

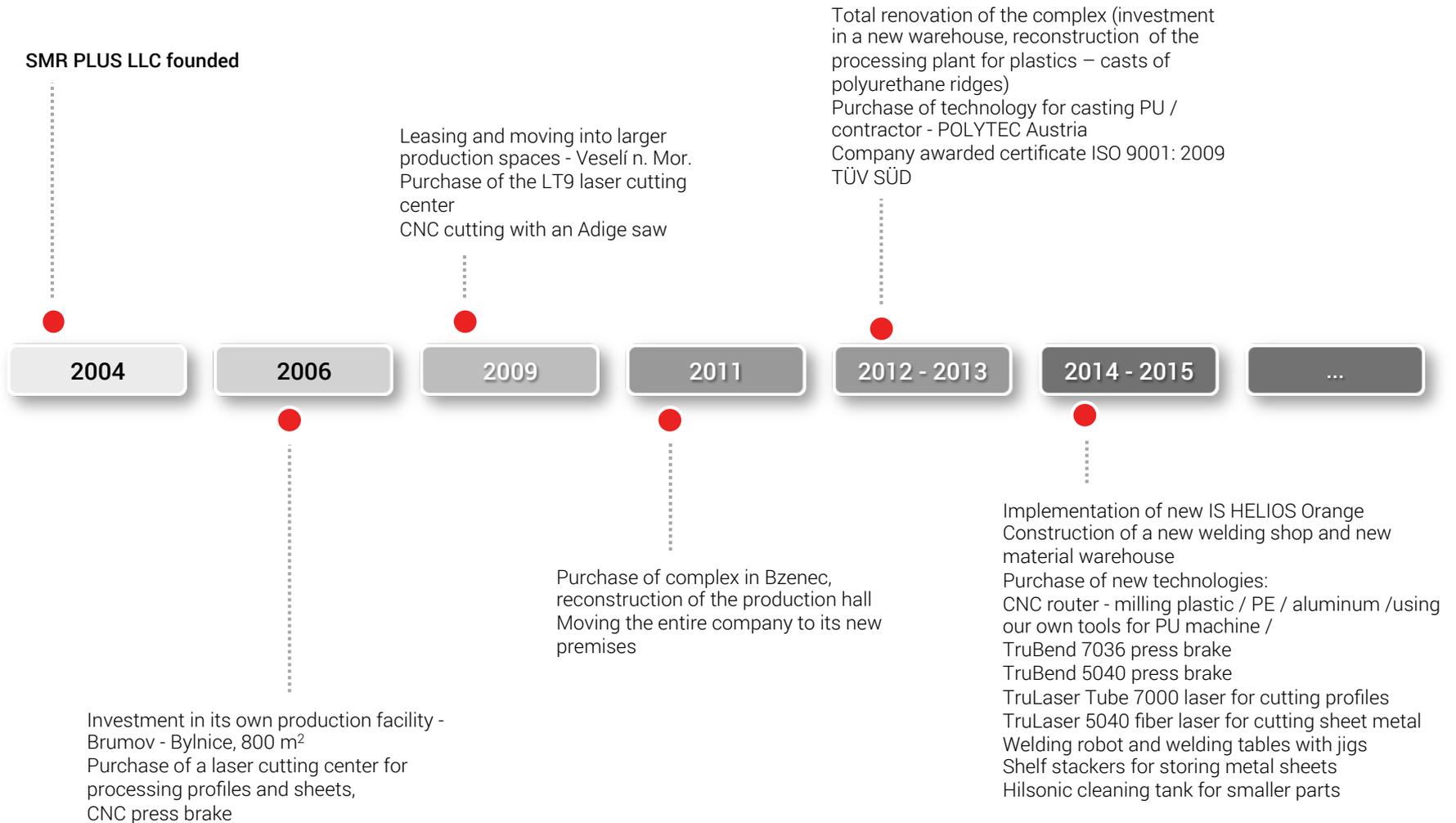


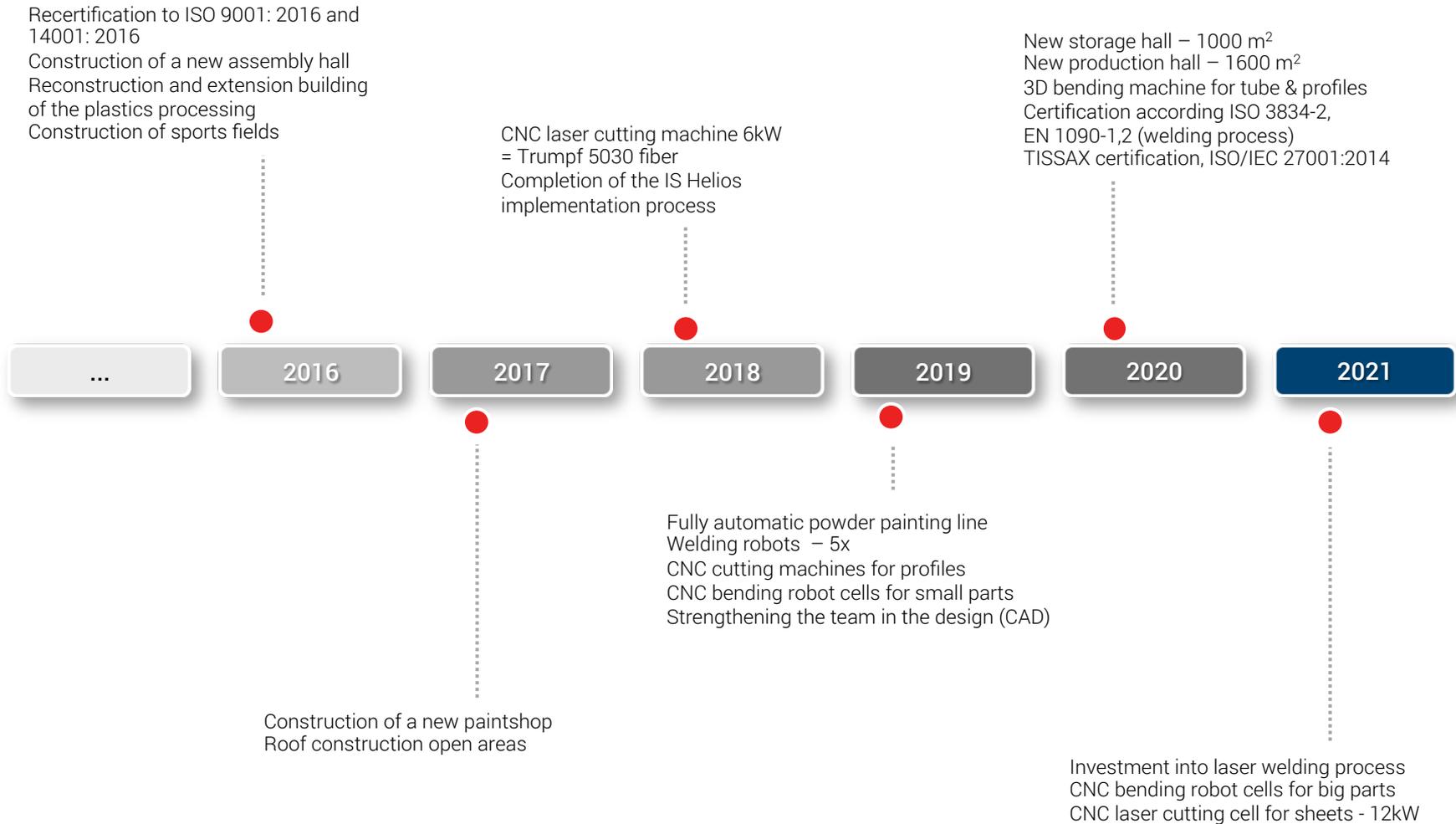
Helping you transport your ideas

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PRODUCTION OF METAL PALLETS OF VARIOUS MODIFICATIONS FOR THE AUTOMOTIVE INDUSTRY, GAS AND CHEMICAL INDUSTRY.

