CDMTech
FOR INNOVATIVE SOLUTIONS

neusburger®

Anwendertreffen

am 26. März 2024 in Lüdenscheid

SuPAR – Interactive Inspection

Speaker: Kemal Gider

Teams, 26.03.2024

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Our Technology and Product Base

Know-how:

- AR & UX
- AI
- Industrial use case and PLM experience
- Enterprise processes

Technologies:

- CDM Tracker (Model Based Tracking Engine)
- CAD2AR
- Figma Importer (UI Importer)

CDM-Tracker

Product:

- SuPAR Interactive Inspection
  - SuPAR App
  - SuPAR Composer

SuPAR™

https://cdmtech.de/

https://github.com/cdmvision

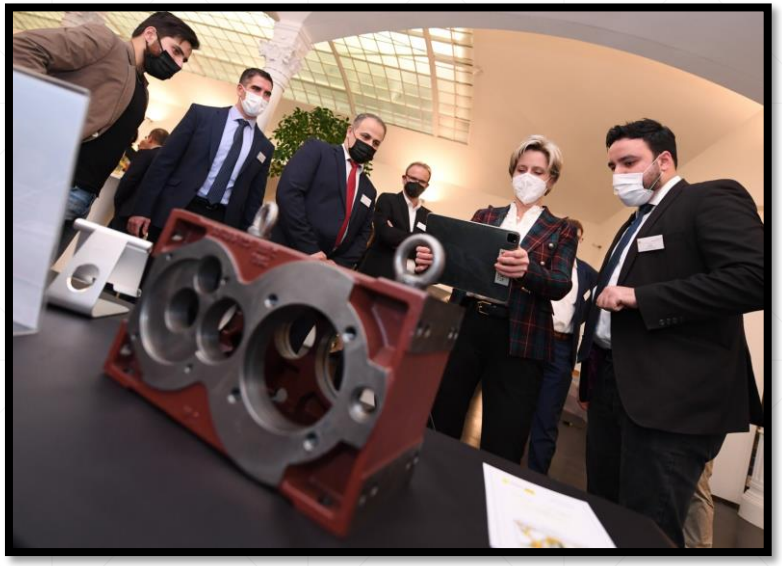
https://supar.eu/

1) Team

35x employee

6x	Management
7x	Sales Engineers
12x	Developers
3x	Support
2x	Trainer
1x	Trainee
3x	Manager Assistant

Innovation Award 2021



Reference projects

Bahnprojekt

Public Relations in AR

Start: 2019

Development of 7x apps for the

Stuttgart-Ulm railway project for 5 years.

World's largest AR tracking

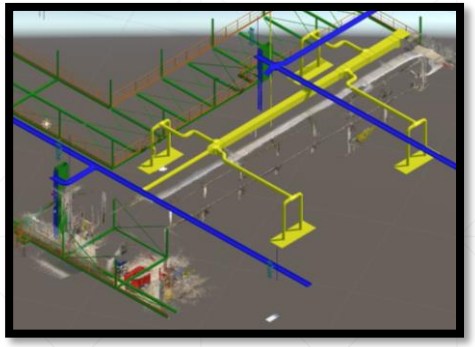
Automobilbauer

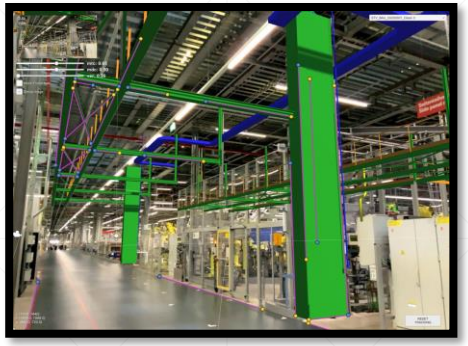
Factory Floor Digitilisation

Start 2020

Factory and production planning with AR - building data matching

First combined used Lidar Scan and AR Tracking





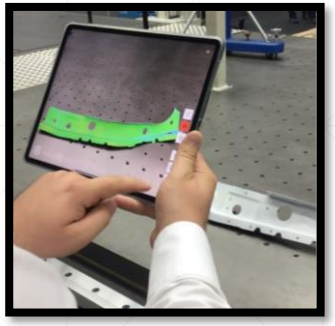
Automobilbauer

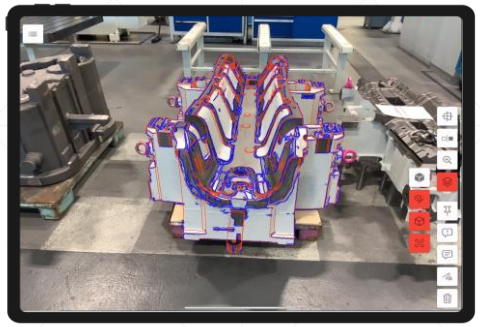
„Interactive Inspection“ – Qualitytool in AR

