



**MOUTON**  
ENGINEERING SYSTEMS



**MOUTON PERFORMANCE - M**

**MOUTON**  
**PERFORMANCE-M**

"HANDCRAFTED HIGH PERFORMANCE"

# CORE STATEMENTS



**M**

**TO PUSH THE LIMITS OF THE  
INDUSTRY FURTHERMORE OF  
BEYOND.**

**V**

**TO BECOME INDUSTRY'S NUMBER ONE  
SOLUTION'S SUPPLIER**

**TO SHAPE TOMORROW'S LIFE ONE CLIENT  
AT A TIME**

# CORE VALUES

**DILIGENCE**

**ACCURACY**

**PASSION**

**INNOVATION**

**COMMITMENT**

**INTEGRITY**

**HUMILITY**

**TEAM-  
WORK**



# WHERE ARE WE FROM?



FOR MORE THAN THREE YEARS NOW WE'VE BEEN CONSTANTLY PUTTING THE NAME OF MÉXICO IN THE WORLD MAP.

THE EXPERIENCE OF OUR COLLEAGUES AND THE QUALITY OF OUR SERVICES IS OUR PERSONAL MARK.

ESTABLISHED IN CHIHUAHUA, CHIH. MÉXICO, SINCE 2021



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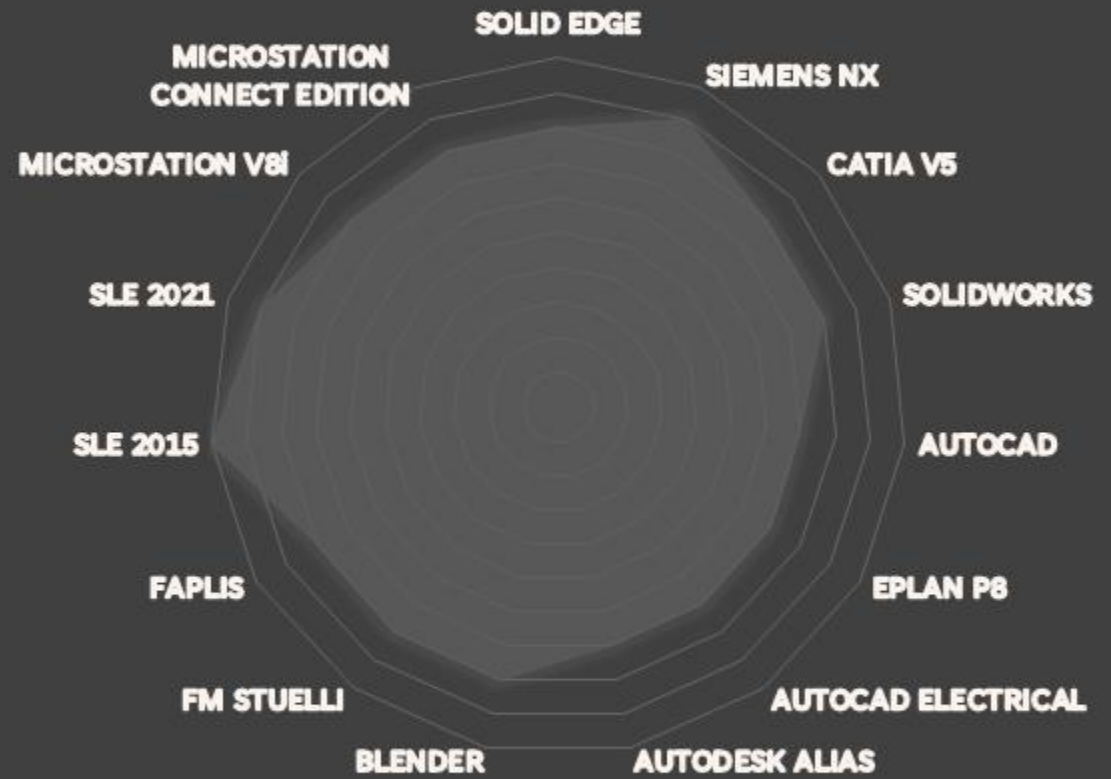


# WHO'S SUPPORTING US?

WE BELIEVE IN A MUTUAL SUCCESS AND OUR CLIENTS ARE THE BEST, IS THANKS TO THEM THAT WE'VE BEEN CONSTANTLY PUSHING OUR LIMITS FURTHER EVERY YEAR.  
THIS IS A GLOBAL PARTNERSHIP NOW AND WE'RE LOOKING FORWARD TO CONNECT EVEN MORE WITH OUR CLIENTS.



# SOFTWARE CAPABILITIES





## Fast Ordering Process

- Due to our client satisfaction standard processes, fast processing of all orders is priority.

## Material Compliance

- We adapt to the client. If possibilities are in our hands we stick to the client requirements as much as possible.

## Low Time Part Production

- All prices are offered at fair times. We strive for perfection and low time production.

## Low Assembly Lead Time

- We stick as much as possible to the schedule. We strive for perfection and low time production.

## Revisioning

- We do offer constant revisioning for all our clients, this way we can ensure 100% satisfaction in all our works.

## Worldwide Export

- We have the hability and the strategic partners to export worldwide, however our main markets are located in Germany, U.S.A and México.

## Warranty

- Client satisfaction and Good service are our top priorities, we do offer a variable design and revisión warranties for all our Works.

# PRODUCTION CAPABILITIES





# WE WORK THE FOLLOWING PLATFORMS

## **CAD/CAM/CAE**

### **PARAMETRIC**

- SOLIDWORKS
- AUTOCAD
- SOLID EDGE
- NX
- CATIA V5

## **ELECTRICAL**

### **(ECAD)**

- AUTOCAD ELECTRICAL
- EPLAN P8

## **DOCUMENTATION & MANAGEMENT**

### **TECHNICAL**

- SLE INTEGRA  
2015 & 2021
- MICROSTATION
- PRISMA/ CARISMA
- FAPLIS

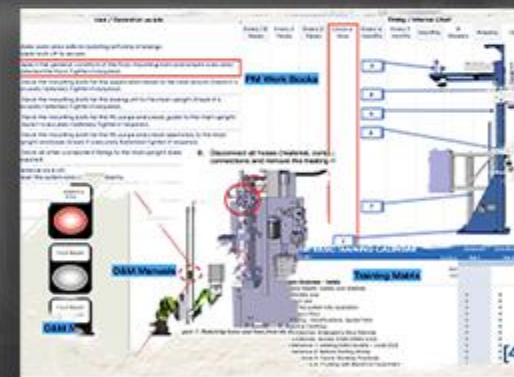
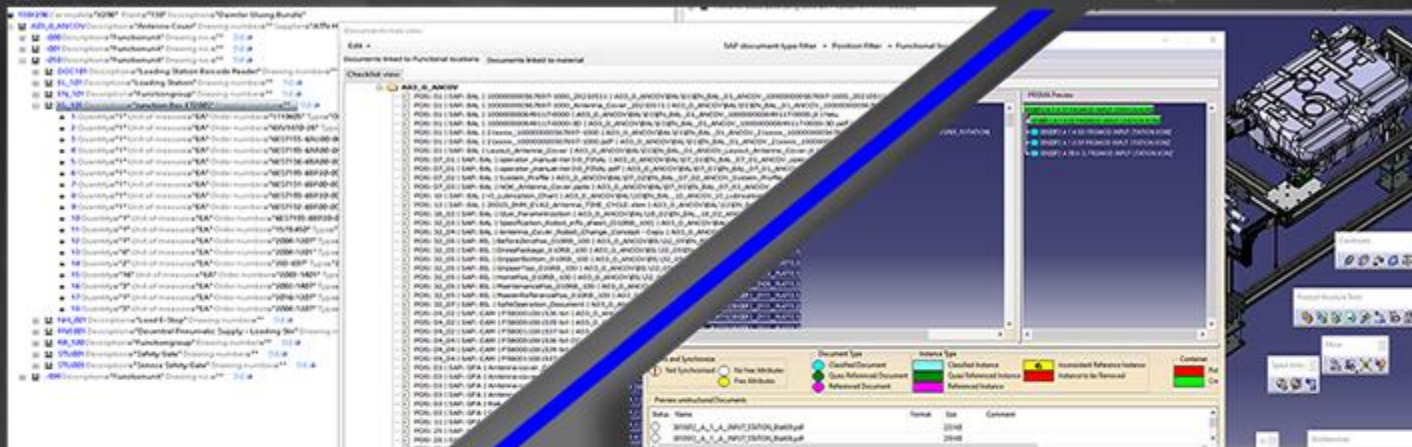
## **CONCEPT DESIGN**