DEVELOPMENT

- Innovative solutions developed with regard to the long lifetime of the packaging
- Respecting the needs and standards of the customer (concern VW, Nissan, TPCA, Hyundai and others)
- Proposals with regard to the possibility of making and affordability
- Development with regard to ergonomics



TESTING

- Static and dynamic testing of pallets
- Visual checking of the welds (method VT/2/dw)
- Doing a non-destructive testing by method MT (magnetic particle, MT/2/MS)
- Support in other testing - ISO 13194:2011



REALIZATION

- Stable and flexible production processes
- Continuous improvement in the efficiency of internal processes and technologies with an emphasis on cutting the production costs and passing on to the customer.
- maximal serviceability of the input
- expansion of the offer in production possibilities



SERVICE

- Respect for the customer's individuality
- post-warranty service
- Processing the data beyond the drawing documentation (statistical tests, maintenance instructions, instruction manual for manipulation with the packaging, the list of spare parts)
- service „somebody else's“ pallets



CONSTRUCTION

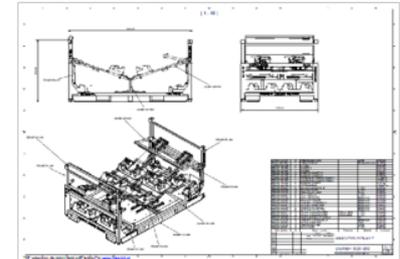
- Years of experiences in the field
- 8 x qualified CAD Designers
- Presentation of the first draft within 5 working days

**SOFTWARE**

- Software – Autodesk Inventor Professional 2019
- ANSYS DESIGN SPACE (AI) – tool to calculate the static and dynamic attributes
- Processed formats – STP, IGS, CATPART
- Data transmission – FTP or the customer portal
- Catia V5

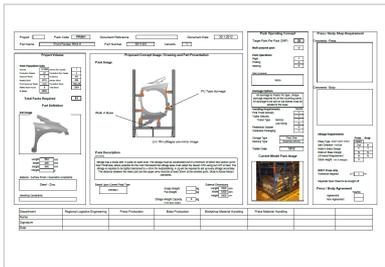
**OUTCOME**

- 3D model
- Drawings in PDF including the bill of material
- Static and dynamic calculation - Available On request
- Export to Catia



PHASE 1

Input specifications + project plan



This is the phase where we receive the customer's basic requirements for developing the container:

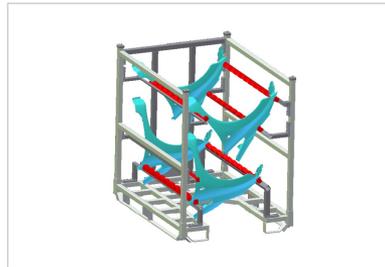
1. Basic dimensions of the container
2. What standard to use to produce the basic design of the container /VW-MERCEDES standard, etc./
3. Planned method of handling parts during the logistics cycle.
4. Preparation of the project plan for the container /from the development phase to shipping the containers/

Realization within 1 week



PHASE 2

3D study



The development department uses the input specifications to prepare a design of the container, which is then sent to the customer for approval /in 3D PDF format-DWFX/:

1. Design of the container
2. Placing and securing the part in the container

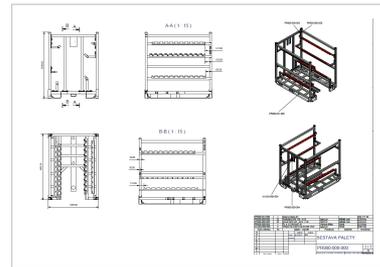
All additional requirements are incorporated into the model based on the customer's 3D validation. Production of the prototype then follows.