Start: 2020 **SuPAR™ - interactive inspection**

Development of SuPAR - Mobile Inspection with 45 BMW engineers

World's first markerless AR software for quality inspection





Reference projects

SuPAR™

INSPEKTION —
Mobile und visuelle Inspektion in AR

PROTOKOLLIERUNG —
Intelligente Protokollierung direkt am Bauteil & automatisierte Erstellung von Excel-Kommentarlisten

KOMMUNIKATION —
Microsoft TEAMS-Anbindung während Inspektion & 3D Viewer für den digitalen Zwilling

3) Customer base

500+ active licenses

160+ customers

50+ enterprise customers

20x OEMs

2x system integration PLM

https://supar.eu/

CDMTech
FOR INNOVATIVE SOLUTIONS

SuPAR Interactive Inspection - Referenzen

SuPAR™

Internationales Vertrieb und Servicenetzwerk

SuPAR™

20x Distributoren in 30 Country

DACH

CDM Tech in Stuttgart

- Enterprise
- OEMs (BMW, Porsche, Daimler, Audi, VW)
- SME in Germany

EMEA

12x Reseller

- Italy
- Sweden / Fin /Norway
- Portugal
- Romania
- U.K. / Ireland
- Czech / Slo
- Poland
- HR, SI, RS
- Spain
- Turkey

AMERICAS

3x Reseller

- U.S.A.
- Brazil / ARG
- Mexico

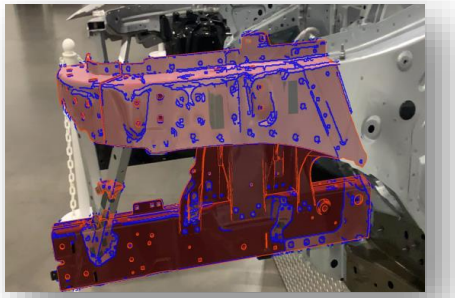
APAC

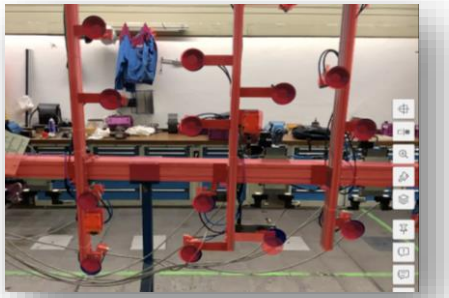
4x Reseller

- China / Hong Kong
- India
- Japan
- South Korea

Use Cases in den Fachbereichen

Produktion	Wartung Inspektion	Design/Prototypen	Logistik / ShopFloor	Betriebsmittelbau
• Karoserreibaubau • Werkzeugbau • Lackiereirei • Sonderfertigung	• Anlagenbau • Instandhaltung	• Studio • Cubing • Prototypenbau • Musterbau	• Ladungsträger • Wareneingang/-ausgang	• Greifer • Vorrichtung



