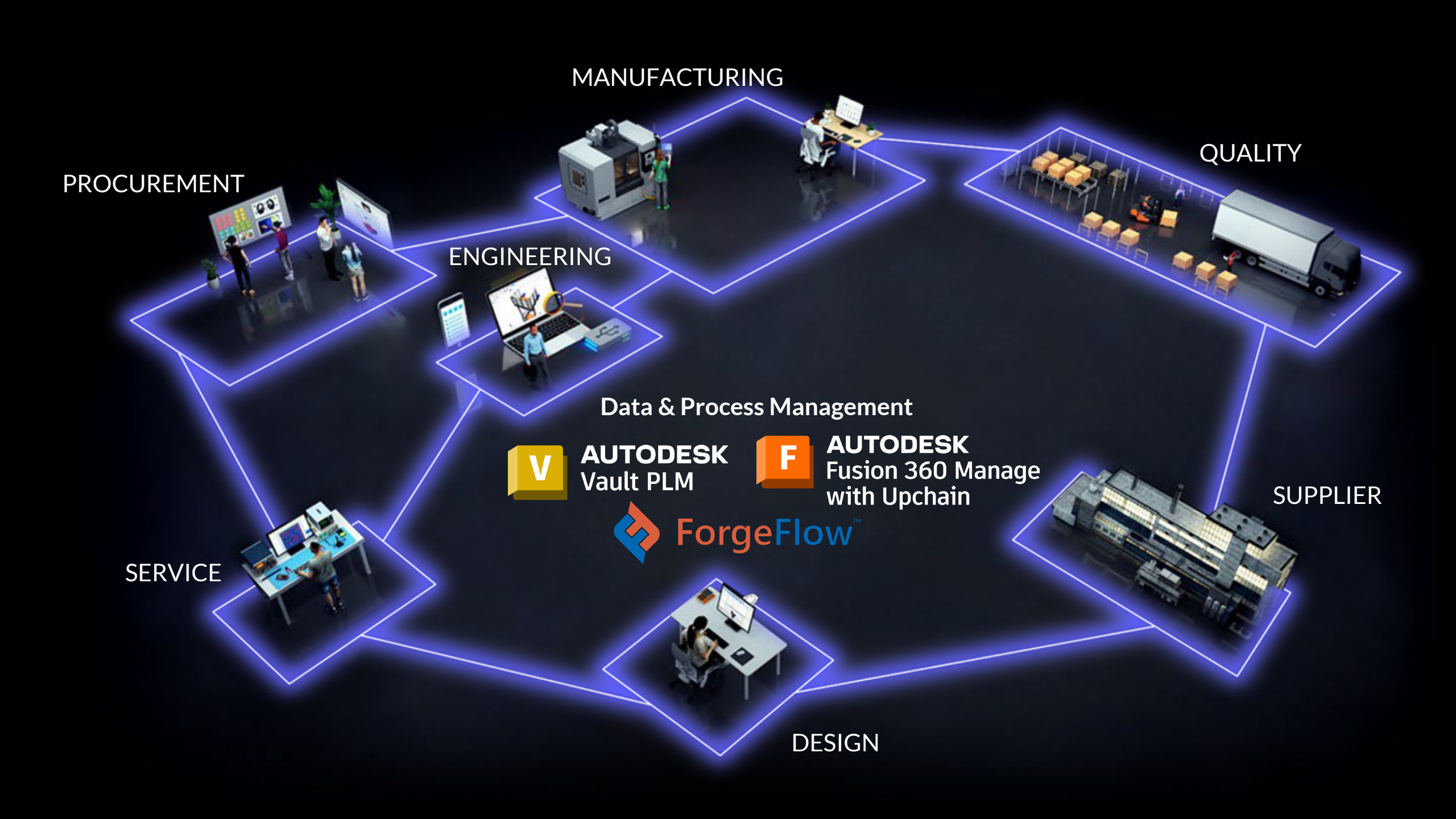
Organize Your Data

Some Challenges we have seen with Data

- Systems aren't communicating / data silos
- Software isn't easy to use / lack of adoption
- Teams are dispersed / aren't communicating
- Data isn't kept up to date
- Other (email, dropbox, onedrive, etc.)


MANUFACTURING
PROCUREMENT
QUALITY
ENGINEERING
SUPPLIER
SERVICE
DESIGN


MANUFACTURING
PROCUREMENT
QUALITY
ENGINEERING
Data & Process Management
AUTODESK
Vault PLM
AUTODESK
Fusion 360 Manage
with Upchain
ForgeFlow™
SUPPLIER
SERVICE
DESIGN

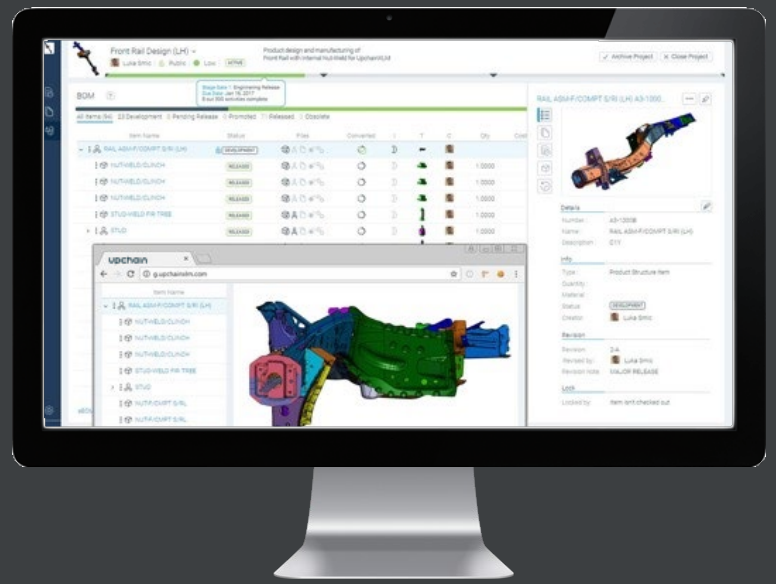
https://www.gartner.com/en/newsroom/press-releases/2019-09-09-gartner-survey-finds-that-45-percent-of-product-launches-are-delayed-by-at-least-one-month

Source: *https://hbr.org/2014/09/the-silent-killer-of-new-products-lazy-pricing#disqus_thread*

