

**THREEDY** GmbH

# 3D Data Highway for Industrial AI

25.03.2026 - Christian Stein



Company overview

# Spatial Computing Pioneers

# THREEDY GmbH



Christian Stein

CEO

2020 FOUNDED

50+ EMPLOYEES

25+ YEARS EXPERIENCE

Backed by

**matterwave**<sup>®</sup>  
ventures

**LB BW VC**

**Fraunhofer**  
VENTURE



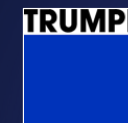
**FUTURY**  
CAPITAL



**EQUITY PITCHER**  
Ventures

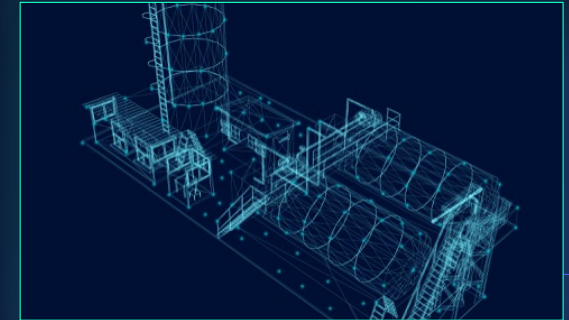
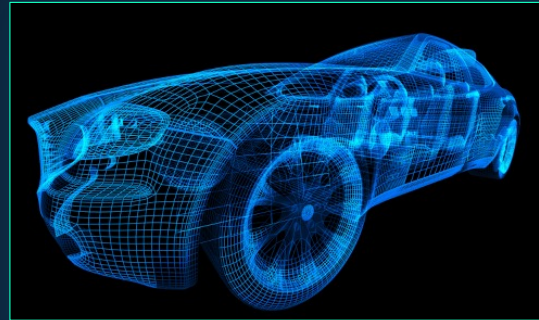
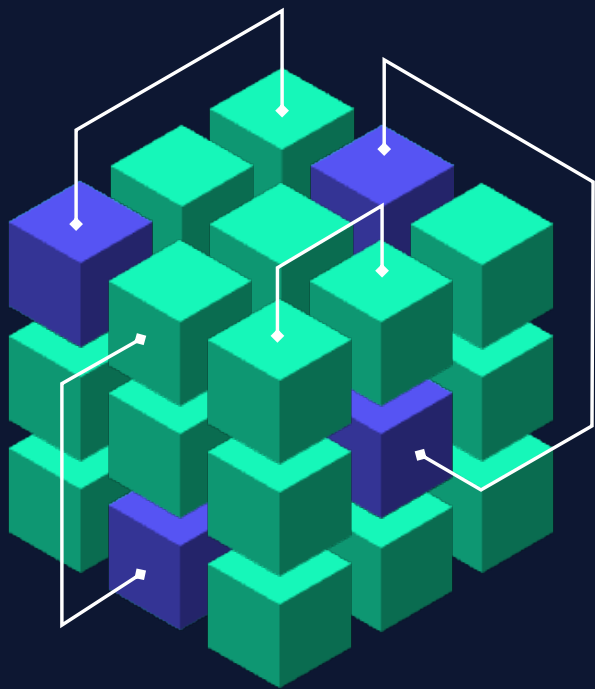