### **CREATIVE**

- SKETCH CONCEPT
- CLAY MODELLING
- AUTODESK ALIAS
- BLENDER



# DOKU & MANAGEMENT OVERVIEW



## MICROSTATION

- LAYOUT DESIGN MANAGEMENT
- DAIMLER INTEGRA STANDARD PLANT LAYOUT MANAGEMENT
- FAPLIS

## FAPLIS

- MICROSTATION PLANT LAYOUT IMPLEMENTATION ACC. FAPLIS
- STANDARDS/ DAIMLER LAYOUT/ DRAWING

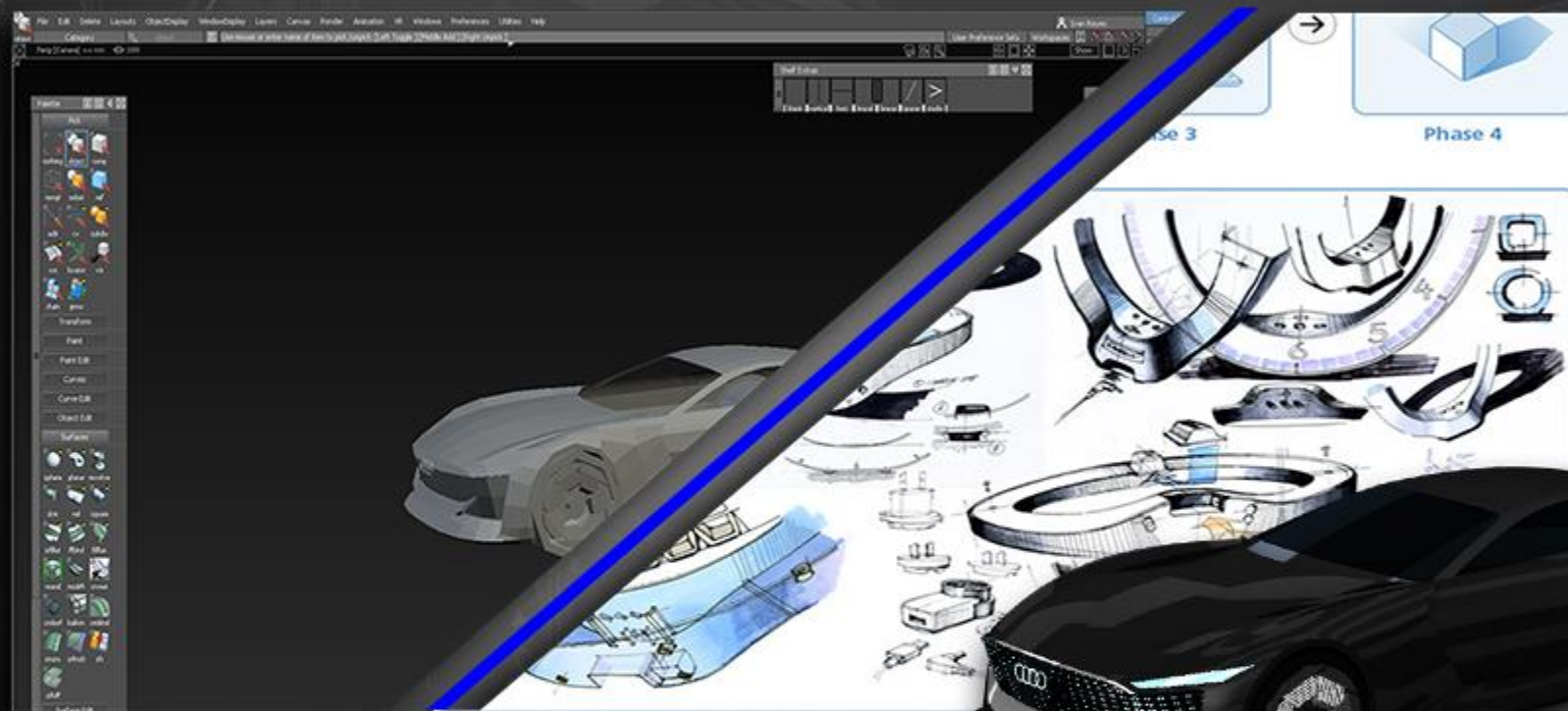
## SLE/ DAIMLER 2015 & 2021

- SLE TECHNICAL DOKU MANAGEMENT
- CELL DESIGN IMPLEMENTATION (NX VS SLE)
- DIGITAL WORKSPACE

## PRISMA CARISMA/ BMW

- PRISMA/ CARISMA BMW TECHNICAL DOKU MANAGEMENT
- CELL DESIGN IMPLEMENTATION (CATIA V5 VS PRISMA)/ PANAMA

# CREATIVE OVERVIEW (CONCEPT DESIGN)



## AUTODESK ALIAS

- SUBD & NURBS SURFACE MODELLING
- CONCEPT DESIGN
- 3D RENDERING
- A CLASS SURFACE

## BLENDER

- POLYGONAL MODELLING
- CONCEPT DESIGN
- 3D RENDERING

## CONCEPT DESIGN

- SKETCH TO 3D CONCEPT DESIGN
- PRODUCT DESIGN

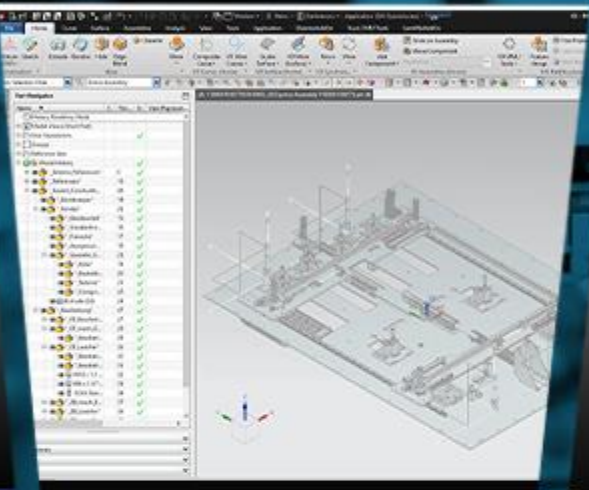
## CLAY MODELLING

- PRODUCT DEVELOPMENT
- REVERSE ENGINEERING
- CONTINUOUS PRODUCT IMPROVEMENT ANALYSIS

# DEVELOPMENT WORKFLOW

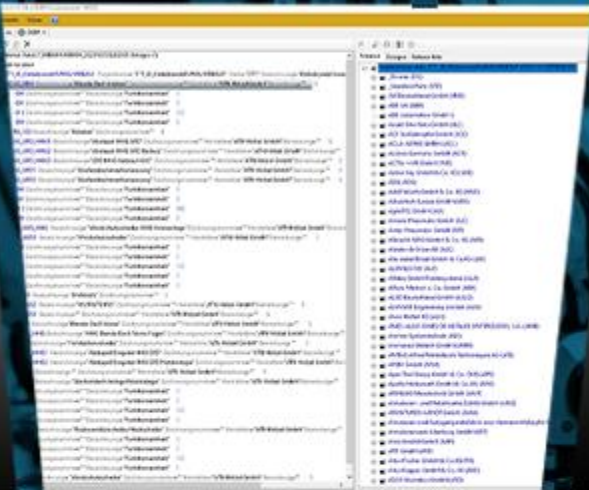
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CONCEPT



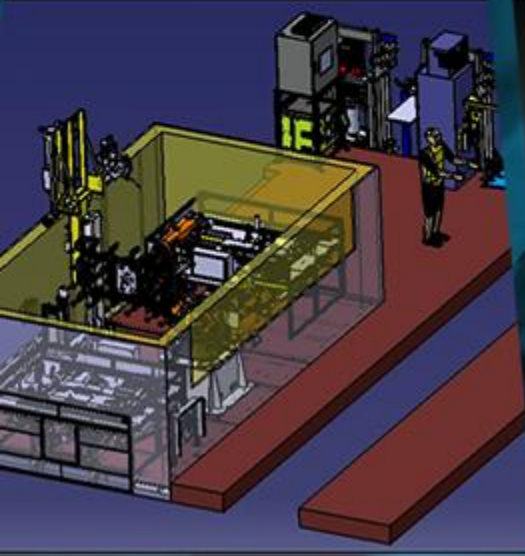
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MANAGEMENT



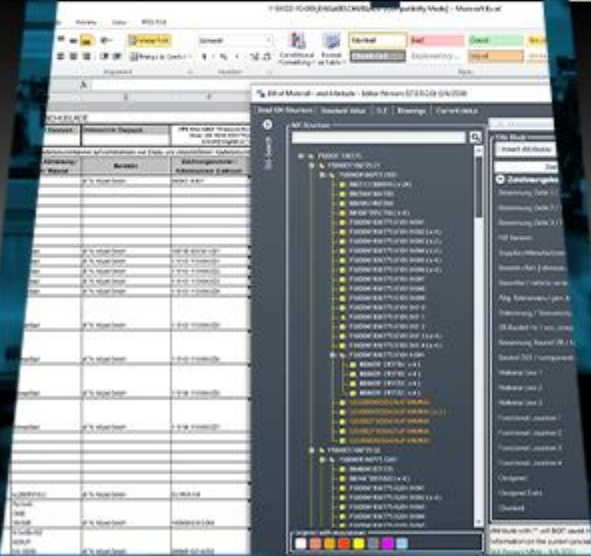
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DELIVERY



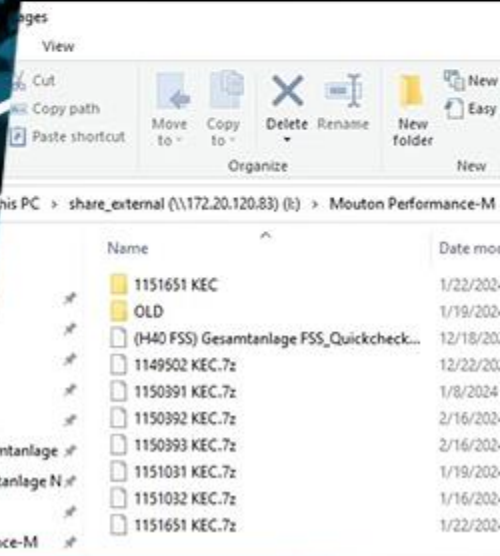
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DESIGN

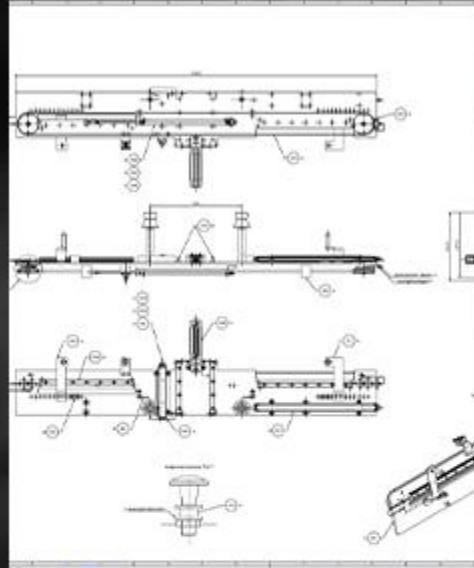


# 4

DOCUMENT



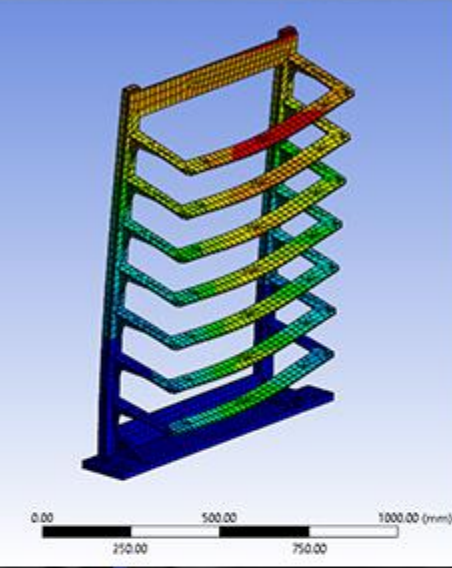
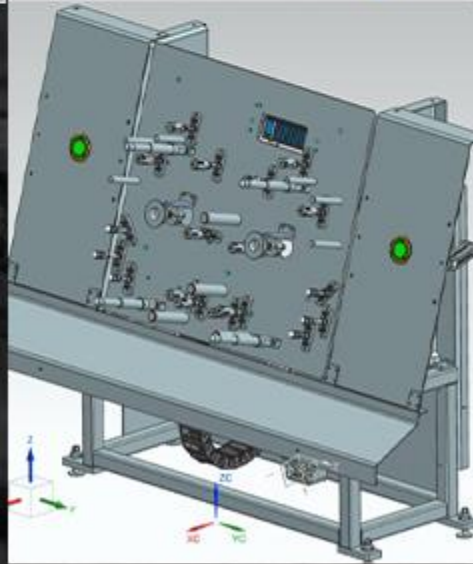
# MECHANICAL DESIGN WORKFLOW