One central source of truth

CAD → **PDM / PLM** → **ERP / MRP**

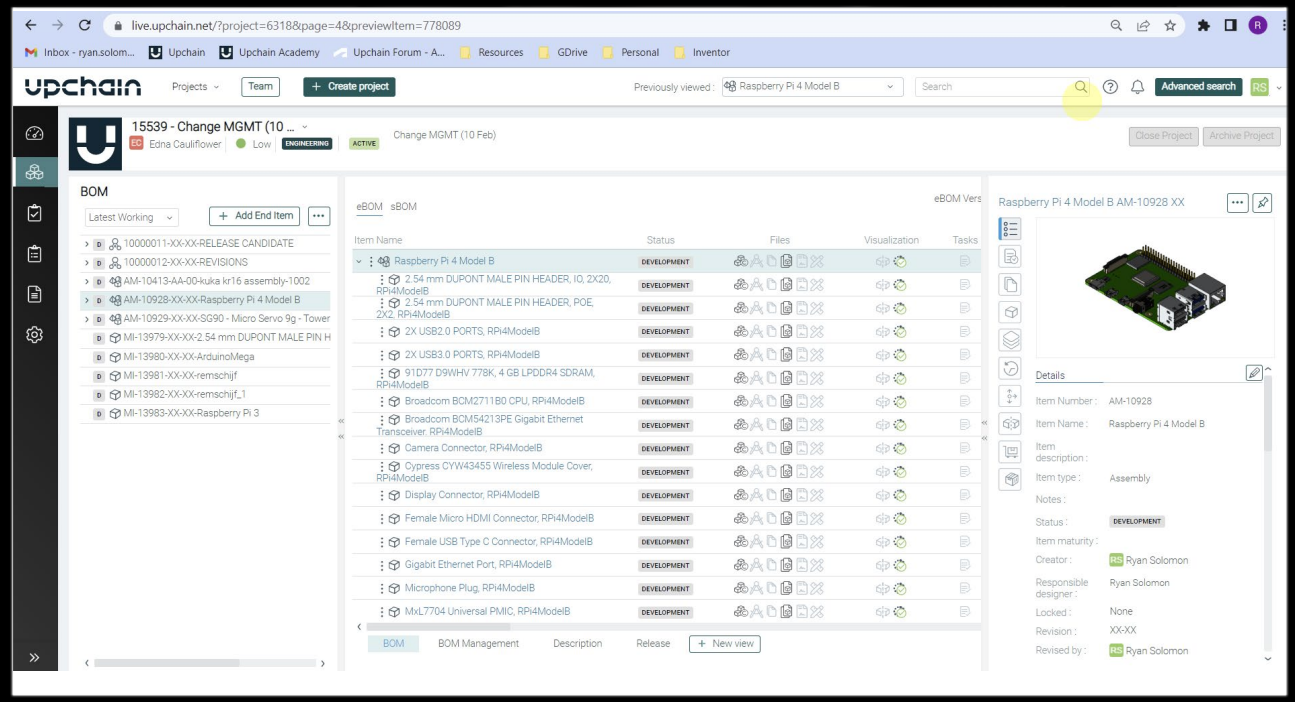
- AutoCAD
- Inventor
- SWx
- CREO
- NX
- Catia
- Altium



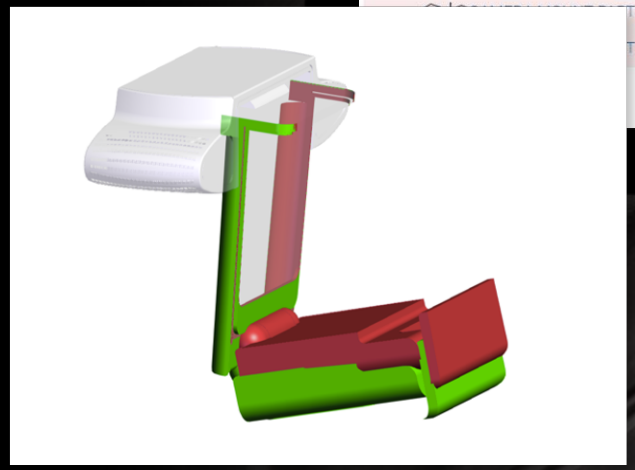
Integrated BOM

- Service
- CAD
- Engineering
- MFG
- As built
- As maintained

Data Management



Visualize Comparisons



BOM Compare

3D Compare | Compared with : A-000099-AA-00-LOGITECH WEB CAMERA v000

Item Name	Status	Files	Visualization	Tasks	Creator	Qty	Thumbnail
WEB CAMERA	DEVELOPMENT						
+ CAMERA MOUNT PART 1-B	DEVELOPMENT					1.0000	
+ CAMERA MOUNT PART 2-B	DEVELOPMENT					1.0000	
+ CAMERA MOUNT PART 3-B	DEVELOPMENT					1.0000	
FRONT PANEL	RELEASED					1.0000	
CAMERA PROTECTOR	RELEASED					1.0000	
EXTERNAL HOUSING	RELEASED					1.0000	
+ 2K CAMERA	DEVELOPMENT					1.0000	
– HD CAMERA	RELEASED					1.0000	
– CAMERA MOUNT PART 3-A	RELEASED					1.0000	
2-A	RELEASED					1.0000	
1-A	RELEASED					1.0000	

Imagine if….

Before

- Lack of visibility
- Disparate databases
- Out of date PDFs

After

- Right data to the right people at the right time
- Central source of truth
- Removes duplication of data

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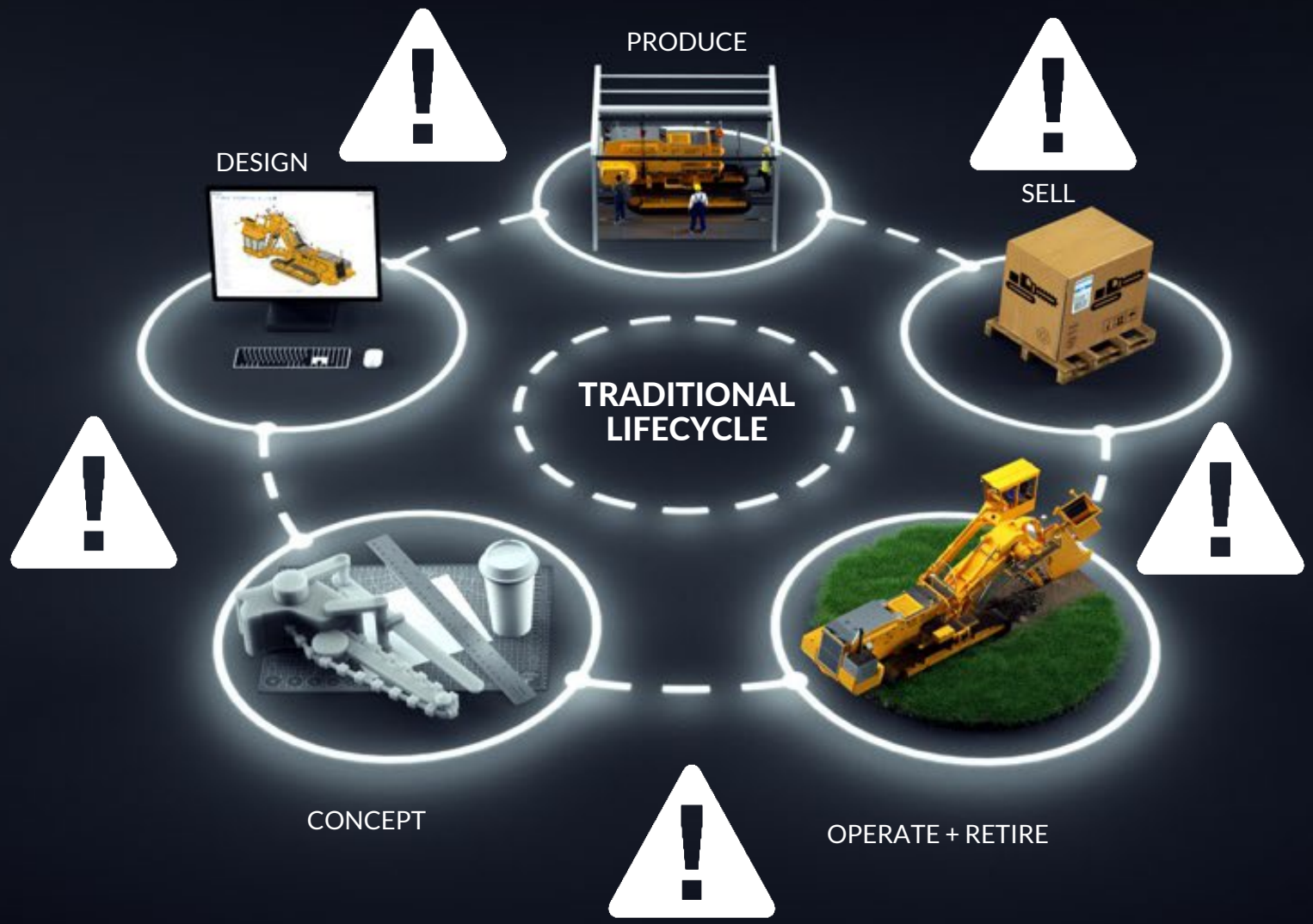
Optimize Your Processes