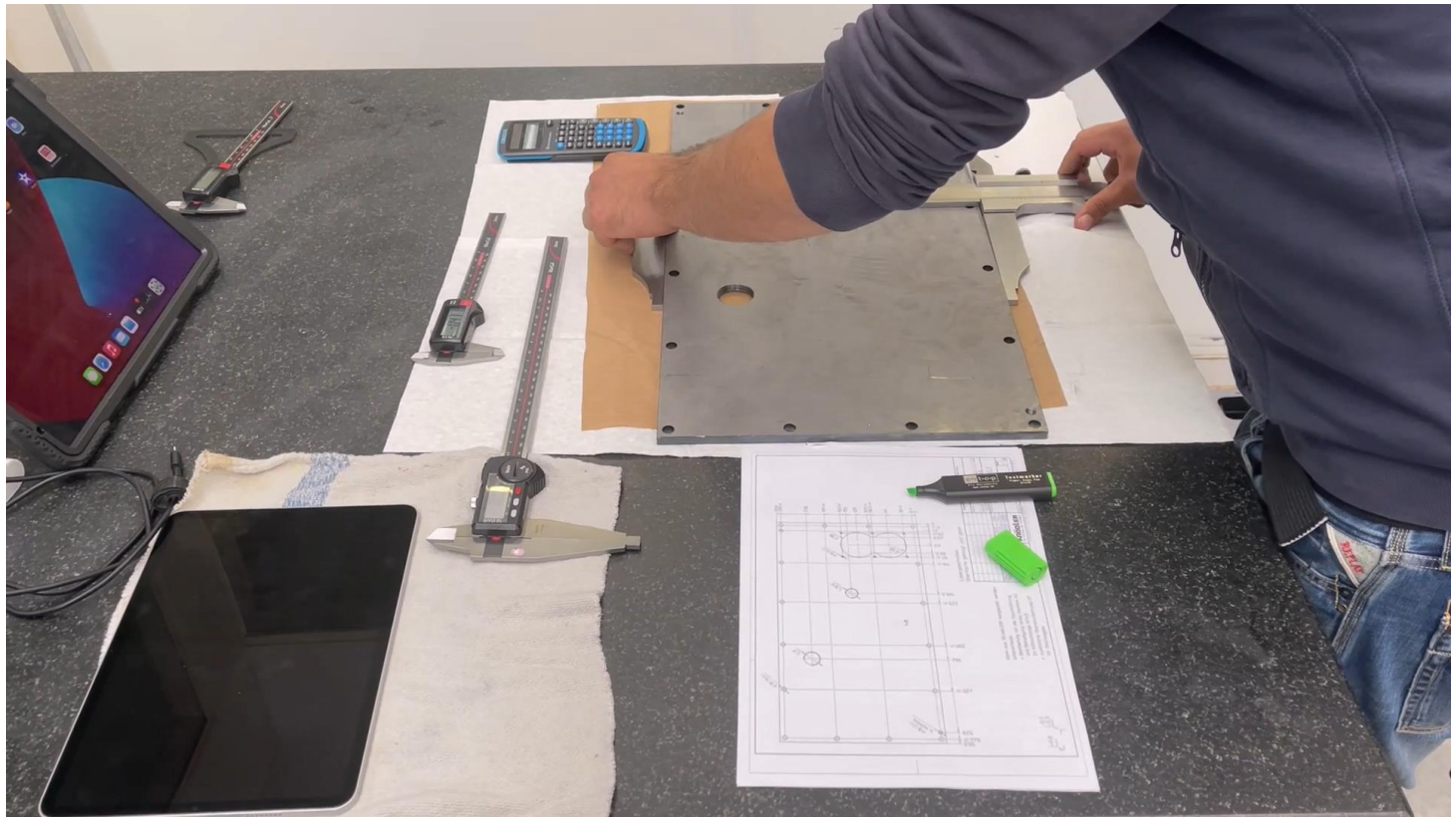


Bereichsübergreifend

Fachübergreifende Use Cases

- Ersetzung von 2D-Zeichnungen PMI
- Digitaler Prüfplan
- Remote Abnahme/Bemusterung
- Digitaler Begleitkarte
- 3D Berichterstattung

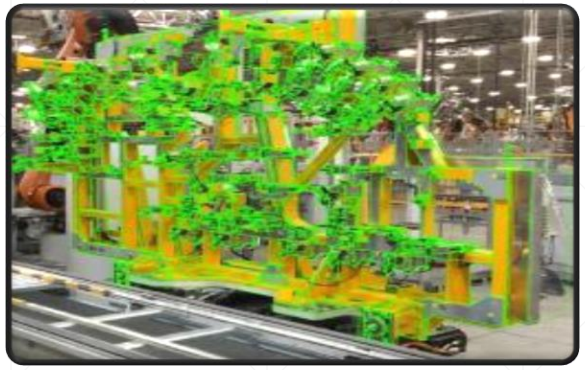
GAME CHANGER

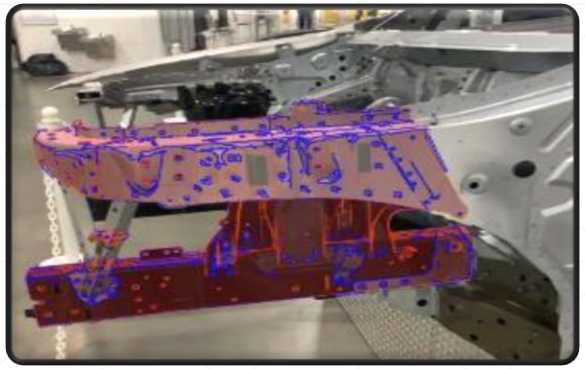
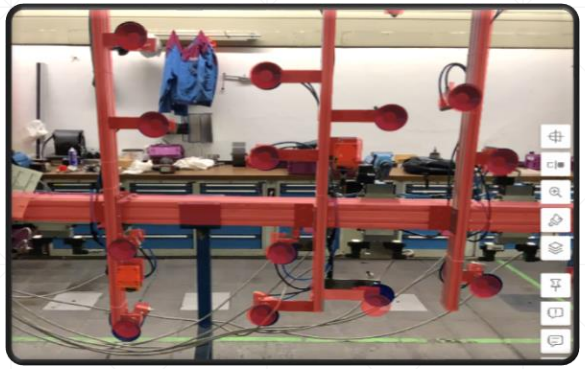