**1**  
MODELING &  
DRAFTING

**MACHINE  
DESIGN &  
DEVELOPMENT**

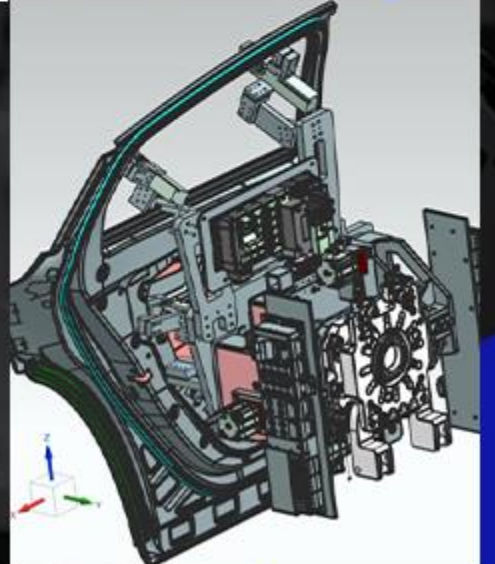
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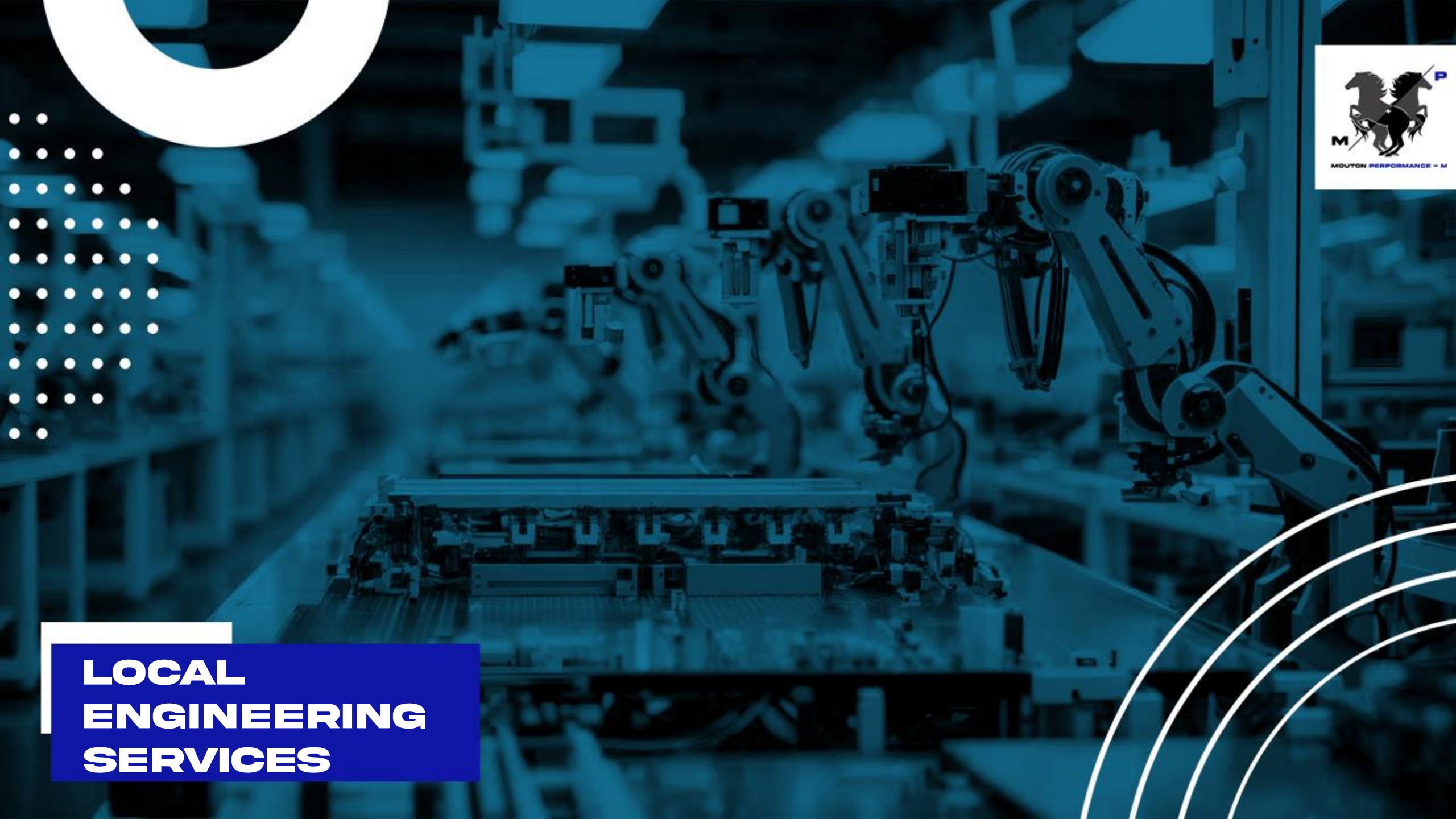


**3**  
SIMULATION &  
DESIGN  
OPTIMIZATION

**DESIGN  
REVISION**

**4**





**LOCAL  
ENGINEERING  
SERVICES**

# LOCAL ENGINEERING SERVICES (MEXICO)

## RAPID PROTOTYPING

- Layered 3D Printing (PLA variants, PETG)
- STL Processing
- Quick modeling with Autodesk Fusion.
- Part post-processing (Paint, threads, assembly, etc).
- Resin & Synthered printing (Coming soon).
- 3D Scanning (Coming soon).

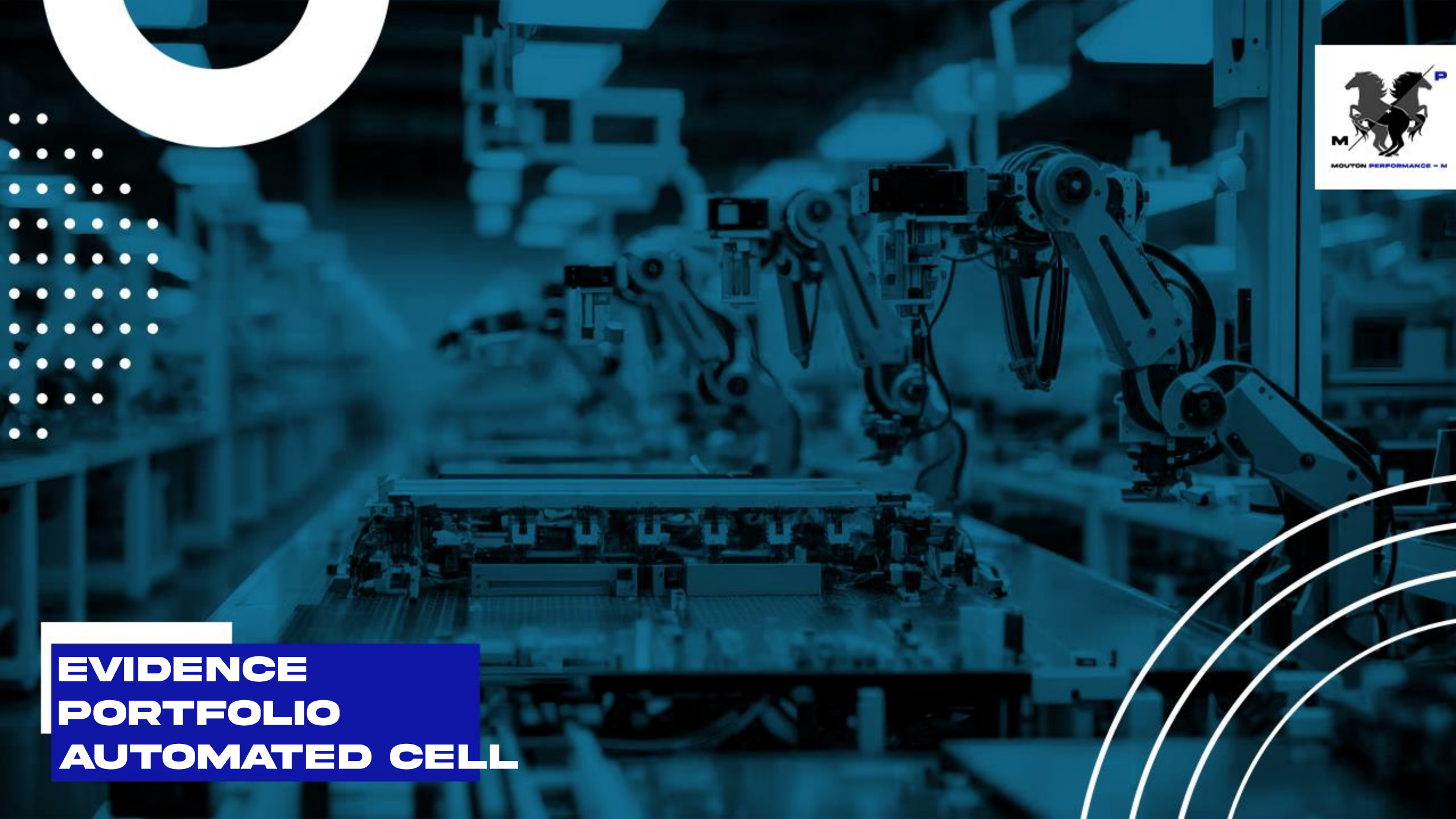
## MECHANICAL DESIGN

- Fixtures
- Pallets for PVA application (PCB)
- Safety guards
- Tooling & Retooling
- Aluminum profile & Steel structures
- Workstation design
- Assembly equipment.
- Probe & inspection devices
- Systems integration (Pneumatic & electromechanic)

## TECHNICAL SUPPORT

- Consulting
- Technical data conversion
- Documentation & BOM Management.
- Diagrams & Operation manuals
- Updates
- Training
- Especialized automation equipment import.