How do you currently handle your processes?

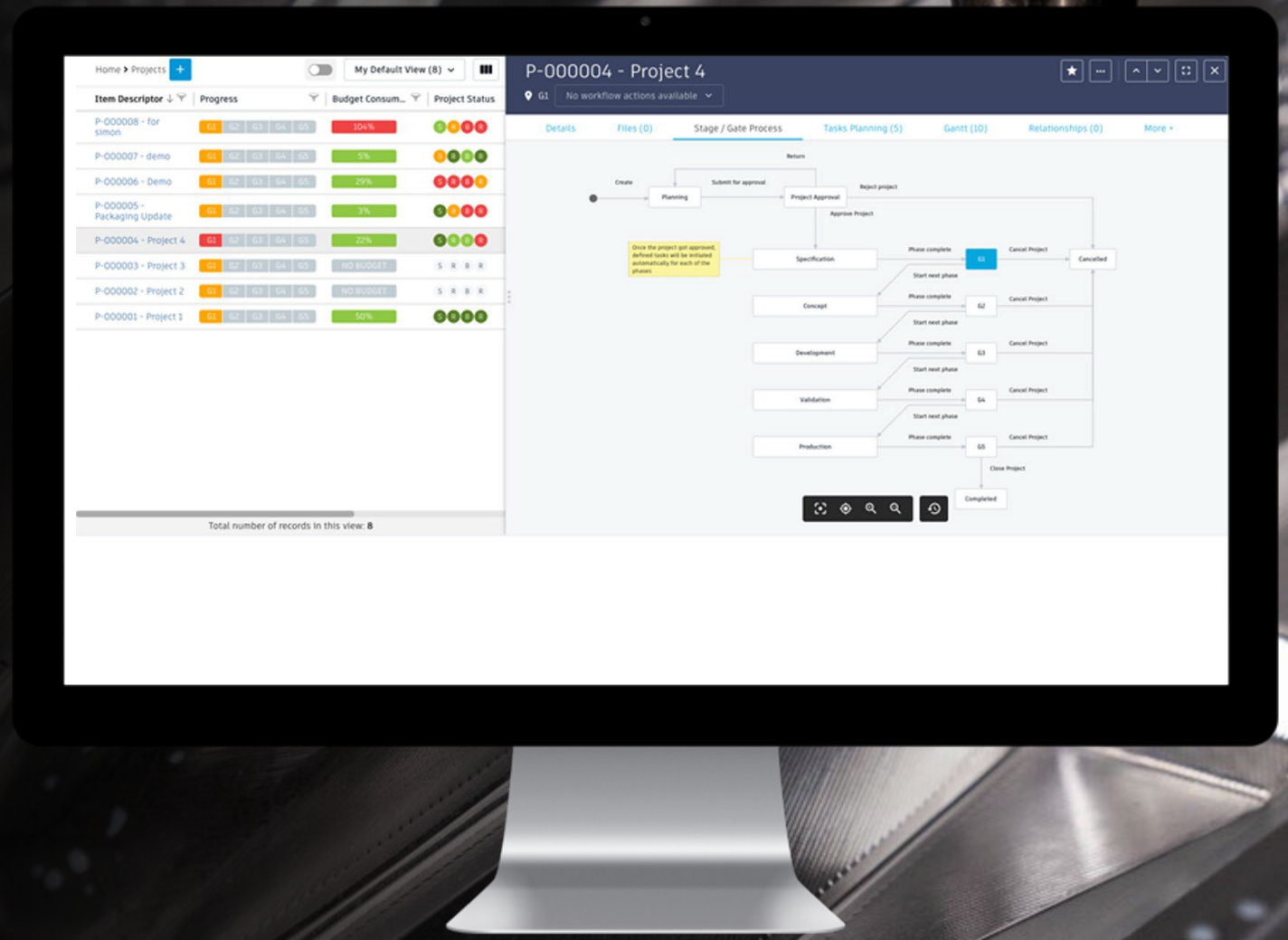
- Ad hoc – Manual
- Standardized by department
- Standardized company-wide
- Unsure
- Other (send us a note)