DAIMLER TRUCK

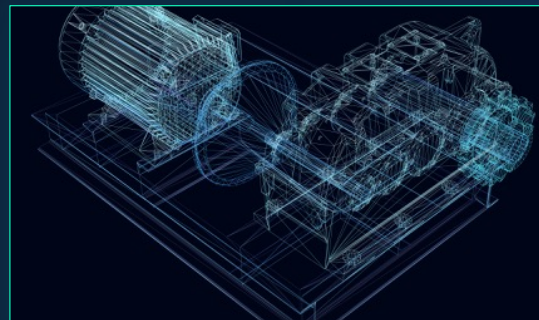


Trend

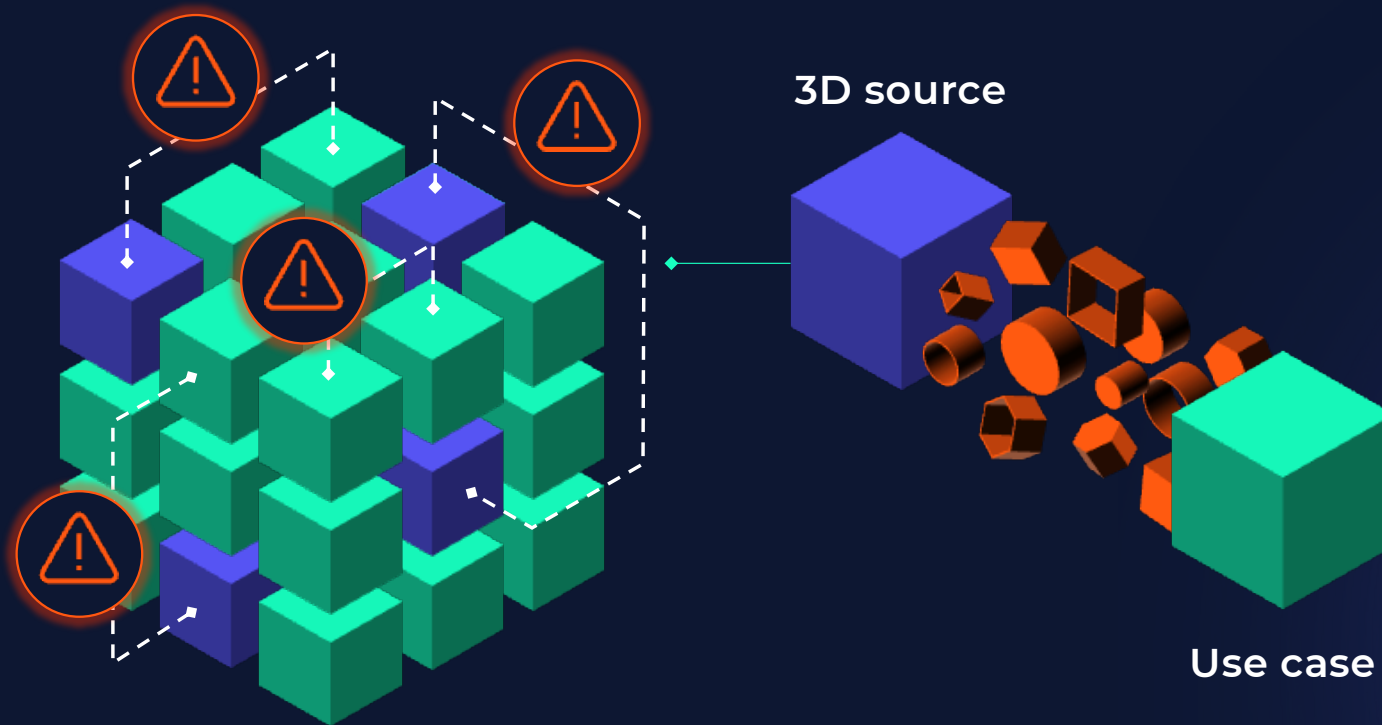
# Digital Transformation and Industrial 3D & AI



Hyperconnectivity offers huge business potential



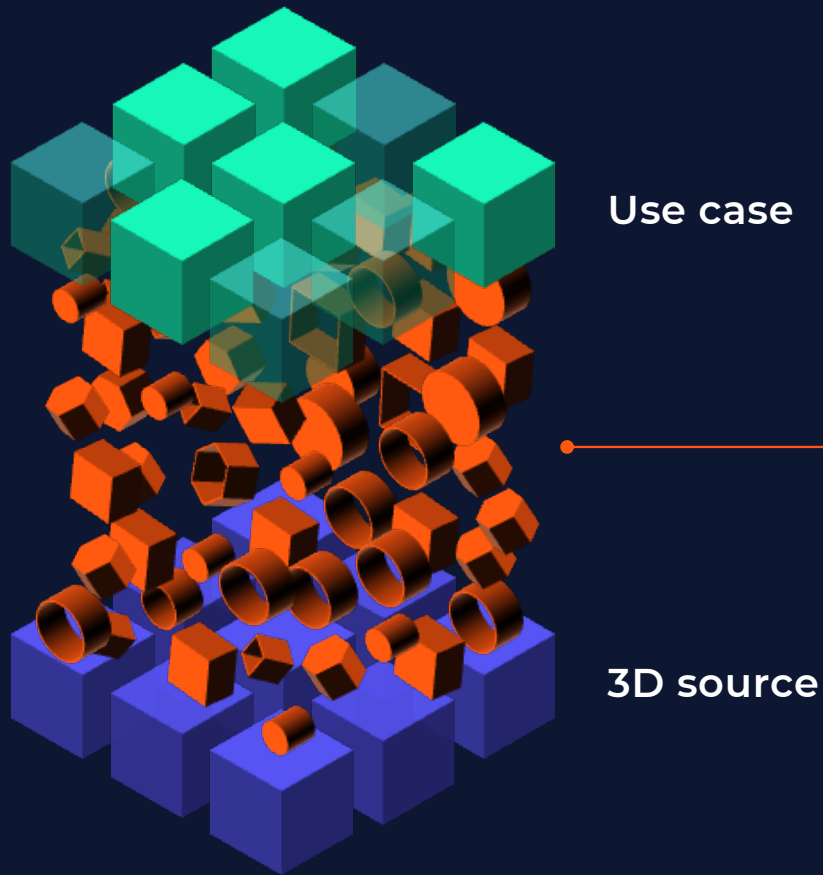
# Digital Transformation and Industrial 3D & AI