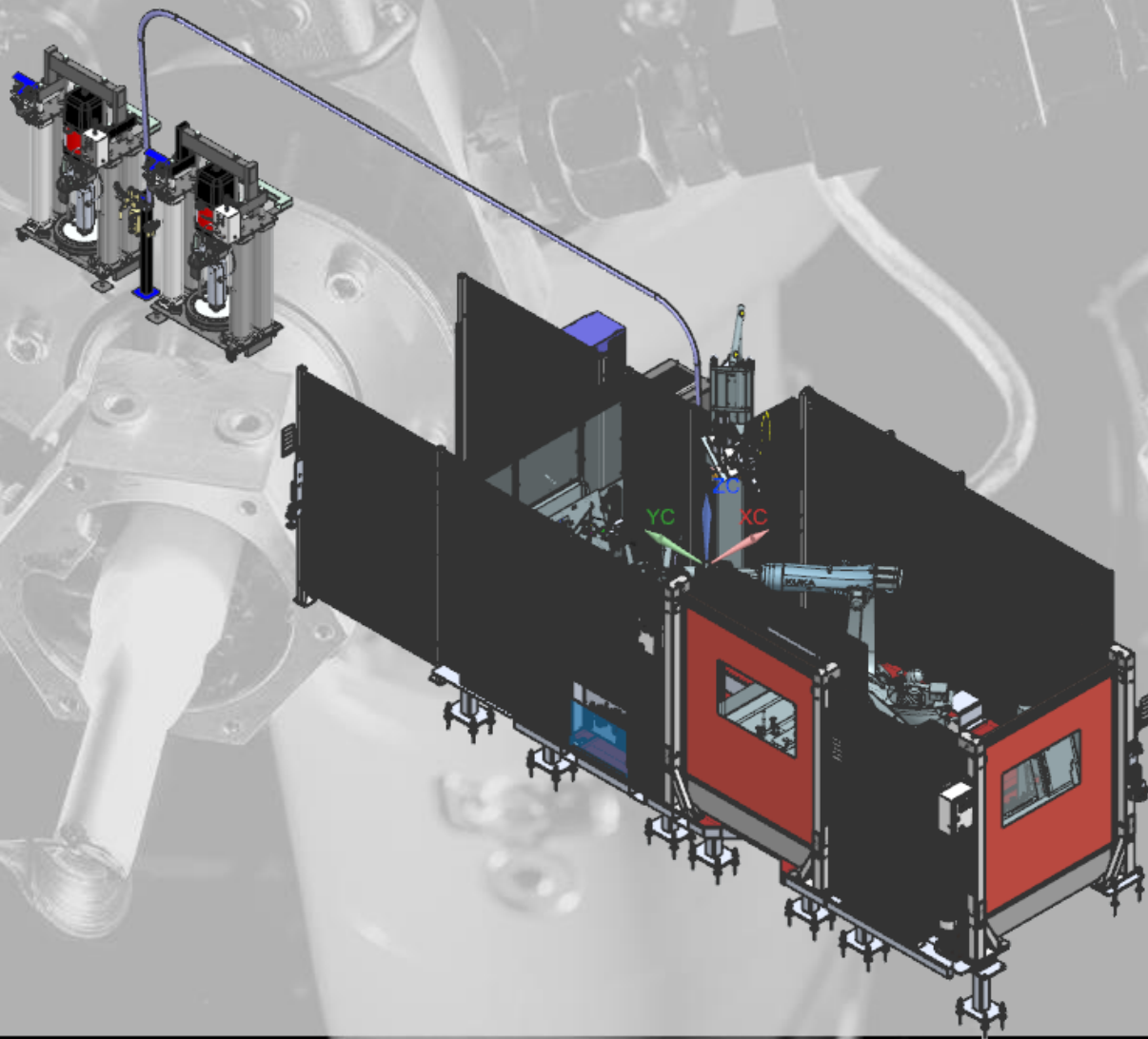




**EVIDENCE  
PORTFOLIO  
AUTOMATED CELL**



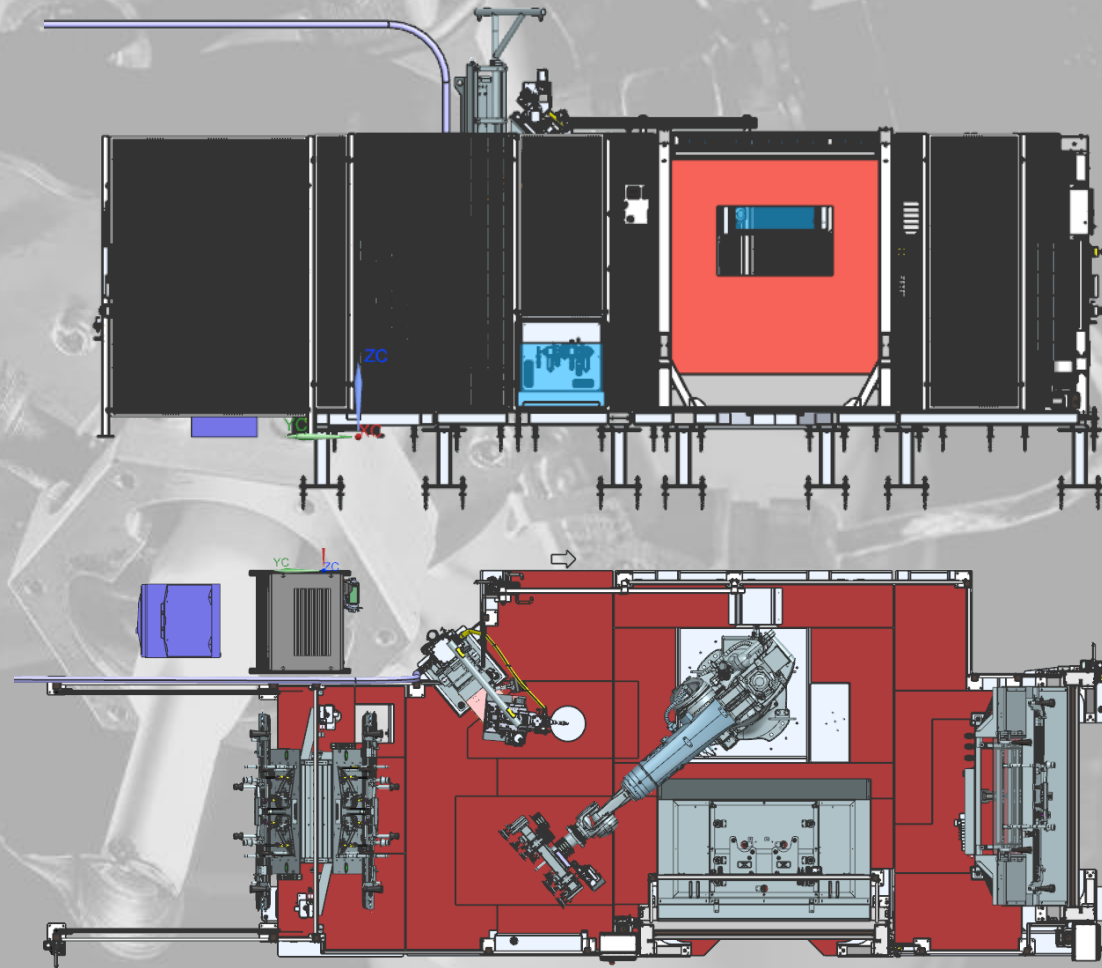
# DAIMLER (H240 NST) GLAZING CELL



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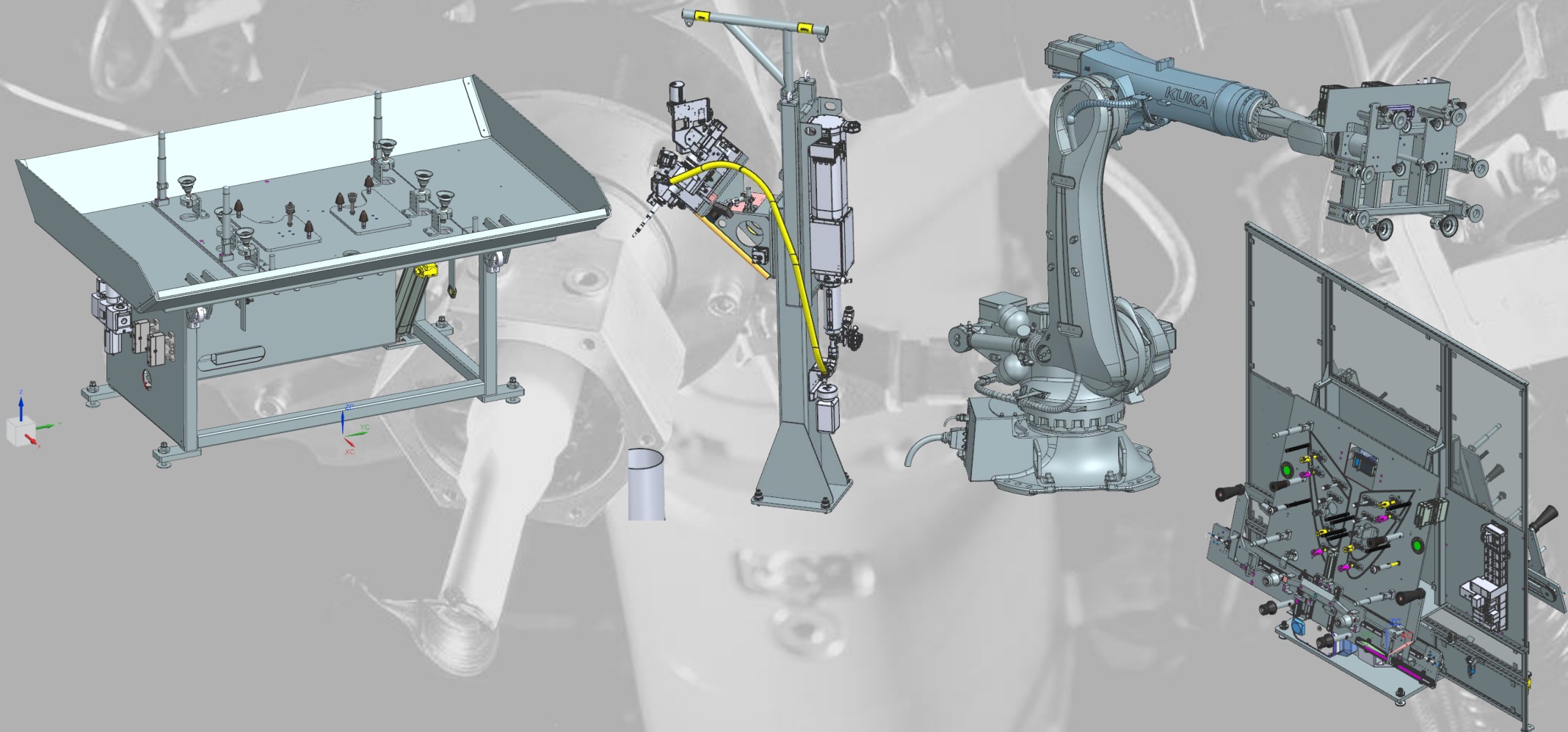


# DAIMLER (H240 NST) GLAZING CELL

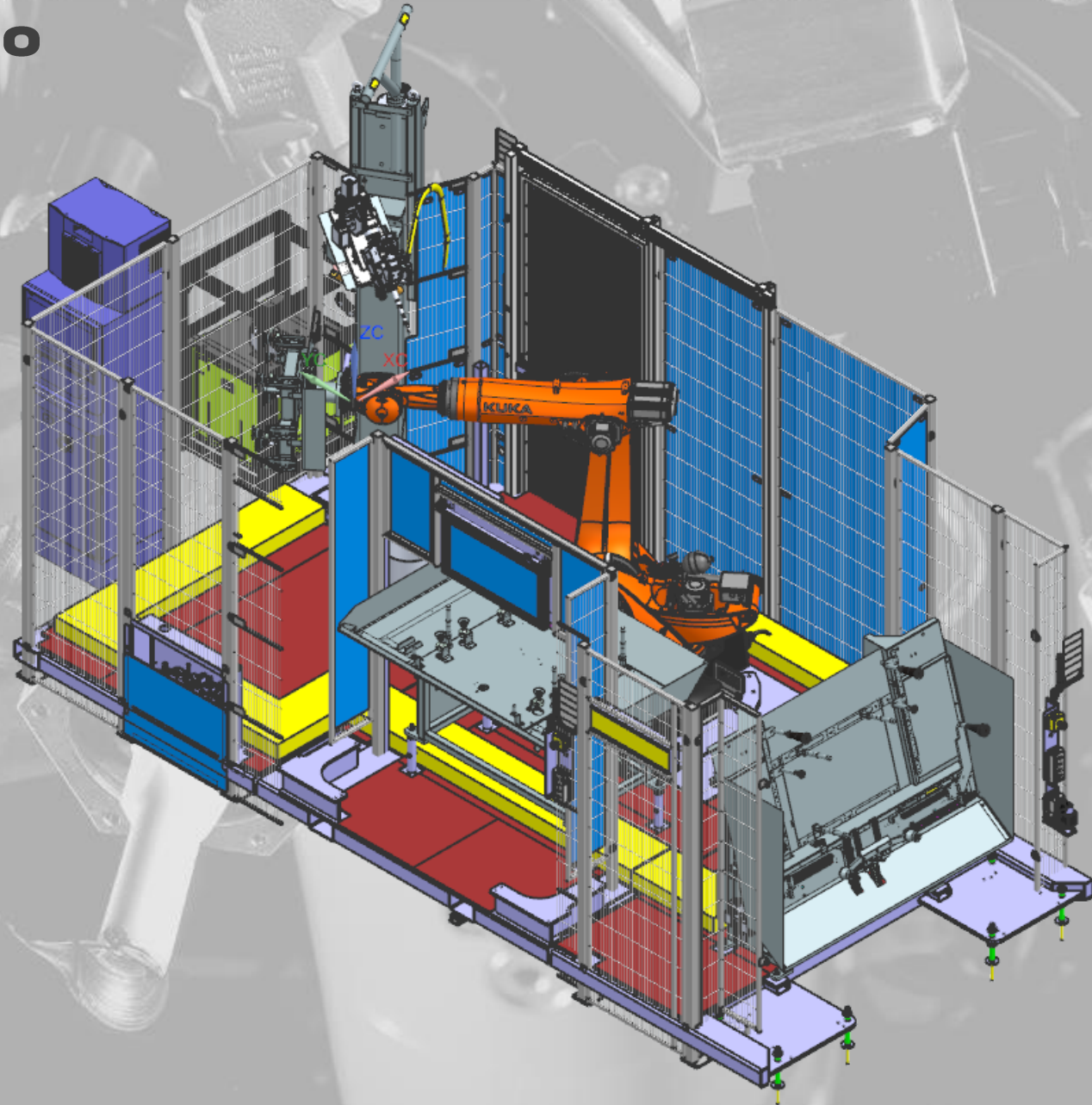


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# DAIMLER (H240 NST) GLAZING CELL DETAILED