PRODUCE
DESIGN
SELL
TRADITIONAL LIFECYCLE
CONCEPT
OPERATE + RETIRE

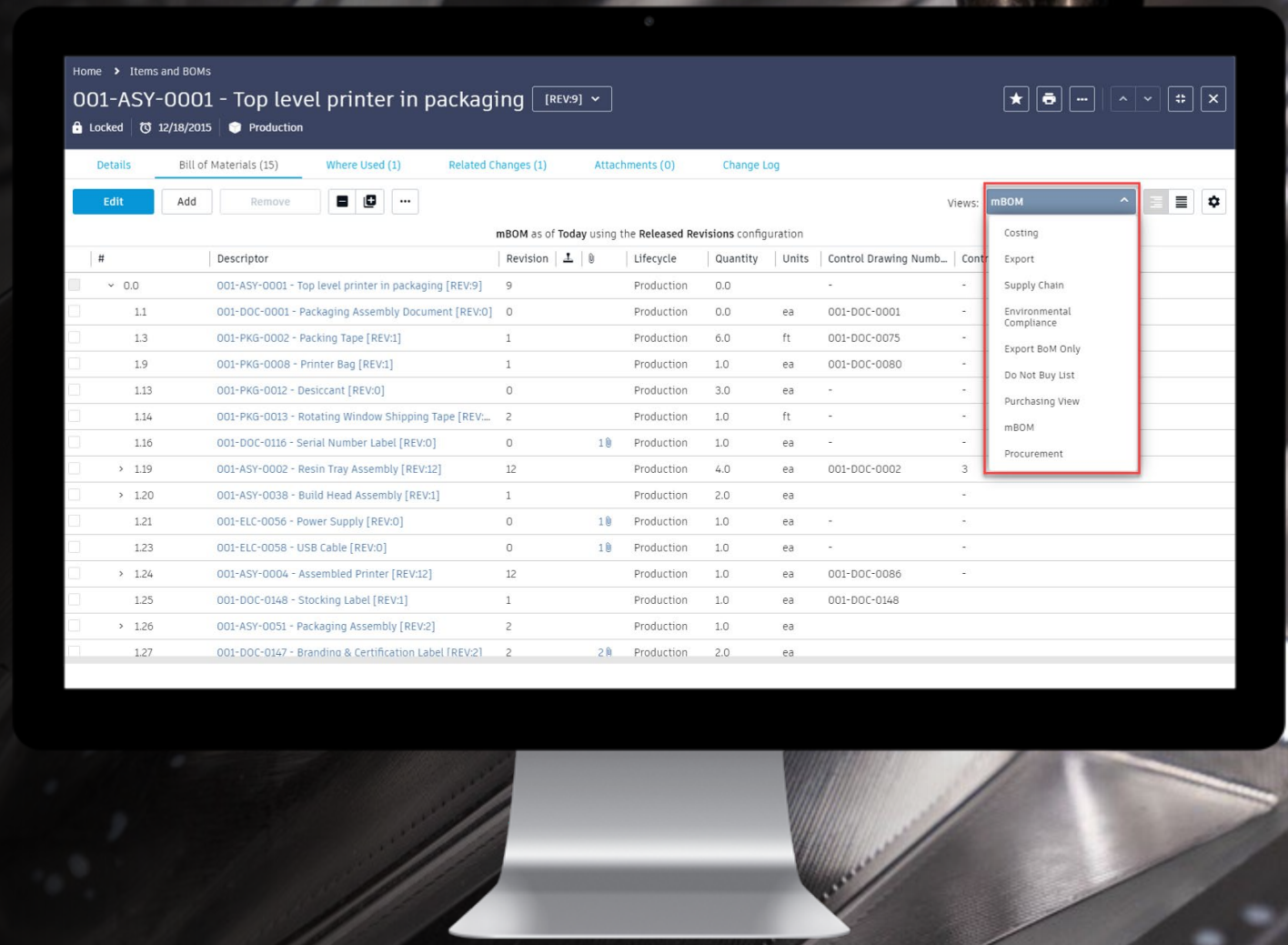
PRODUCE
DESIGN
SELL
CONNECTED PROCESSES
CONCEPT
OPERATE + RETIRE

Enabling digital collaboration

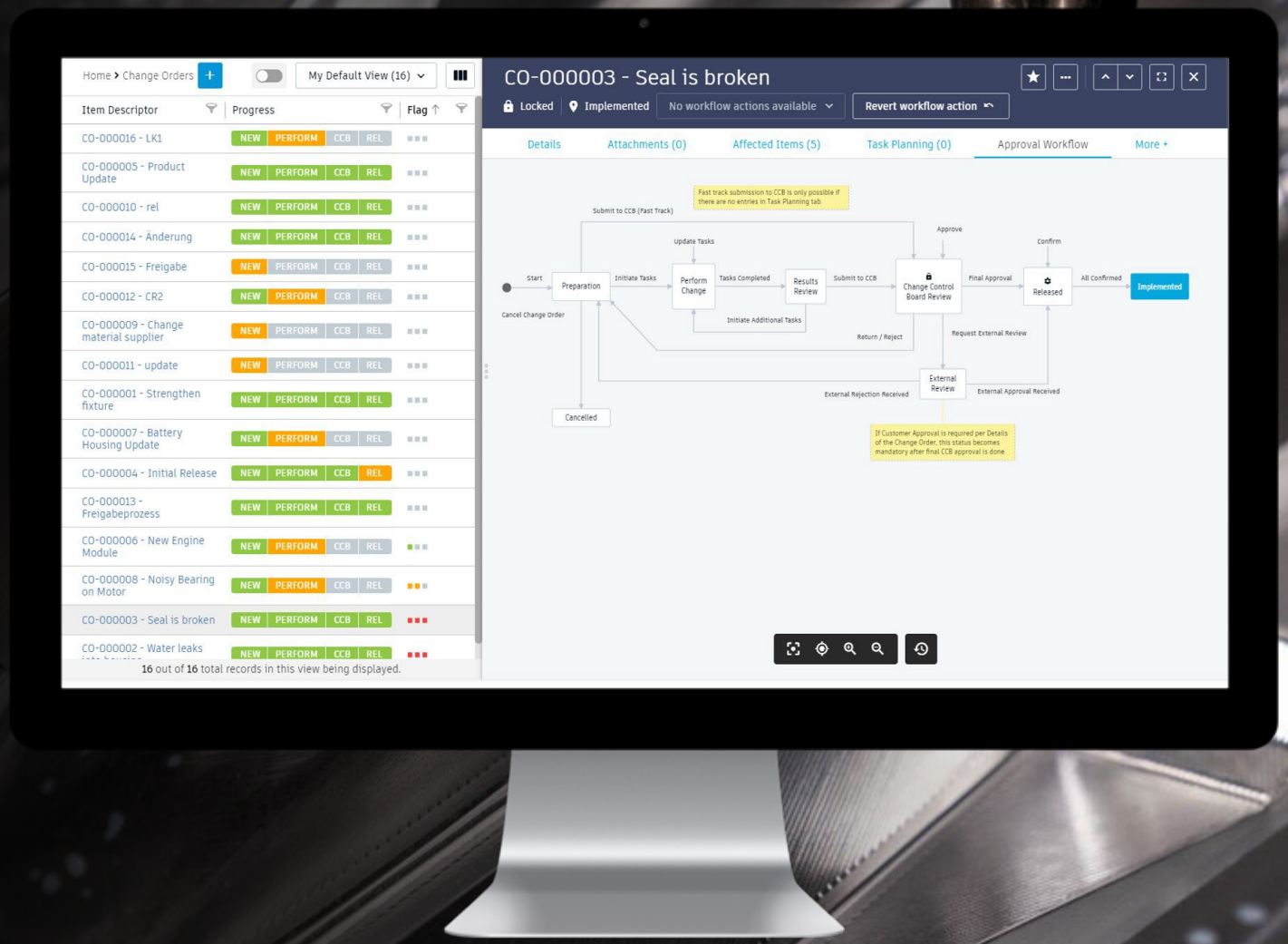
New Product Introduction



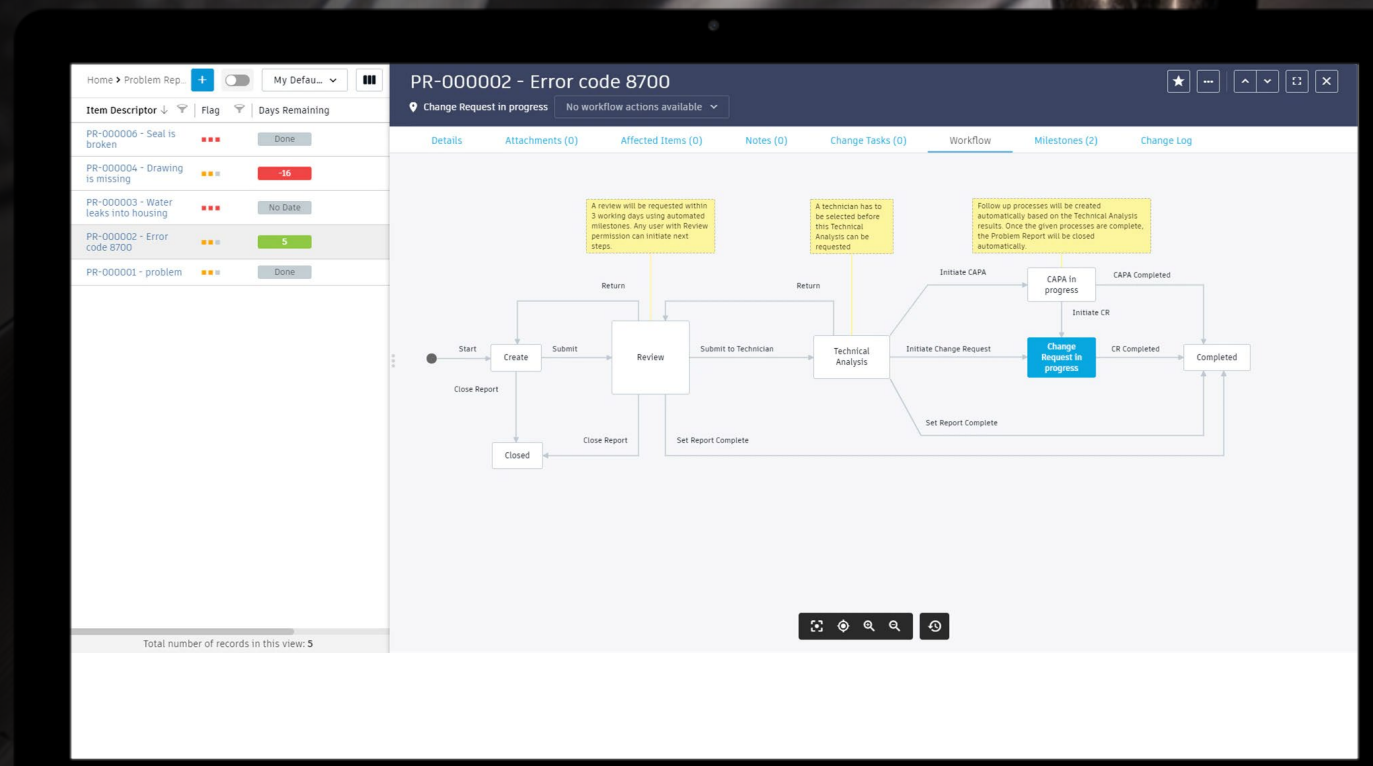
Bills of Materials Management



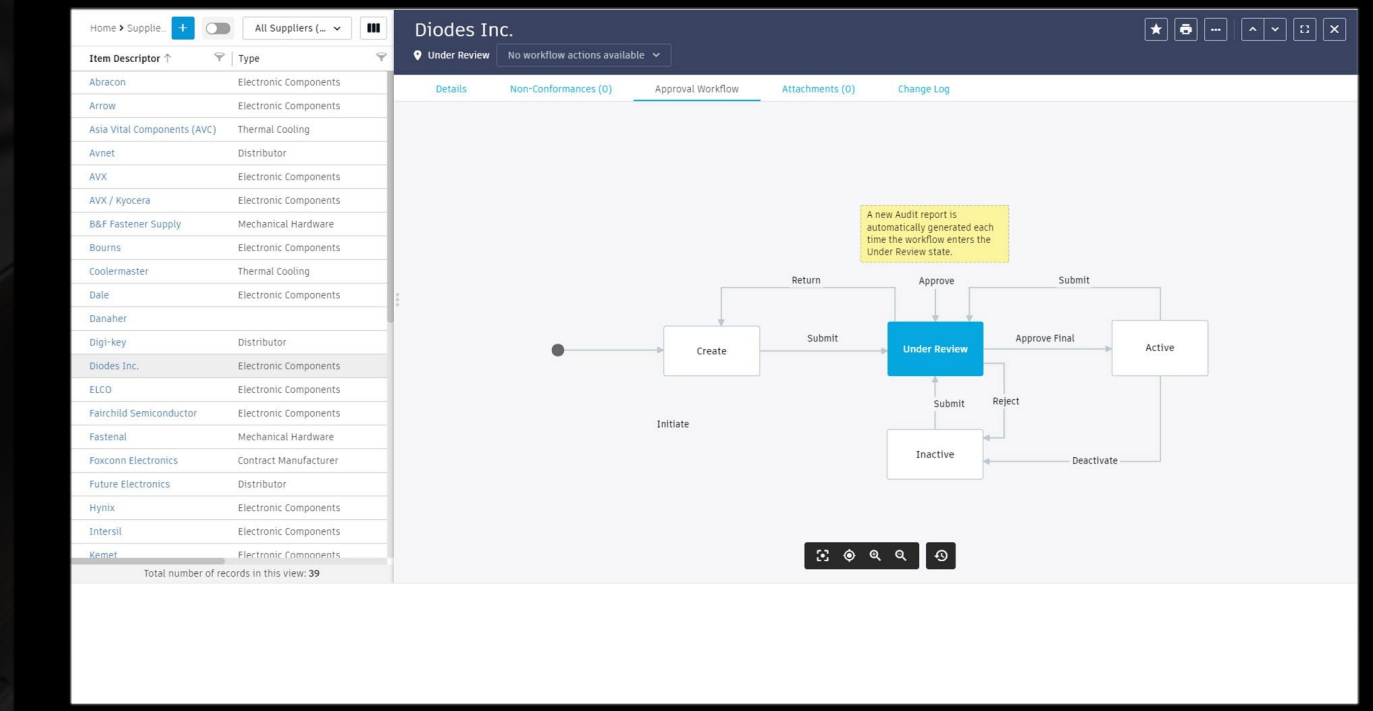
Change Management



Quality Management



Supplier Management



Fusion Connected Product Development Platform

Platform

VLT

MGU

MNG

Framework

- Standardized
- Interoperable
- Configurable
- Extensible

Foundations

- Engineering Management
- Product Management
- Quality Management
- Supply Chain Management
- Project Management
- Digital Asset Management