Realization within 1 week



PHASE 3

Preparing drawings + prototype production



In the third phase, the design department prepares the material for producing the actual prototype:

1. Preparing complete drawing documentation
2. Preparing a model of the pallet for producing parts on the CNC machines /laser/

Realization 1-2 weeks



PHASE 4

Presentation of the prototype

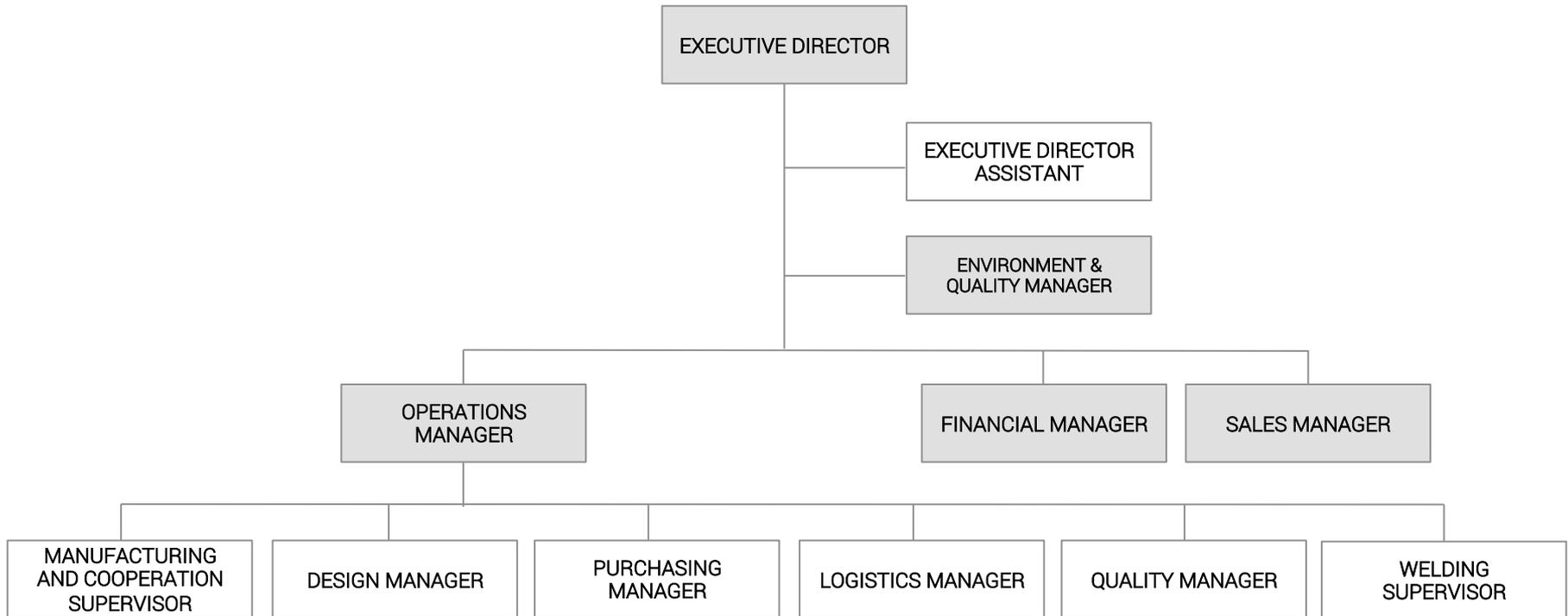


The presentation of the "buy-off" prototype with physical parts occurs in this phase. The presentation is done either at SMR PLUS or the customer's plant. Afterwards the customer carries out additional internal tests /transport, economic/.

The prototype is modified as needed based on additional customer requirements. In this case, phases 2 – 4 are repeated.