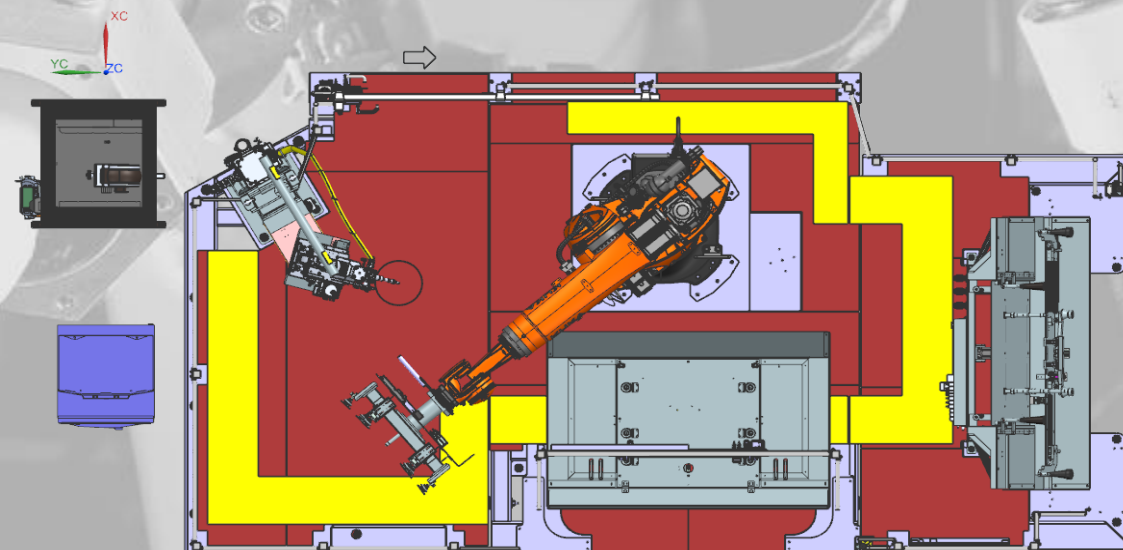
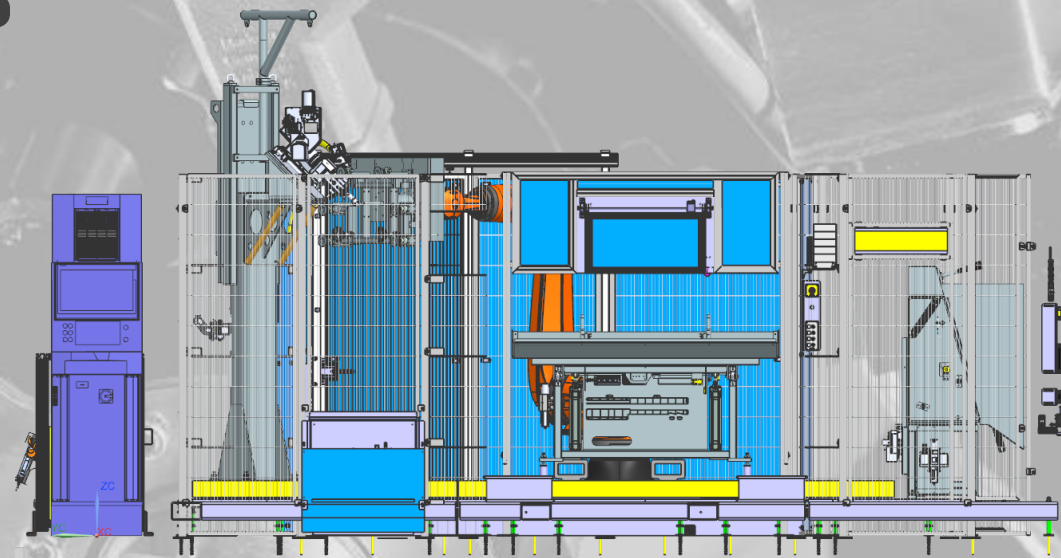


**DAIMLER (H40  
SHK WSS)  
GLAZING  
WINDSHIELD  
CELL WSS**



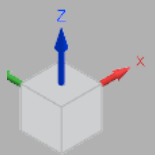
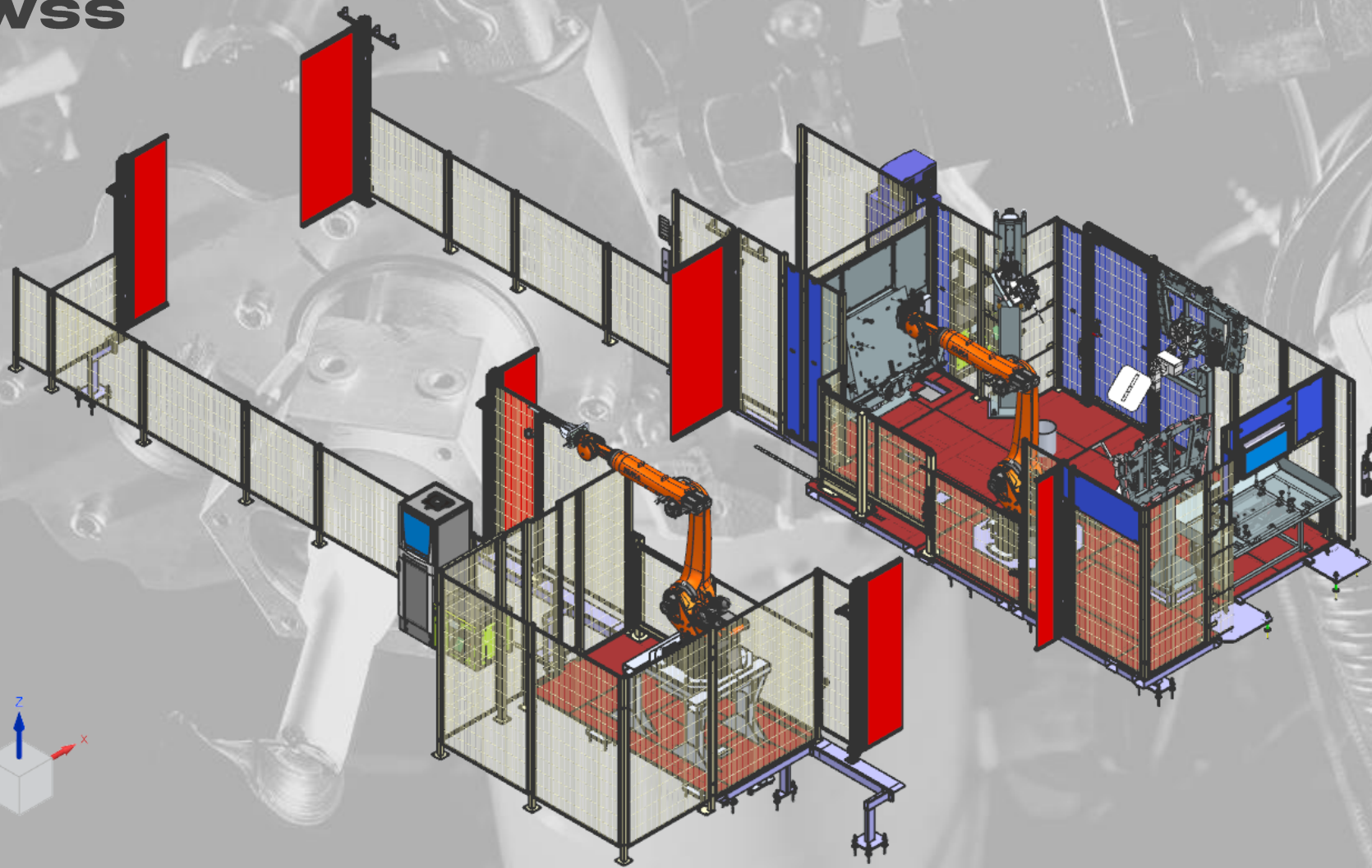
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# DAIMLER (H40 SHK WSS) GLAZING WINDSHIELD CELL WSS