SuPAR™

Abteilungen

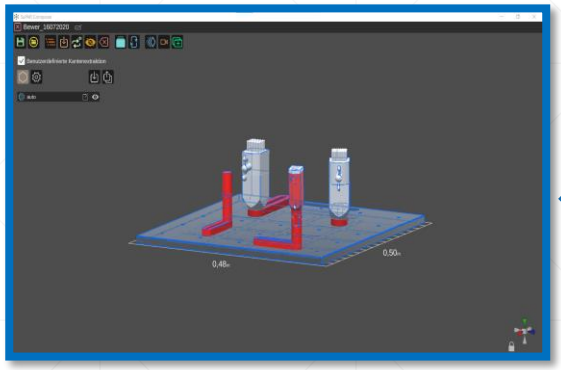
- Tool and Die making
- Production equipment
- Incoming goods inspection
- Geometry and Metrology
- Jig and fixture construction
- Measuring fixtures
- Transport trays
- Prototype construction
- Test cubing
- Design / Strak
- IT AR/VR
- Press shop
- Body Shop and Painting



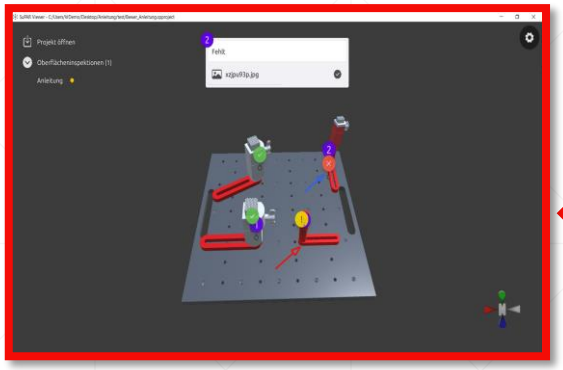



SuPAR™

SuPAR™ – 2in1 Software



SuPAR Composer -
Data preparation tool



SuPAR Composer -
3D Viewer / Debriefing of the inspection

2in1

SuPAR™
Composer

PC /
Laptop

CAD → AR

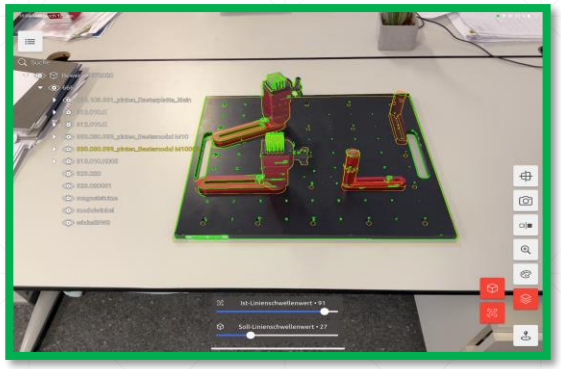
3D Viewer

SuPAR™
APP

Tablet

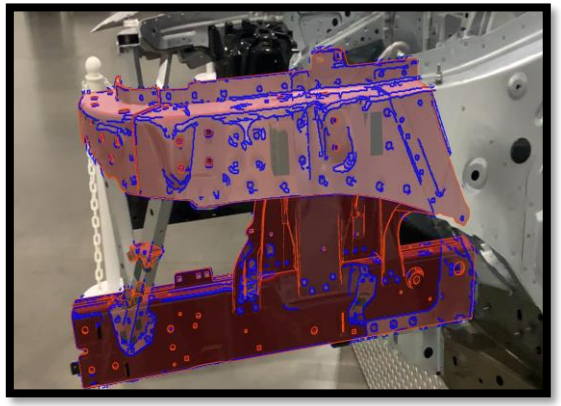
Mobile

AR APP

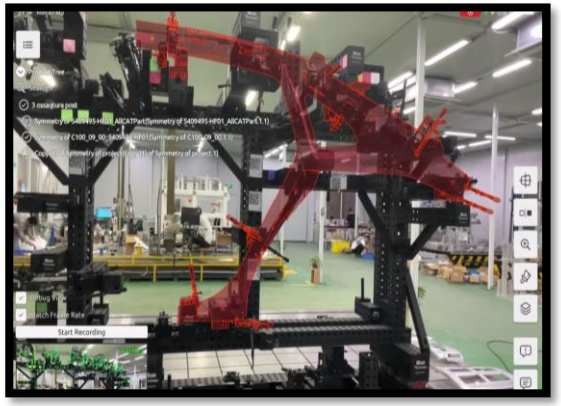


SuPAR App -
Inspection directly on the vehicle/component
Report creation

SuPAR ™ generische AR Prozesse

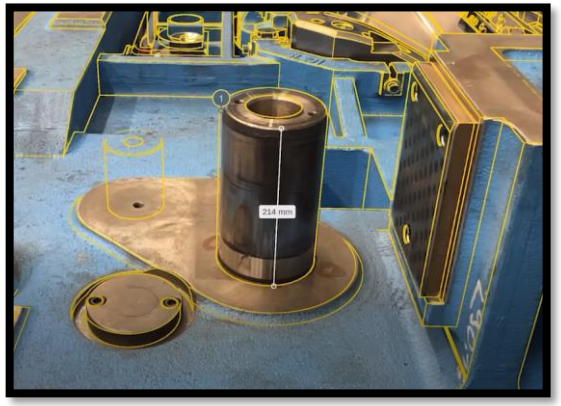


Visuelle Inspektion

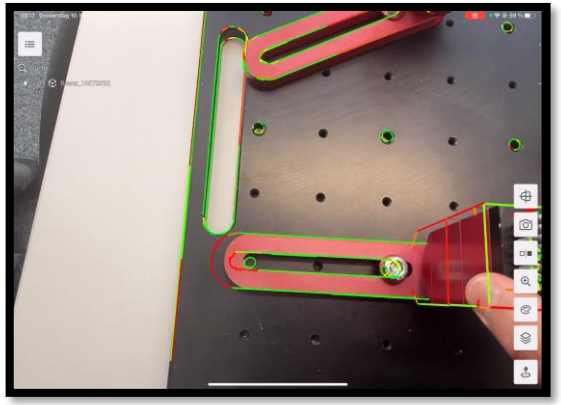


Virtuelle Modellerweiterung

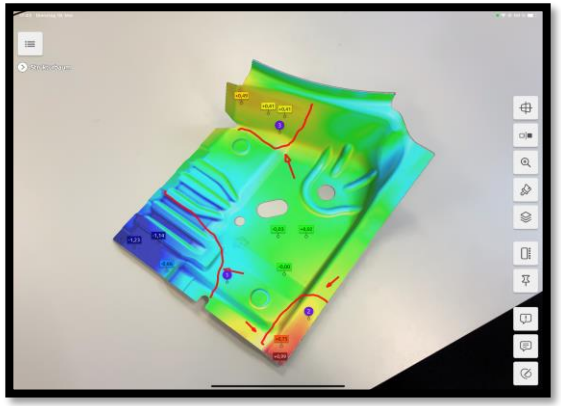
Digital Twin im Raum /
Visualisierung von PMI & Metadaten