Enterprise-level 3D data handling has not modernized

- ✗ 50+ formats
- ✗ Use case specific data preparation
- ✗ Loading times
- ✗ Orphaned data

# Digital Transformation and Industrial 3D & AI

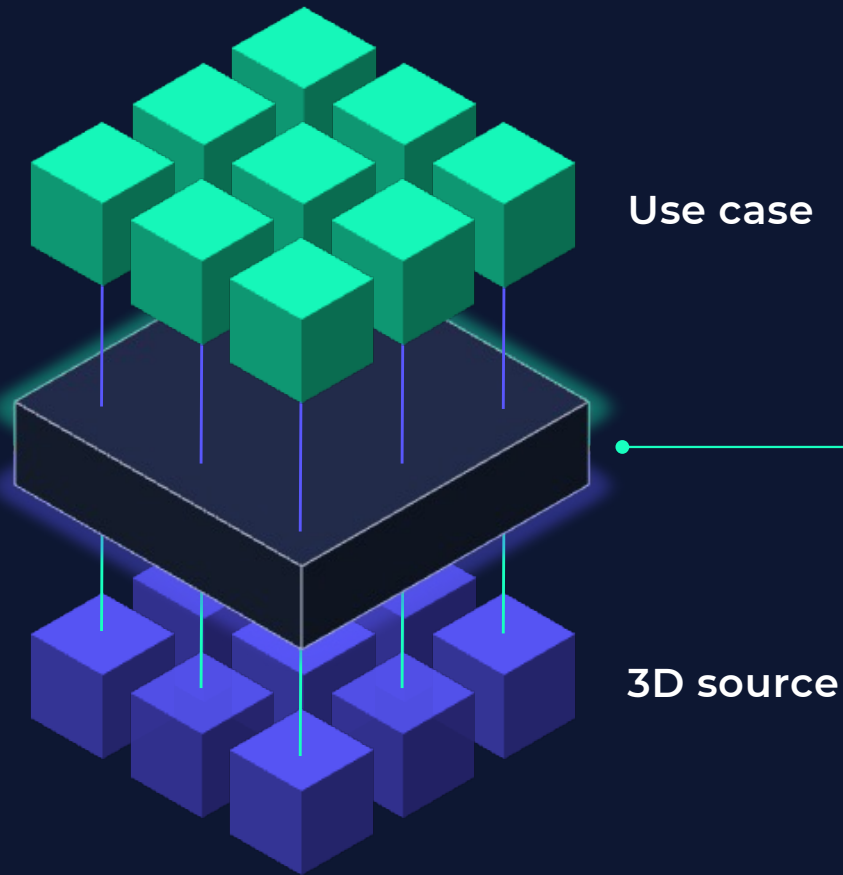


## Enterprise-level 3D data handling has not modernized

- ✘ **No source of truth**  
Conversion, quality reduction, lost connectivity
- ✘ **Inaccessible**  
Lack of consistency creates friction across organization
- ✘ **Wasted resources**  
IT overheads and manual effort accumulates

Solution

# Digital Transformation and Industrial 3D & AI



## Zero-deploy, scalable data connectivity



### Harmonized

Preserve linkage between data entities & application – across formats & source systems