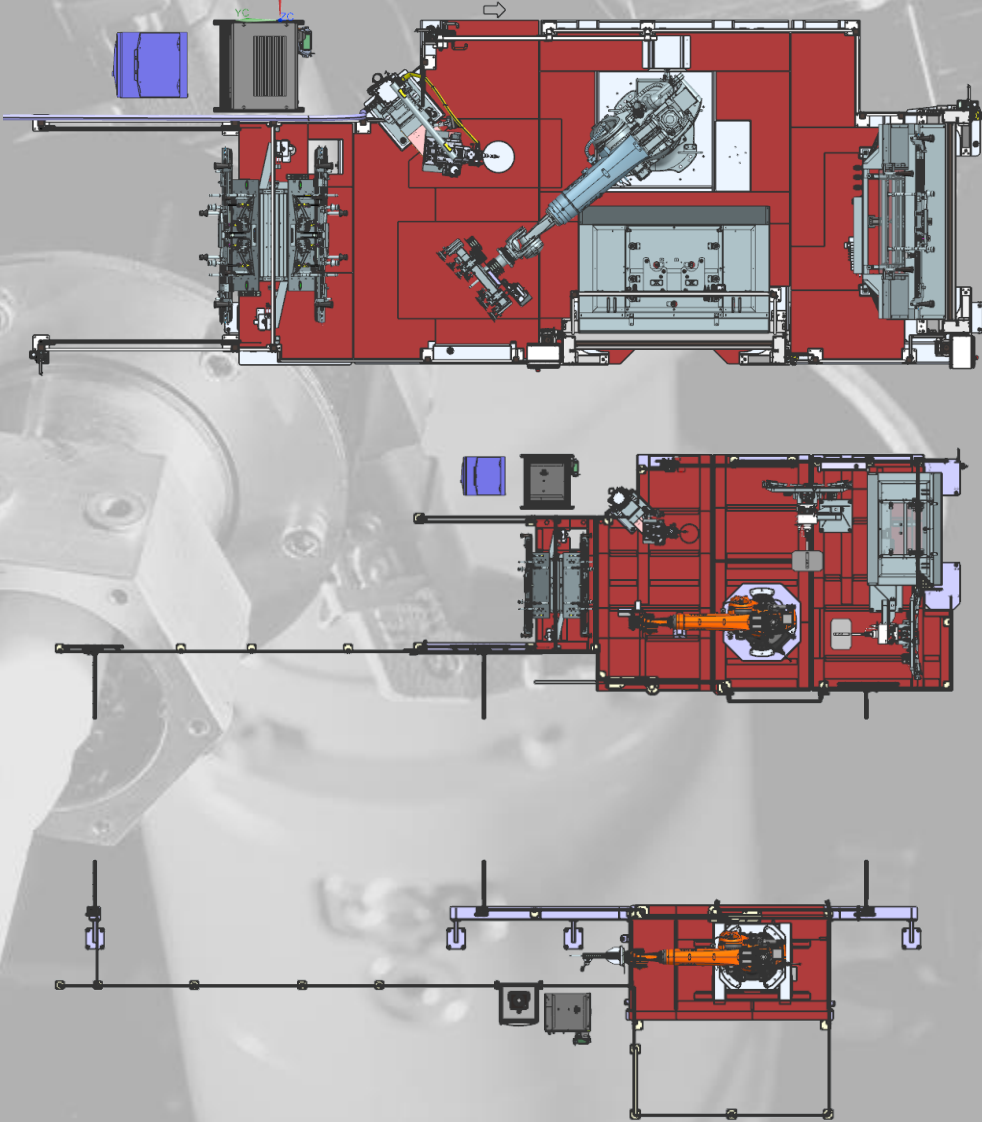


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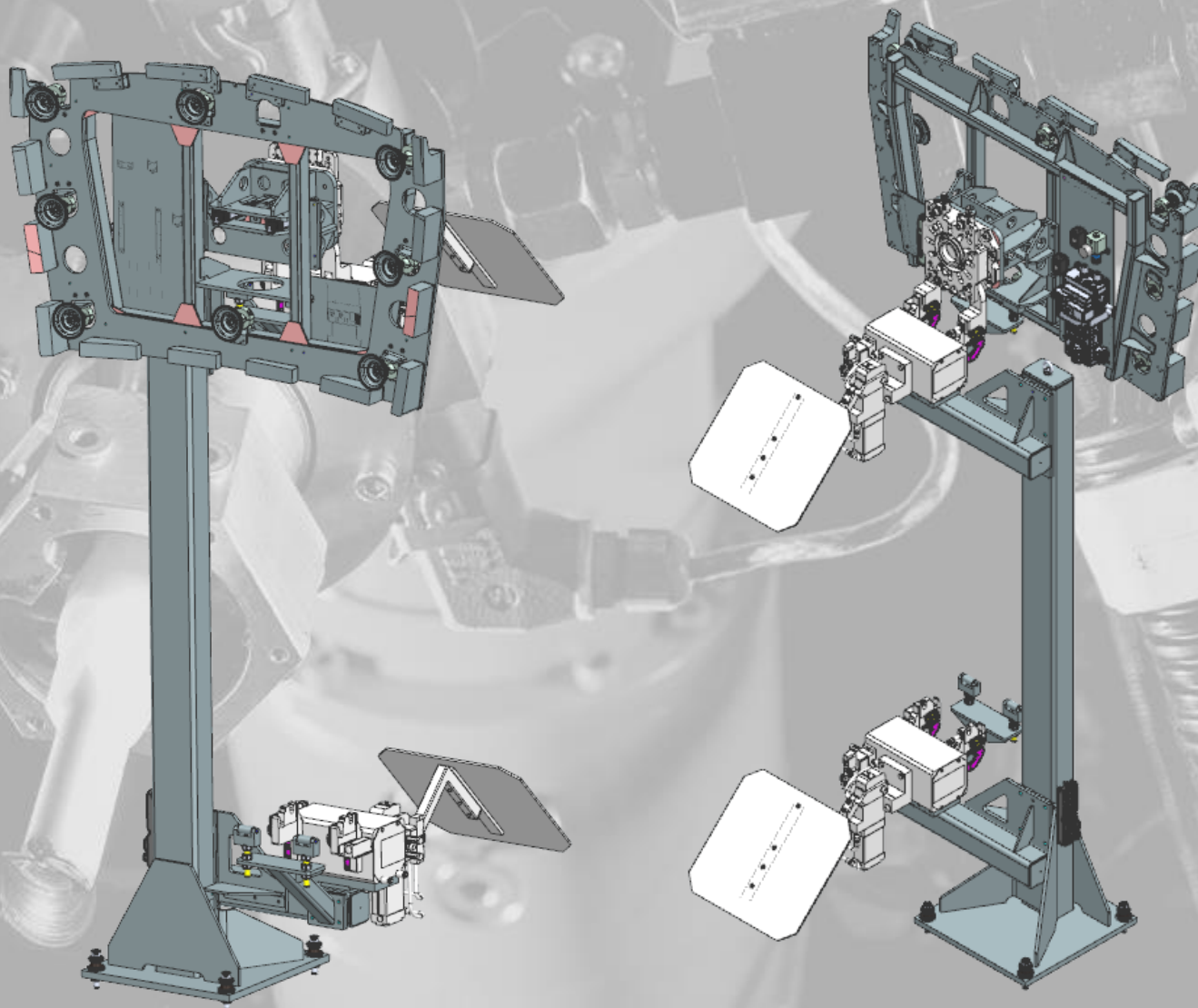
# (H240 SHK WSS) GLAZING WINDSHIELD CELL WSS



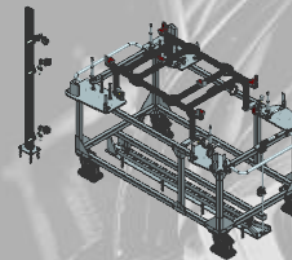
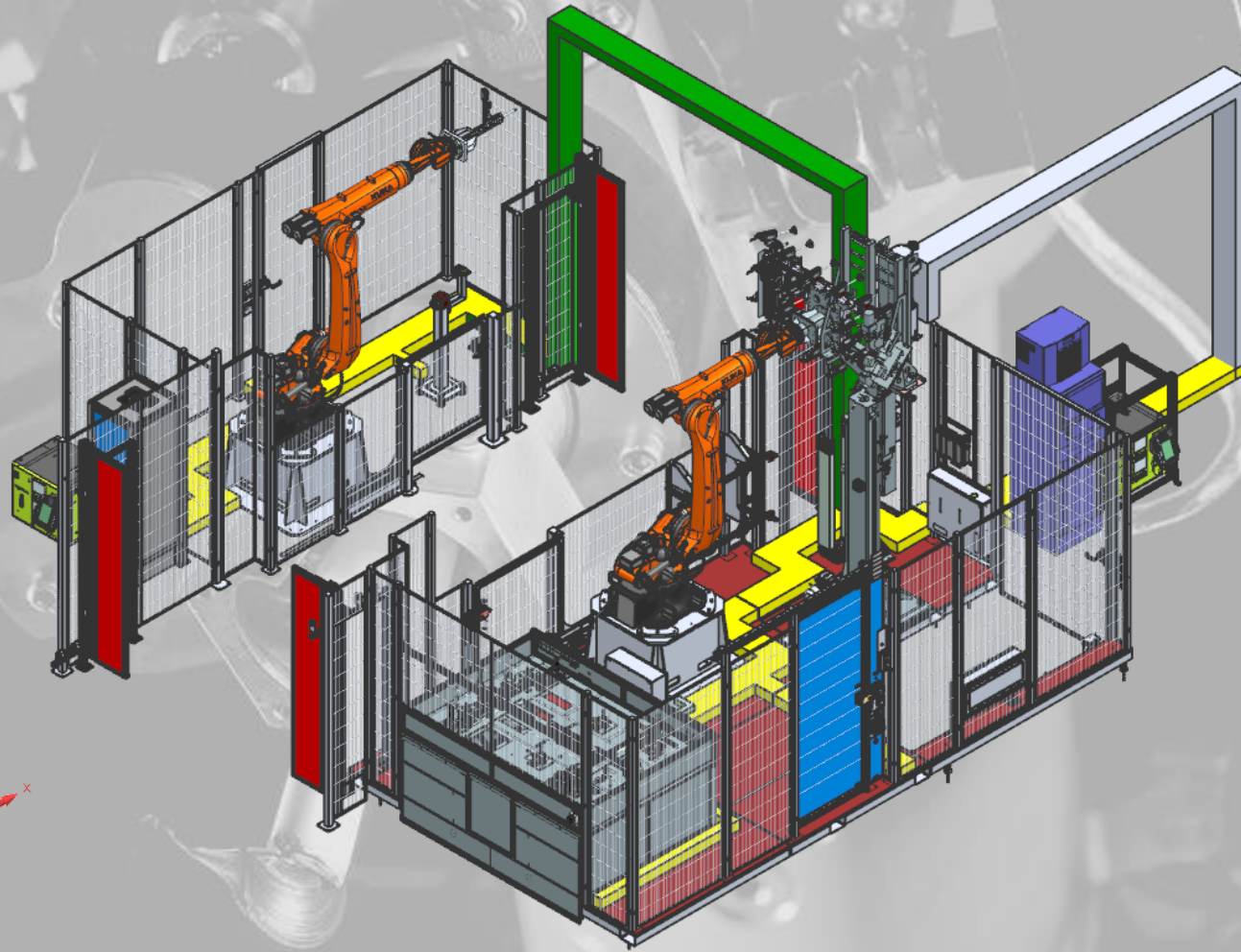
**(H240 SHK  
WSS) GLAZING  
WSS**



**(H240 SHK WSS)  
GLAZING WSS  
DEVICES  
DETAILED**



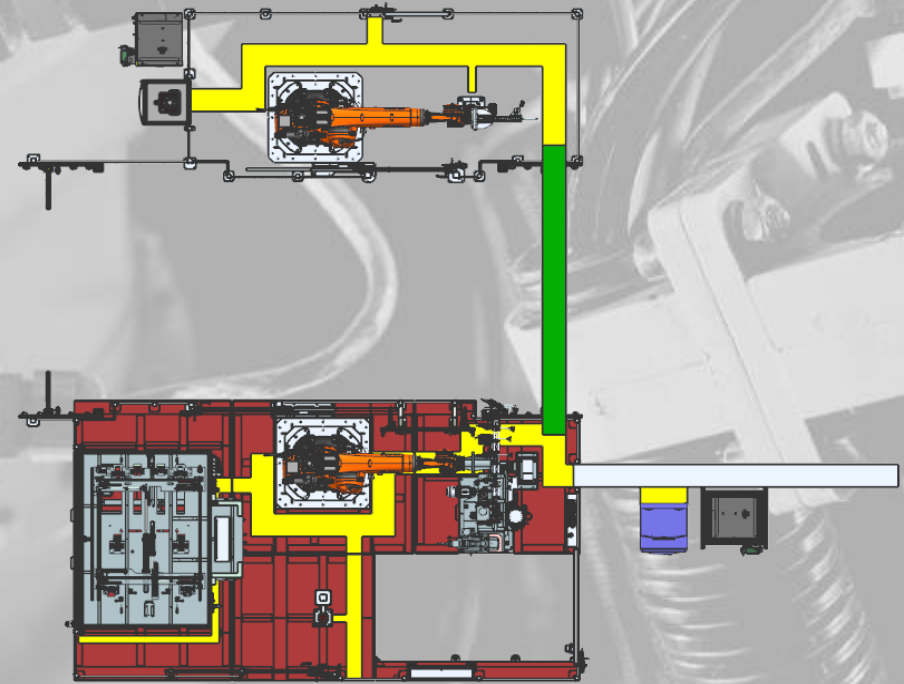
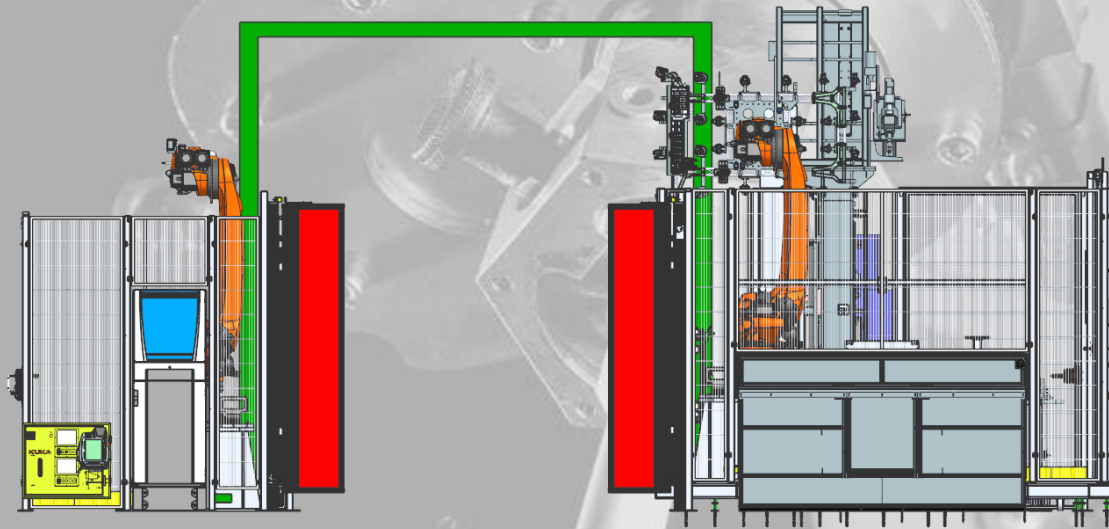
# H240 PAE GFD GLAZING CELL GFD