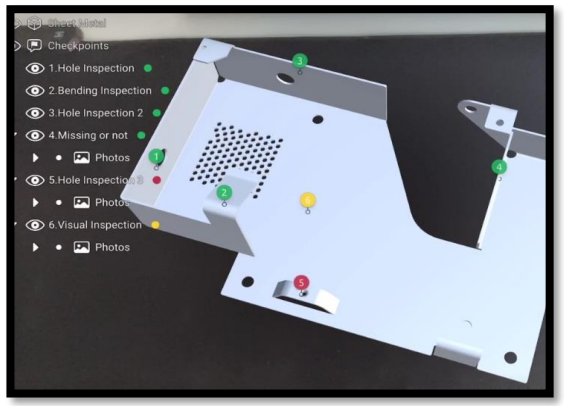
Digitales Maßband



Automatisches rot grün
Feedback auf CAD Soll-Kanten



Visualisierung Falschfarbbild

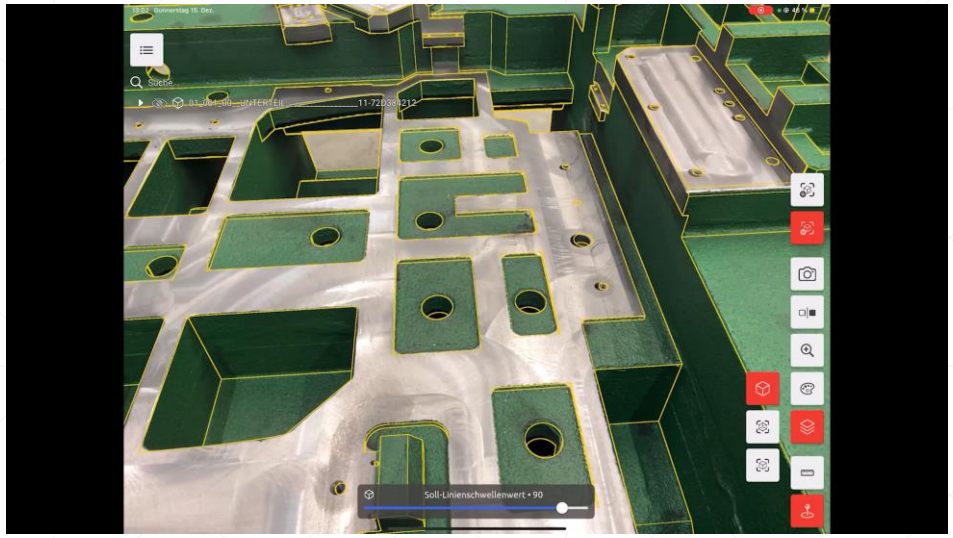