### Democratized

Easy and company-wide access to resources – for users and developers

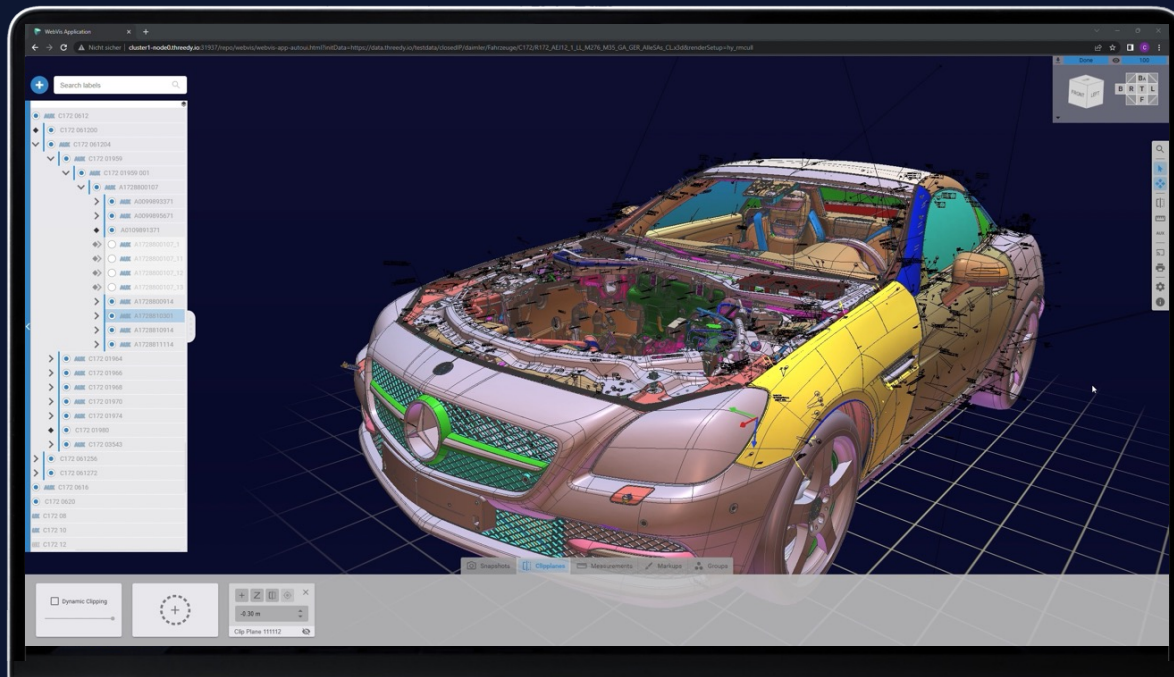


### Efficient & Scalable

Reduce demands on hardware, licenses, and efforts – from first use case to company-wide roll-out