Scale PSO's

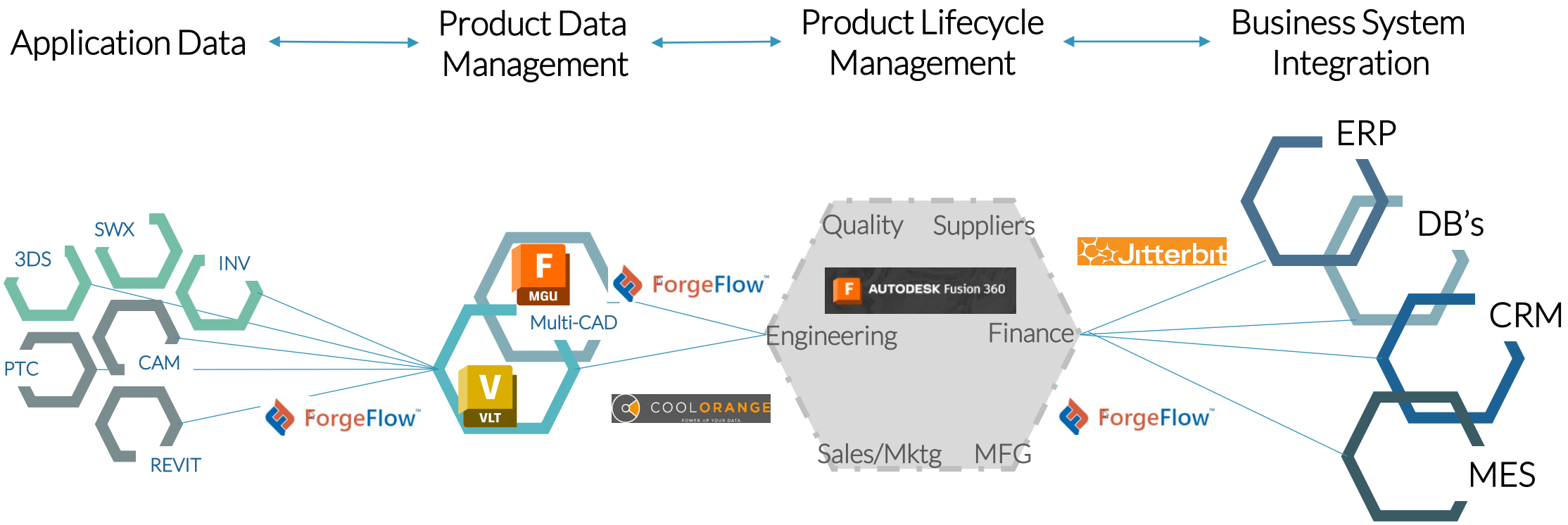
Product Catalog
NPI
NPD
PID - (Inspection Manuals)
Product Certifications
Product Reviews
Product Features
Product Images
Product Numbers
Product Configurator
Product Change Notification
Product Analysis
Product Pricing
Price Adjustments
Pricing Rules
SEO and Search
Users and Roles
Classification Library
Projects and Tasks

Items and BOMs
EBOM
MBOM
Raw Materials
Manufacturing Part Numbers
Engineering Requirements Documents
Manufacturer Change Order
Rapid Innovation Release
Product Change Notification
FMEA
Users and Roles
Classification Library
Projects and Tasks
Ideas
Requirements
Personas
Knowledge Base
Terms and Definitions
Work Instructions
Checklists

Collections
Training Courses
Personal Notebook
Policies and Procedures
Category Management
Users and Roles
Classification Library
Projects and Tasks
Quality Documents
Supplier Documents
Controlled Documents
Requirement Documents
FAI Documents
Users and Roles
Classification Library
Projects and Tasks
Customers
Sales Quotes
Sales Orders
Purchase Orders

Product Analysis
Product Pricing
Price Adjustments
Pricing Rules
SEO and Search
Sales Channel
Users and Roles
Classification Library
Projects and Tasks
APQP
PPAP
Part Submission Warrant
CAPA
Audits
FMEA
Quality Control Plans
Non Conformance Reports
Reason Codes
QA Sampling Plans
Deviation and Waiver Requests

Fusion Connected Product Development Platform



Imagine if…

Before

Emails with screencaps

Manual, disconnected processes

Manual exports

After

Markups captured and communicated

Automated workflows

Singular platform for viewing

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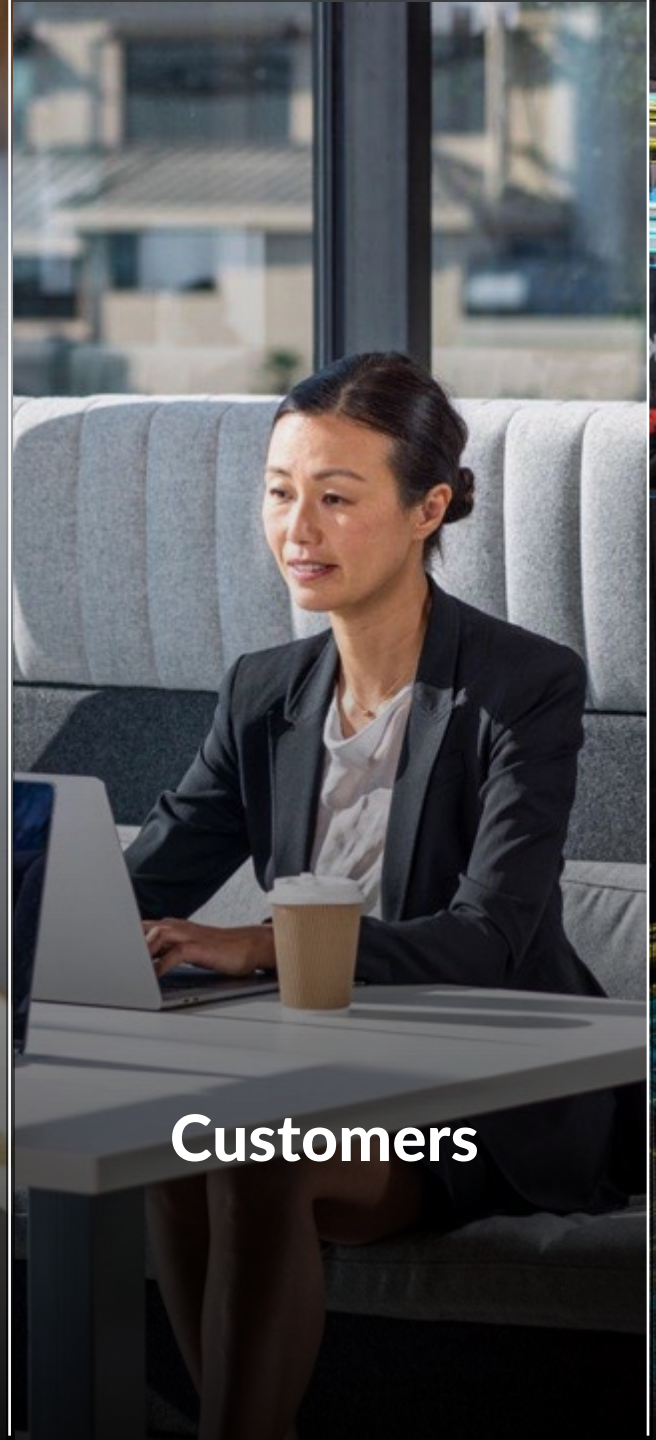
Centralize Your Stakeholders