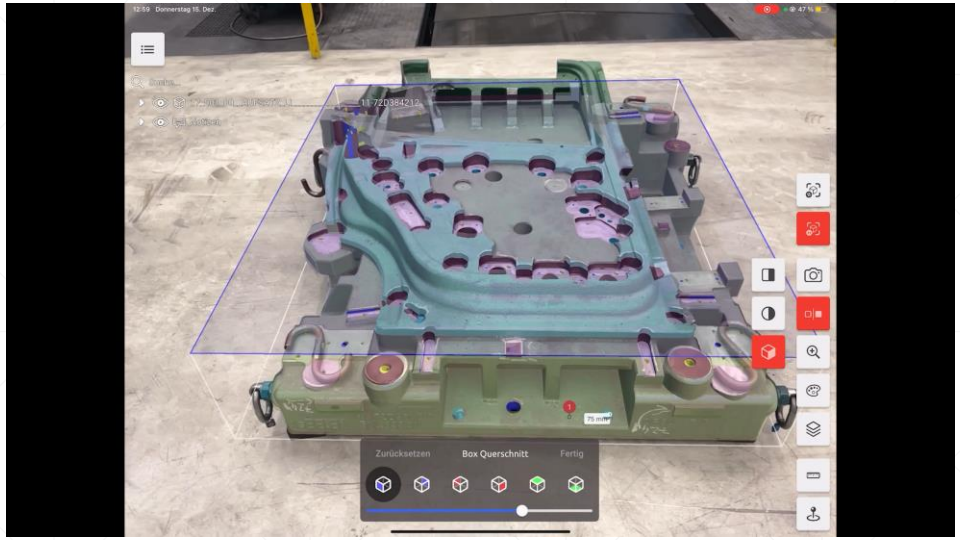
Digitaler Prüfplan

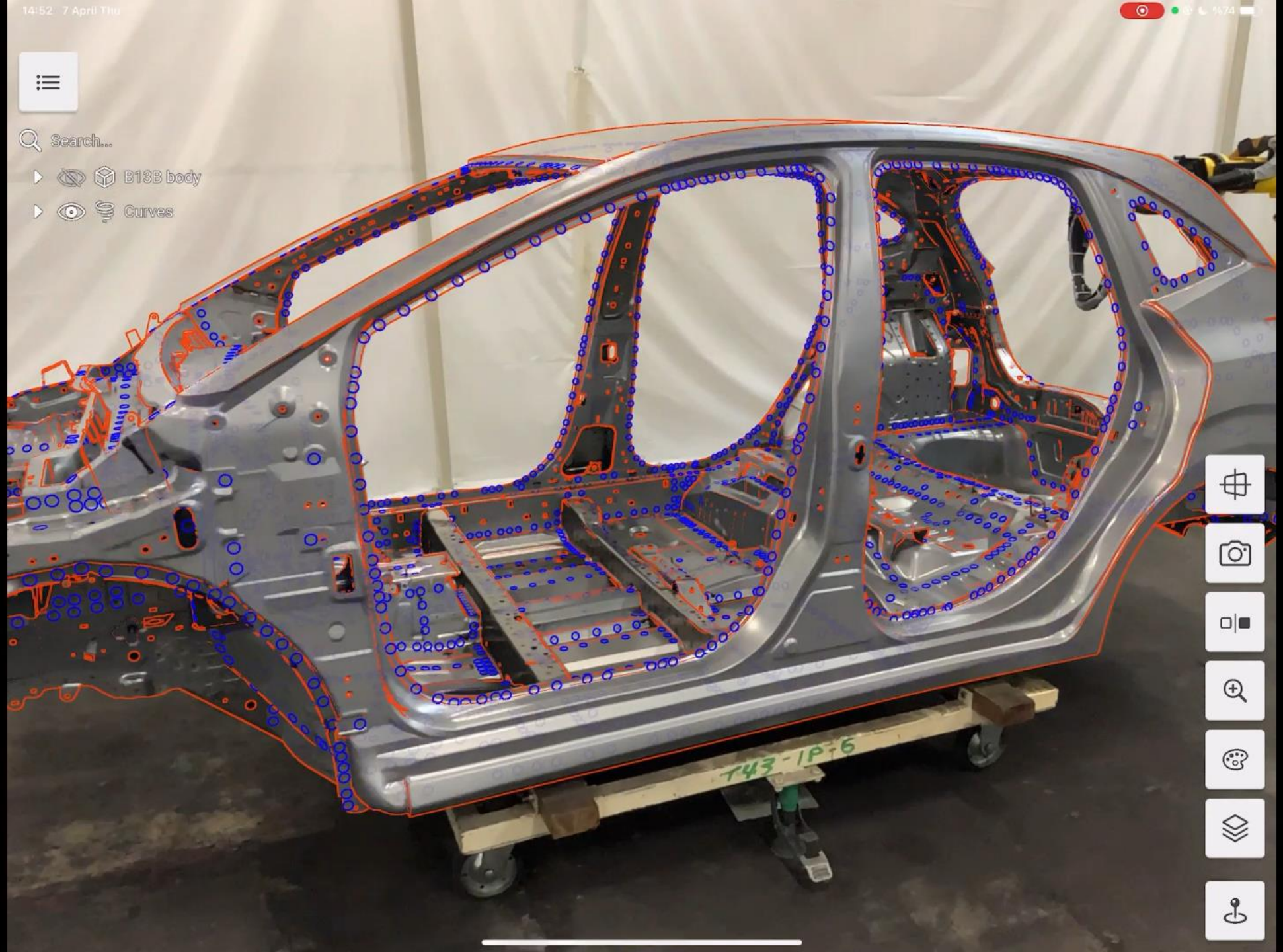
3D Dokumentation &
Kommunikation

SuPAR™

USE CASEs im Werkzeugbau



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