Data & Compute Virtualization

# Google Maps for CAD data

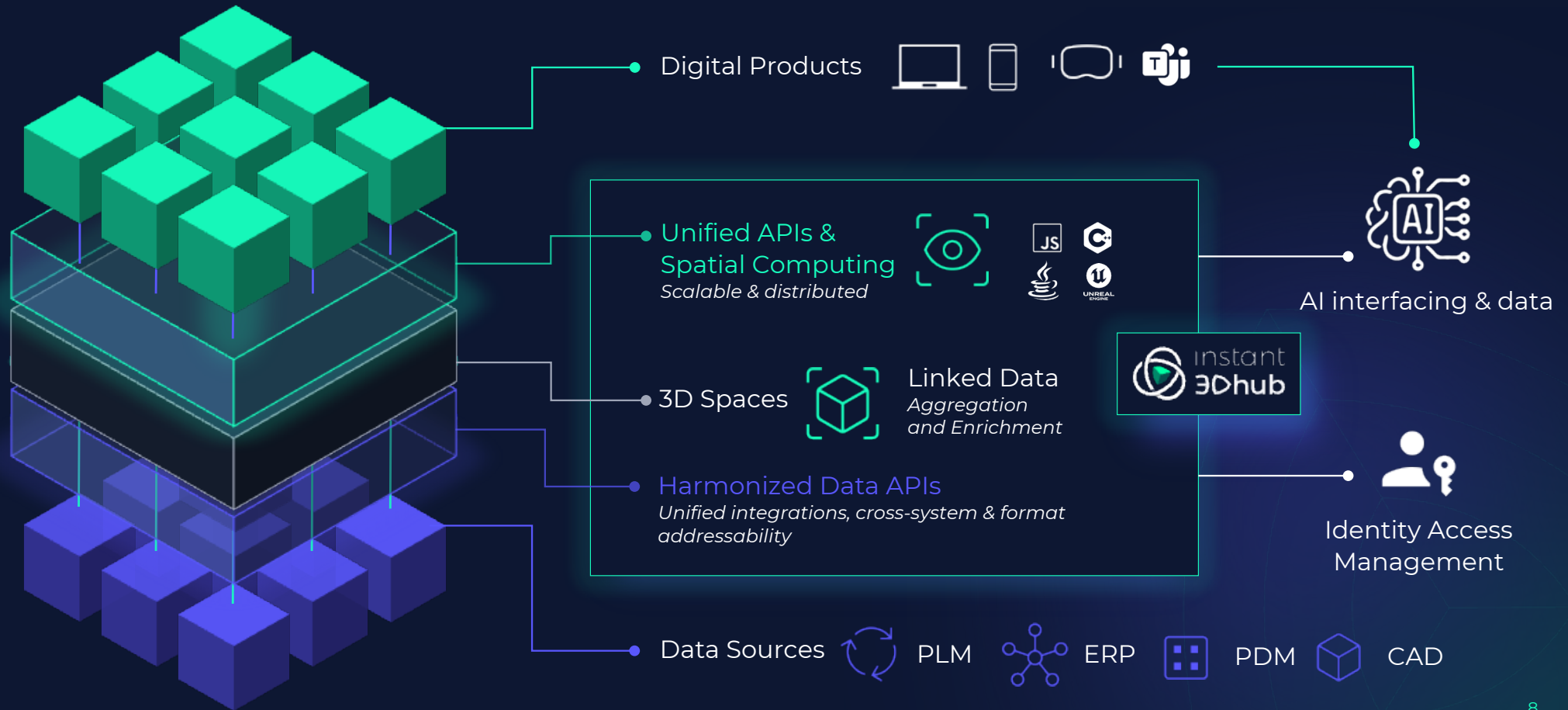


**Millions**  
of linked data instances

**Instant**  
availability of full  
data quality

**Live**  
visualization &  
collaboration

# Virtualized 3D Data & Spatial Computing



# Use Cases along the product life-cycle

Eng. & Design

Manufacturing

..

AfterSales & Service



- Engineering Review & Collaboration
- Visualization-as-a-Service backbone
- >6.000 unique users



- XR platform for Engineering & Prototyping
- Cross-platform workflows
- Global roll-out



- Real-time 3D & AR-enabled Repair Guides
- Interactive work instructions
- Available in world-wide workshops

# 3D Data Highway for Industrial AI

1

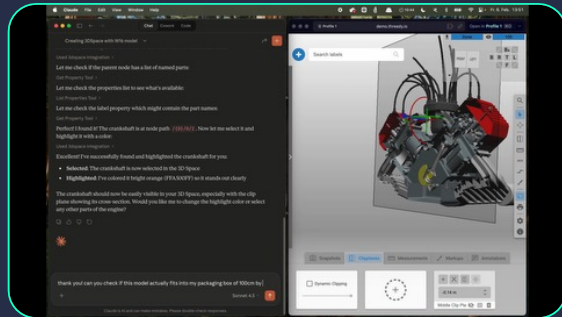
## 3D Co-Pilots

Interact in natural language with your CAD data

Provide tools to enable complex **agentic spatial computation** without polluting the context

### Scenario:

"I need to review the recent changes with respect to these requirements"

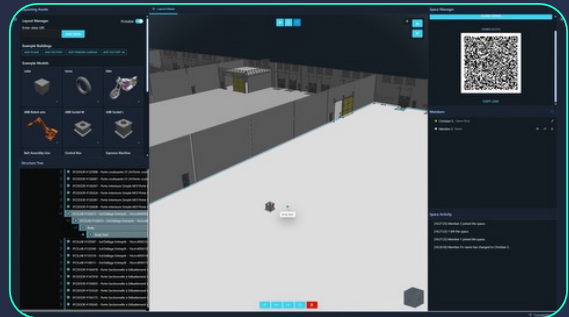


2

## Adaptive UI Generation

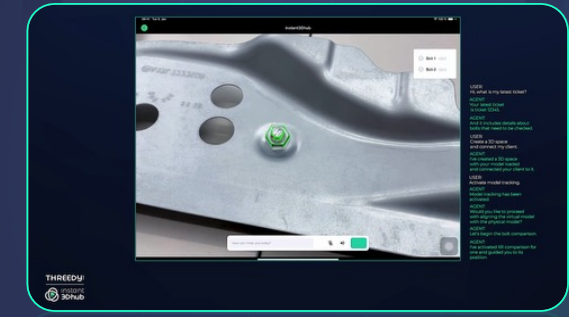
Input: Role + Context + UX Need  
Output: Perfectly tailored interface

User Role	Generated Experience
Design Engineer	Full CAD tools, measurement, analysis
Service Technician	Simplified view, step-by-step guides
Executive	KPI dashboard, 3D highlights only



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## Workflow Automation



**THREEDY** GmbH

**Thank you**

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