How many companies communicate with project stakeholders

- Email
- Messenger (teams, slack, google chat, etc)
- Phone
- Comments/markup on shared docs
- Video calls/meetings (zoom, teams, etc)
- In person (meetings/walking to their desk)
- Other (send us a note)

Suppliers


Customers

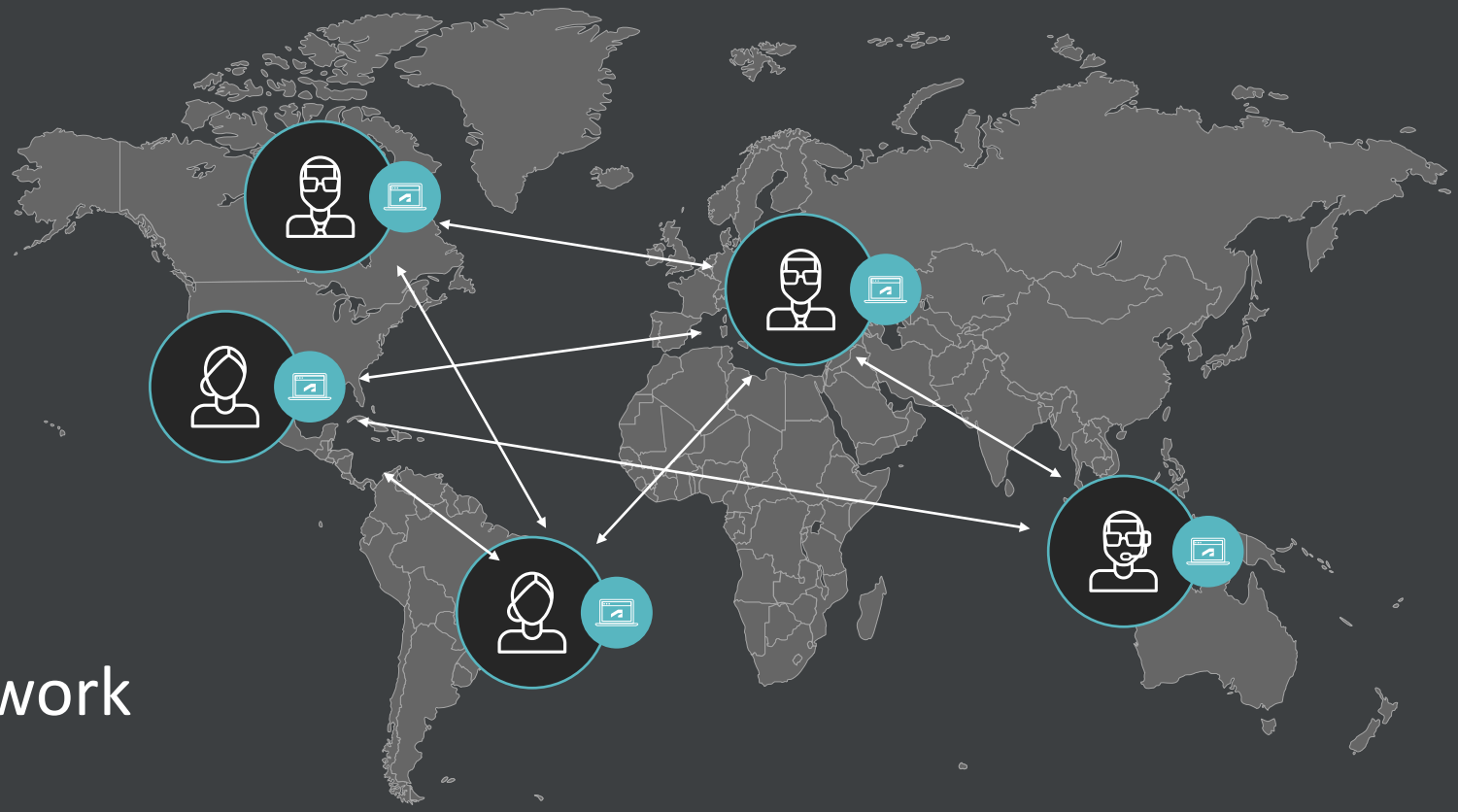
Outsourced
Engineering

Partners

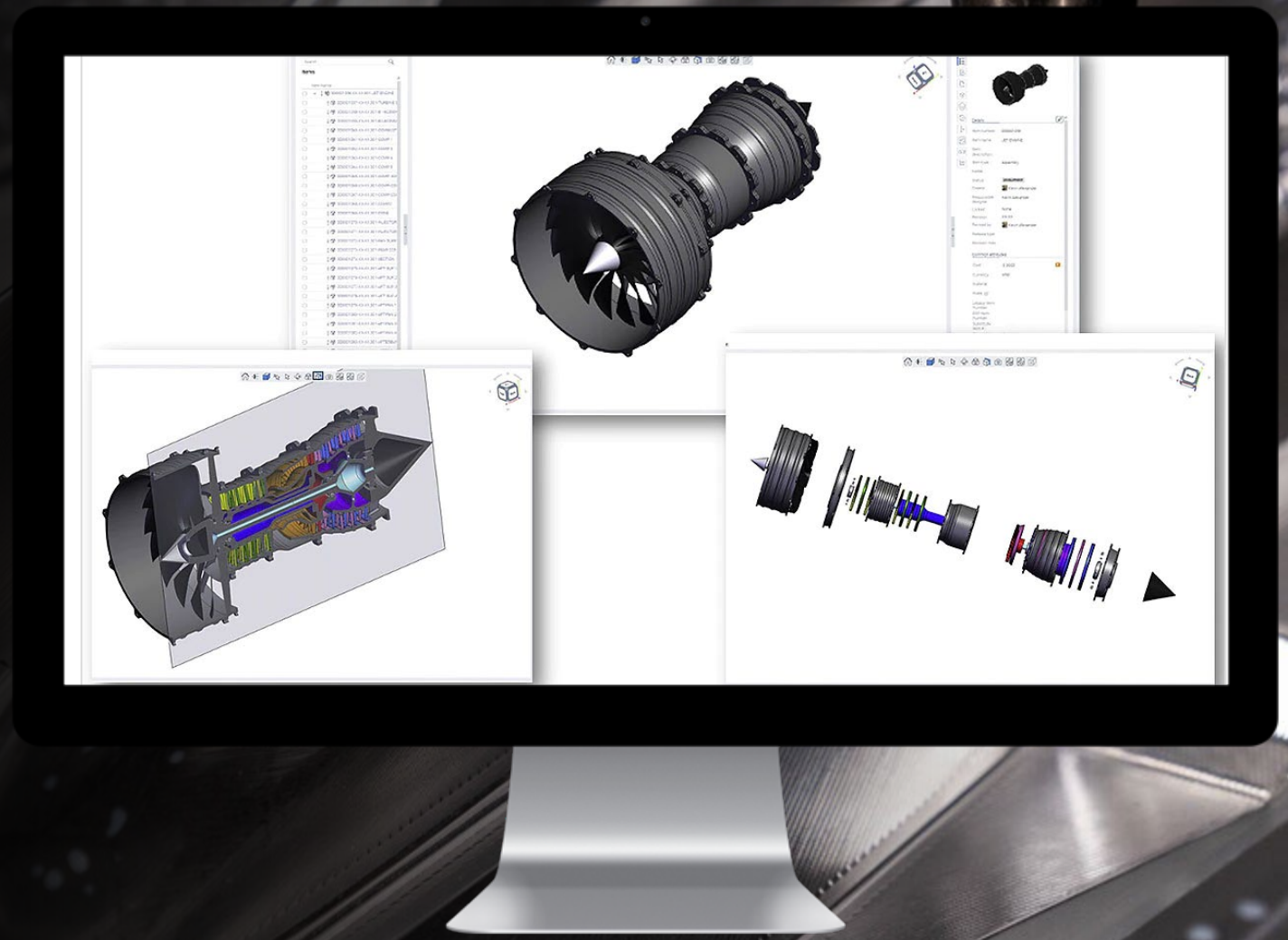
Connect everyone, everywhere, all the time

Anytime, anywhere access with a user experience your people will love

- Web application
- Cloud-based
- Configurable tenants
- Software as a service
- Trusted Autodesk framework

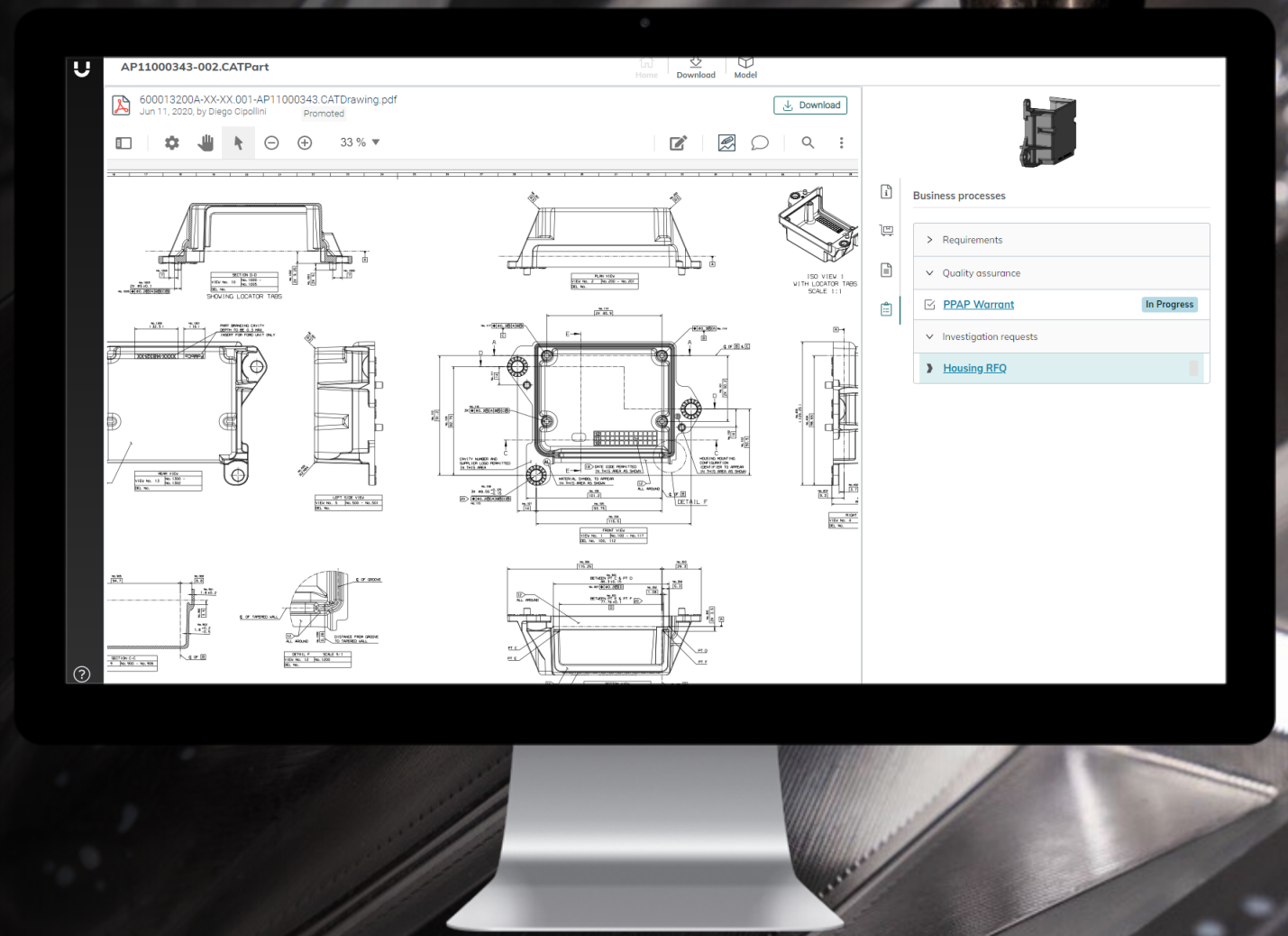


CAD data for non-CAD users



Design collaboration and review

Supplier Collaboration



Imagine if….

Before

Emails to request supplier information

Un-secured data transfer

Meetings, calls

After

Standardized template for RFQs

Secure and granular access to data

Timely feedback loop from outside stakeholders

Q&A

Call to Action

- Discuss your Process and Data needs
  - Ben.Banford@teamd3.com
- Watch AU 2022 Classes
  - Vault: Marvin Windows
  - PLM: Starting Simple
  - Power Up Your PLM with ForgeFlow
  - All Team D3 Classes at AU 2022 Playlist
- Read the ForgeFlow Blog
  - ForgeFlow Blog (teamd3.com)
- Find our listing in Customer Success Hub
  - https://customersuccess.autodesk.com/partners/1131
- Get Started Easily with Our Foundation Packs
  - Packaged Service Offerings | Solutions | D3 Technologies

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