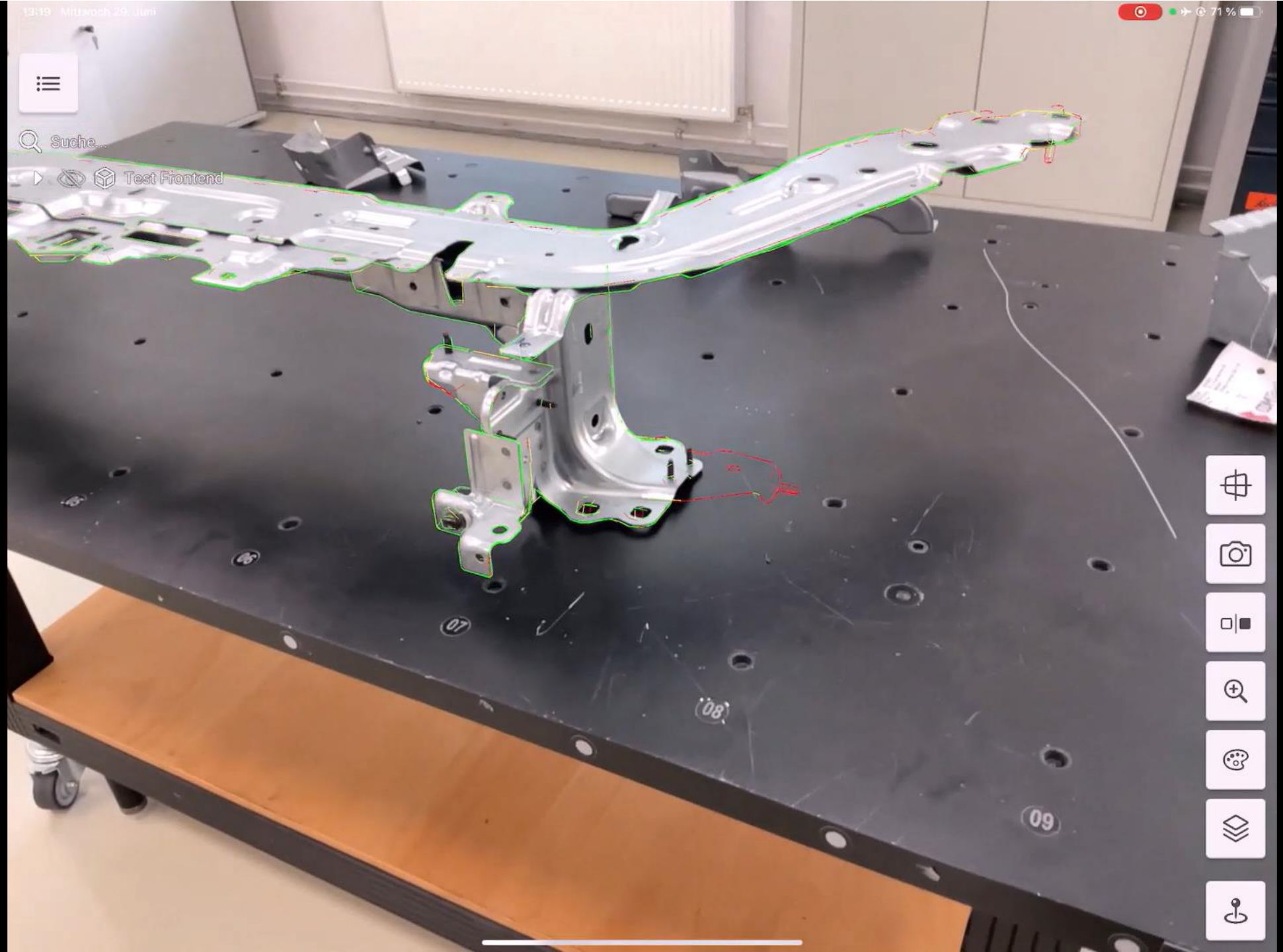
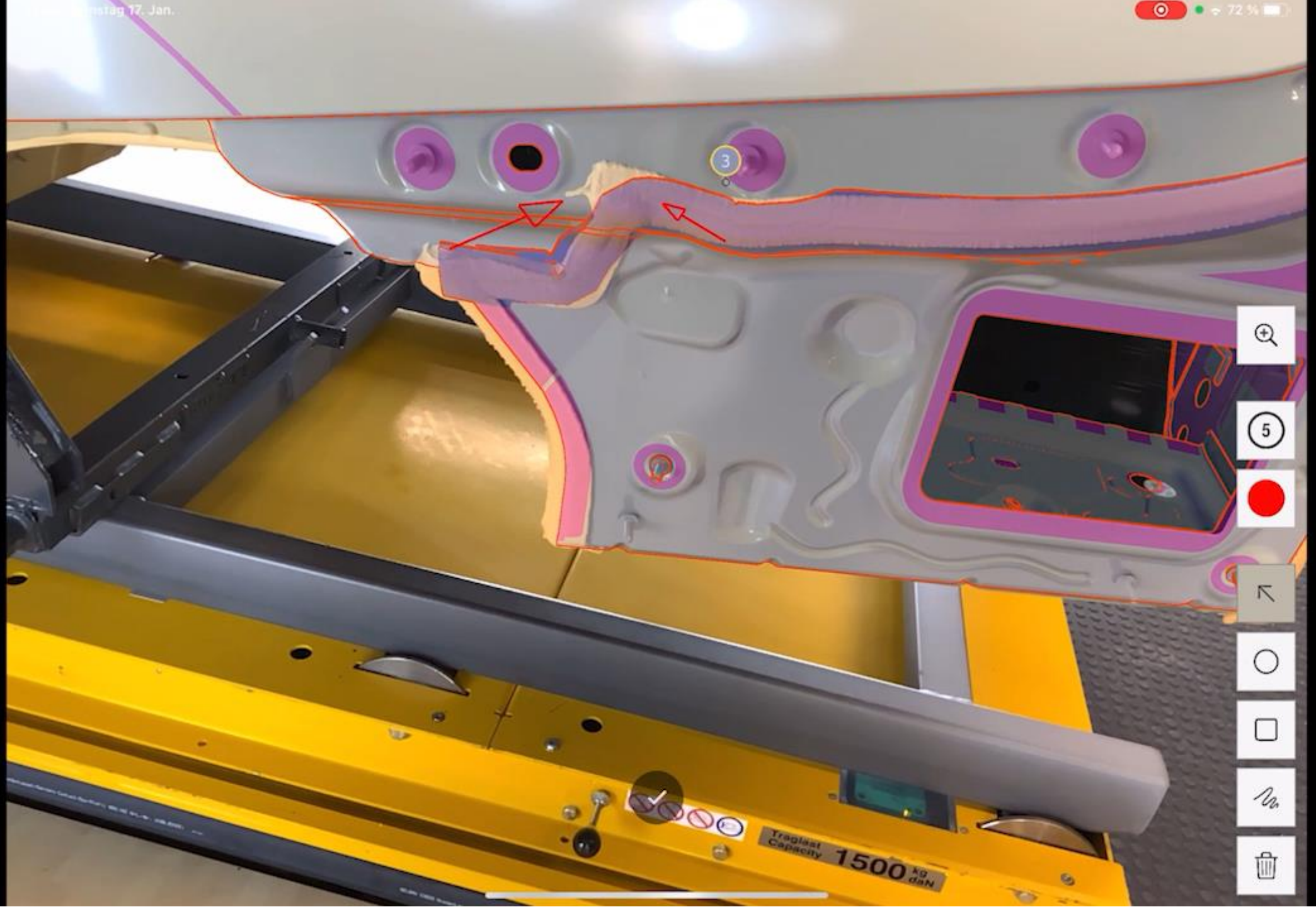
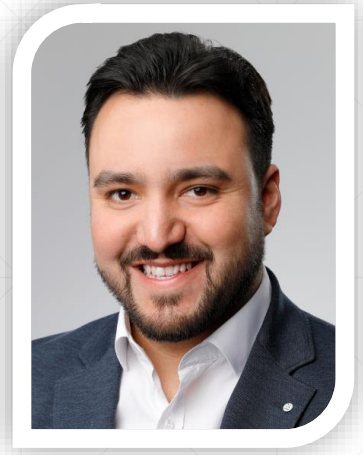
Search...
B13B body
Curves
T43-1P-6


Suche...
Test Frontend


3
5
Traglast
Capacity
1500 kg
daN

14:44 Donnerstag 15. Dez.
40
Suche...
40-30D_391647_____A00_PROZESSGREIFER
Zurücksetzen
Planarer Querschnitt
Fertig

vielen Dank!



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