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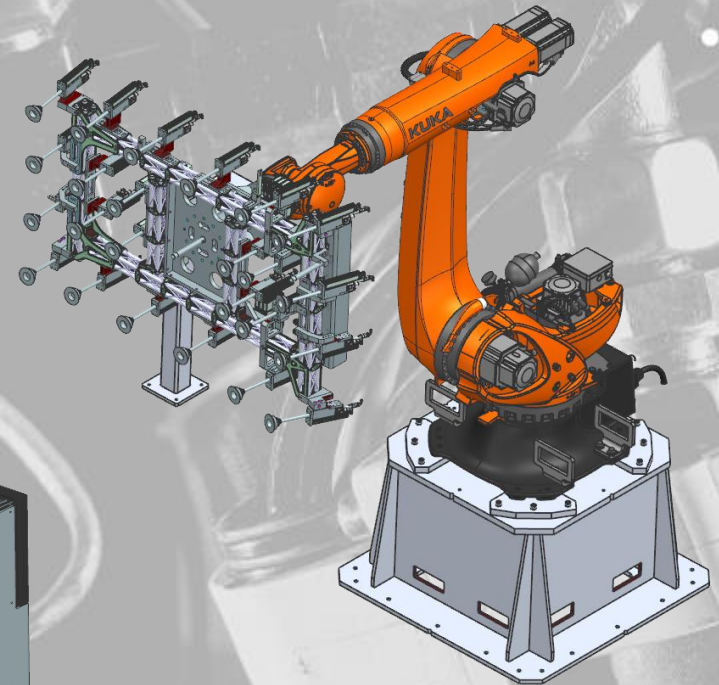
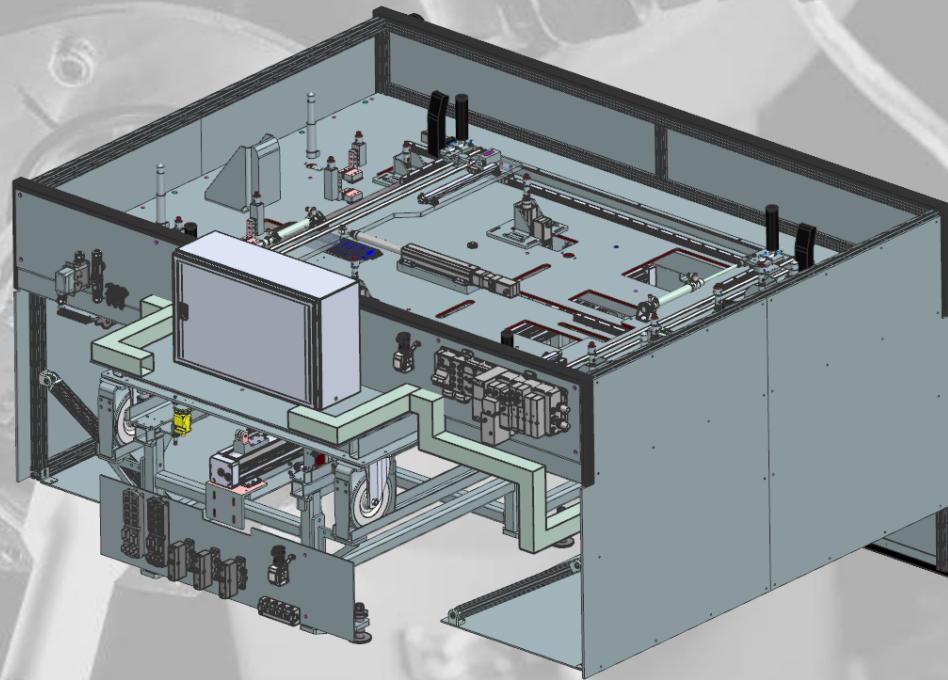
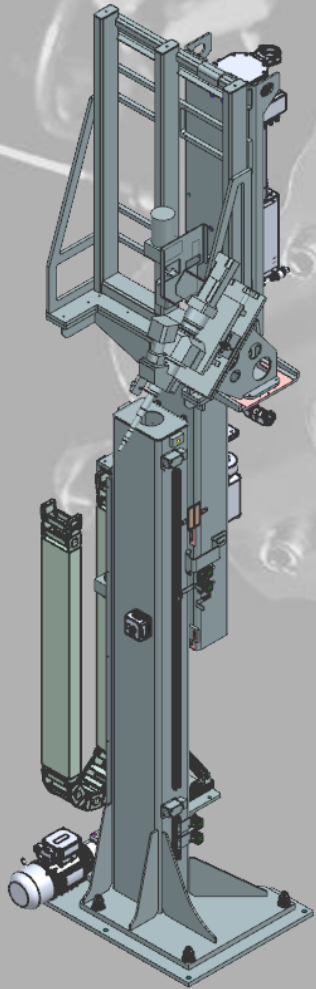


# H240 PAE GFD GLAZING CELL GFD

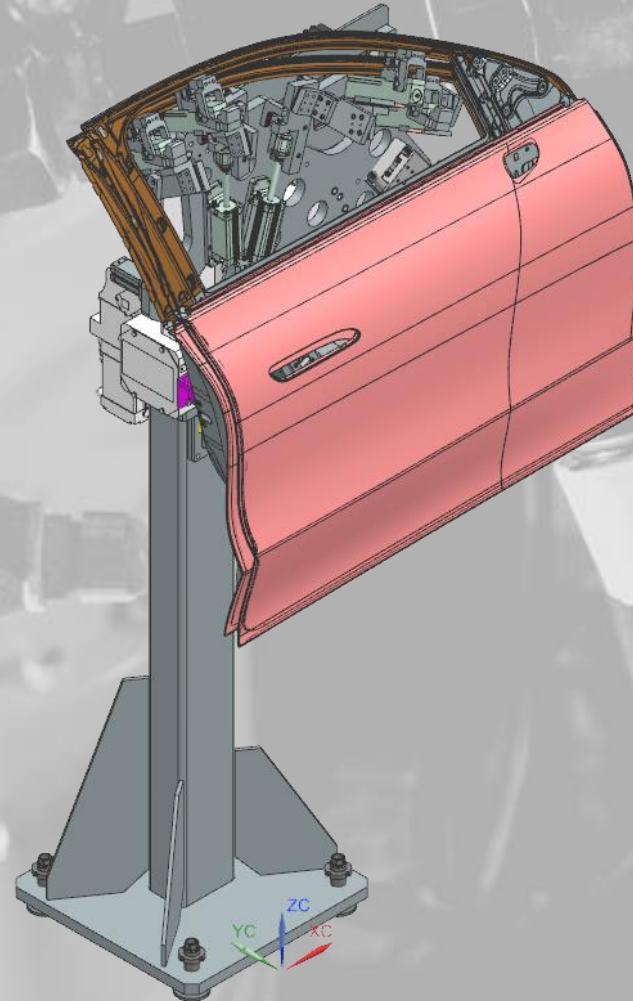
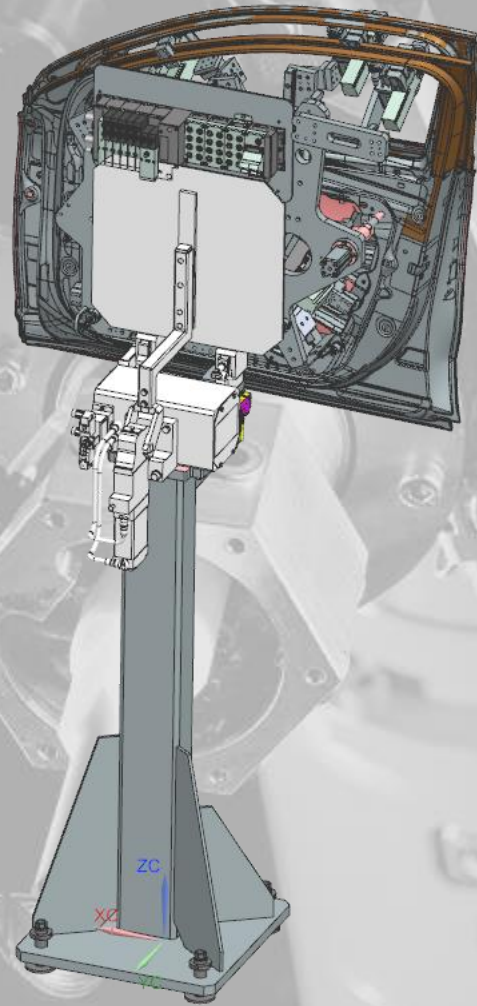


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# H240 PAE GFD GLAZING CELL GFD DEVICES

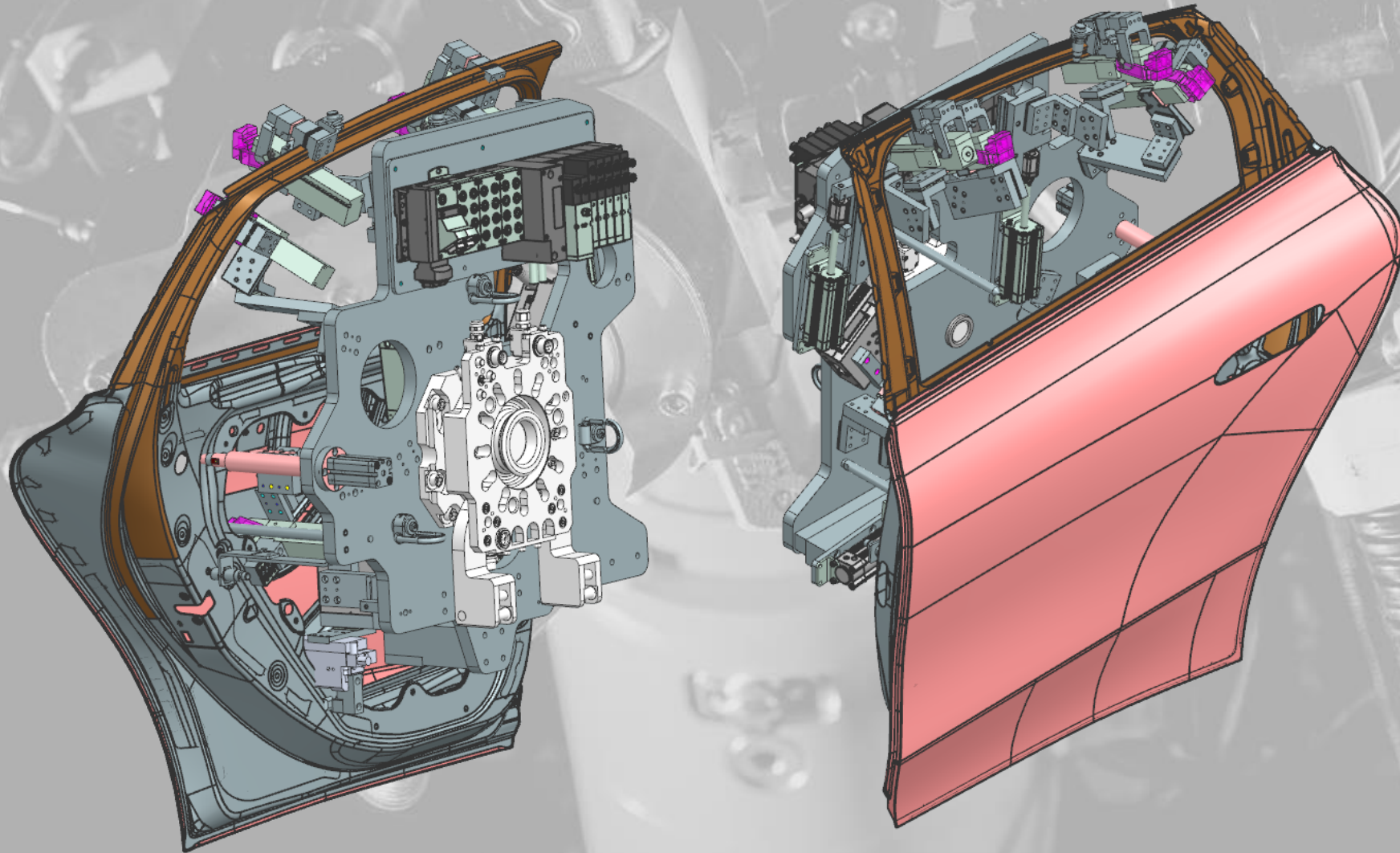


# FRONT DOOR GRIPPER PDK



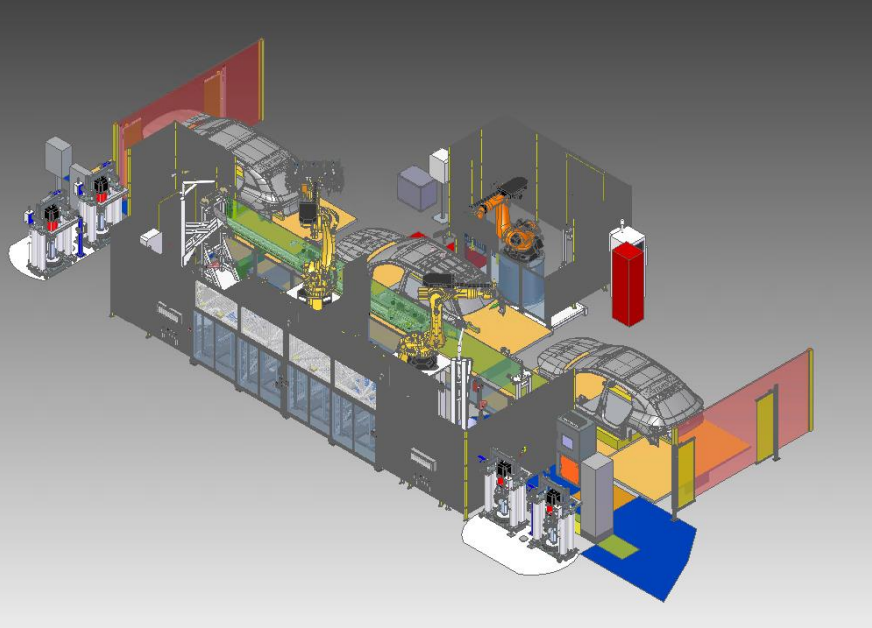
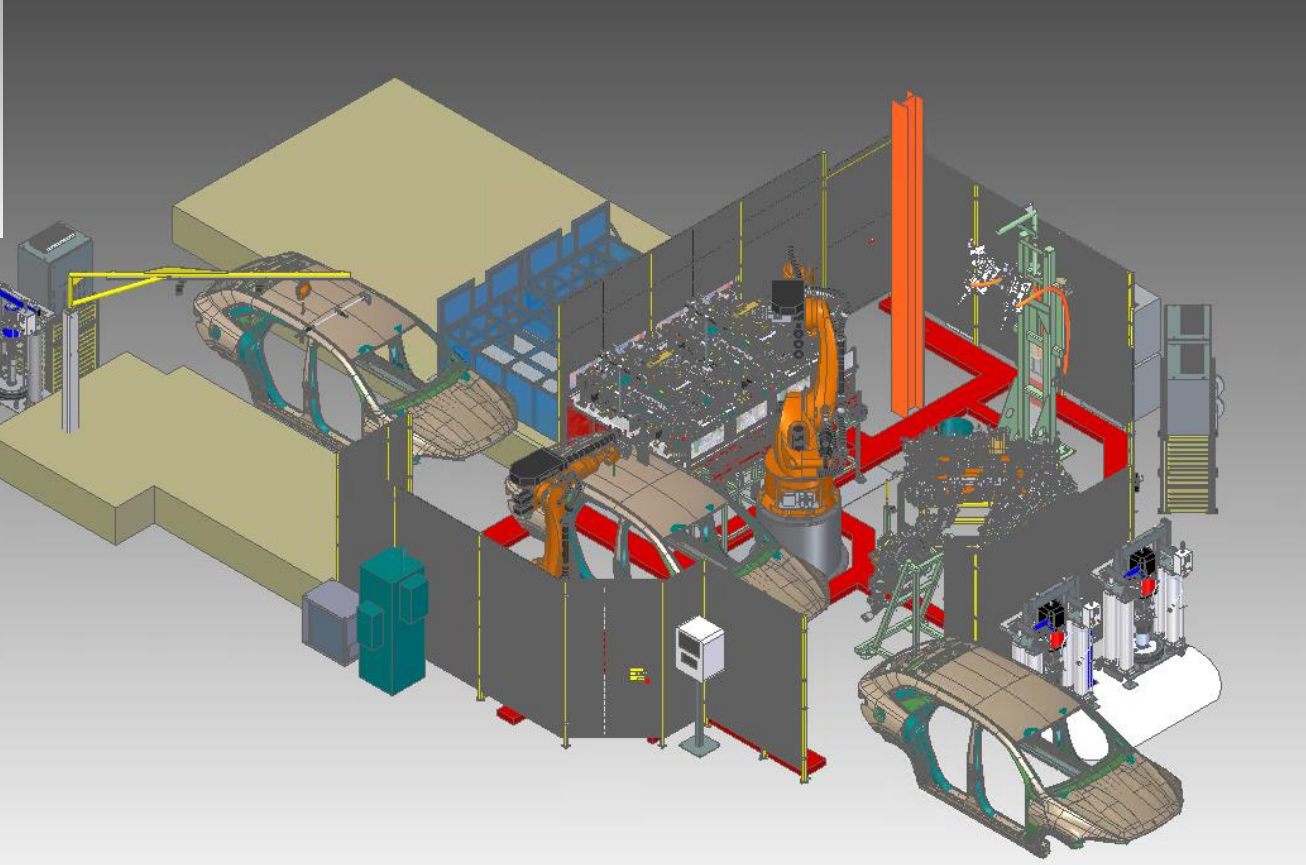
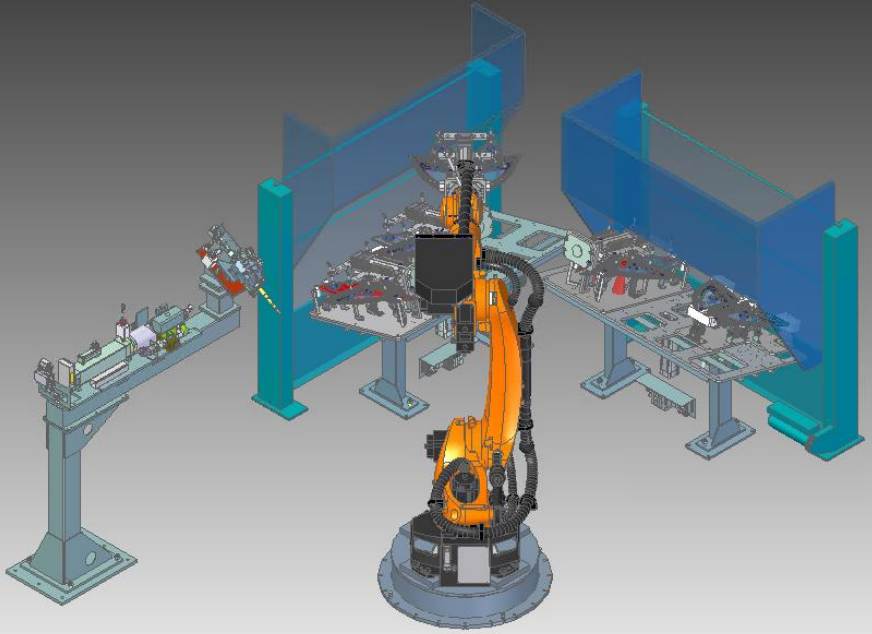
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# REAR DOOR GRIPPER PDK





**DAIMLER BHM EVA2  
GLAZING CELLS  
(ROOF + QRT GLASS  
+ WINDSHIELD)**





## PAST PROJECTS

- **Mercedes Benz Rastatt, Düsseldorf and Bremen PDK, TDG Glazing Gripper cell devices** (7 orders delivered).
- 4x Glazing cells for **Mercedes Benz Tuscaloosa**.
- Prisma documentation and re-design for **BMW Spartanburg** (fuel tank installation).

## ONGOING PROJECTS

- Full mechanical design service support since 2020 at ATN Hoelzel LP, working on a variety of clients needs, such as **Toyota, BMW, Daimler, Nissan, Tesla, Zoox, GE**, etc for different BIW and installation requests.
- 12x Semi-full Glazing cells for **Mercedes Benz Kecskemet, Hungary** (Design & Documentation).
- Technical Documentation Integration for KEC MB371 Kecskemet/ Single Lifting Device
- MEtech KEC W371 Hungary Gripper + Crane + Balancer ECAD-MCAD Documentation for **Mercedes Benz Kecskemet**.

## UPCOMING PROJECTS

- Reverse engineering, design, implementation and documentation of two (Gripper + Joint-Gluing Unit) for **Mercedes Benz Bremen**.
- **Mercedes Benz Spain, Vitoria** Glazing Cell Integrations. (information not available yet).
- **Mercedes Benz Düsseldorf** Glazing Cell Integrations. (information not available yet)
- Automatic assembly cells for Leviton Mexico (information not available yet).

## PROJECT REFERENCES (MAJOR PROJECTS)

# OUR CUSTOMERS REFERENCE

**ATN** Leidenschaft für Technik



ATN HÖLZEL GmbH  
BRUNNENSTRASSE 3, 02736 OPPACH,  
GERMANY

**M** METECH



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# THANK YOU FOR DOING BUSINESS!

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