Realization 1-2 weeks





EXPERIENCE IN OUR COMPANY

(as of 1. January 2020)

Executive/Managing Director

- 21 years in the industry

Operations Director - Production & Planning

- 21 years in the industry

TPV manager (technical production preparation)

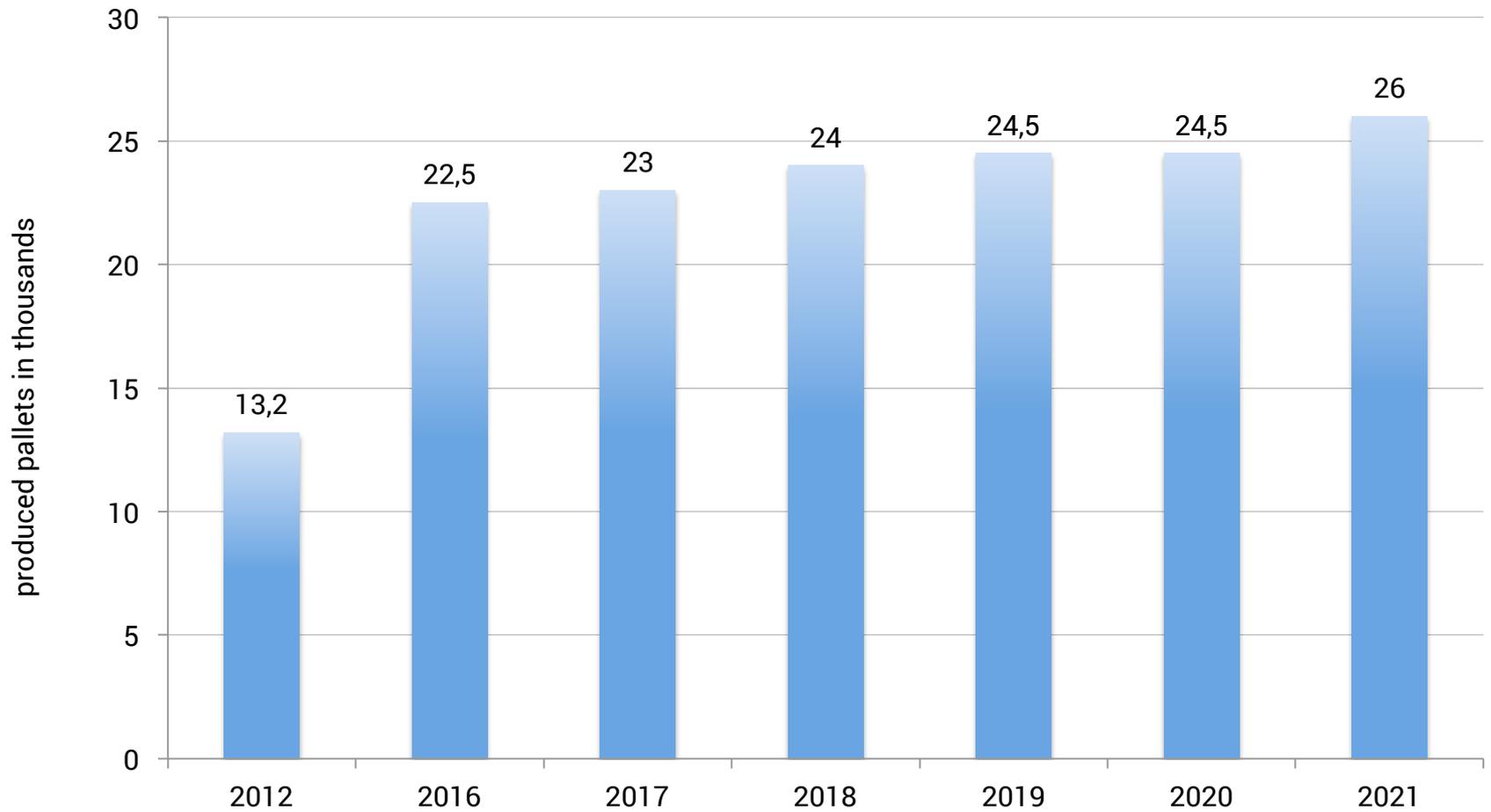
- 18 years in the design department
- 16 years specializing in metal shipping containers

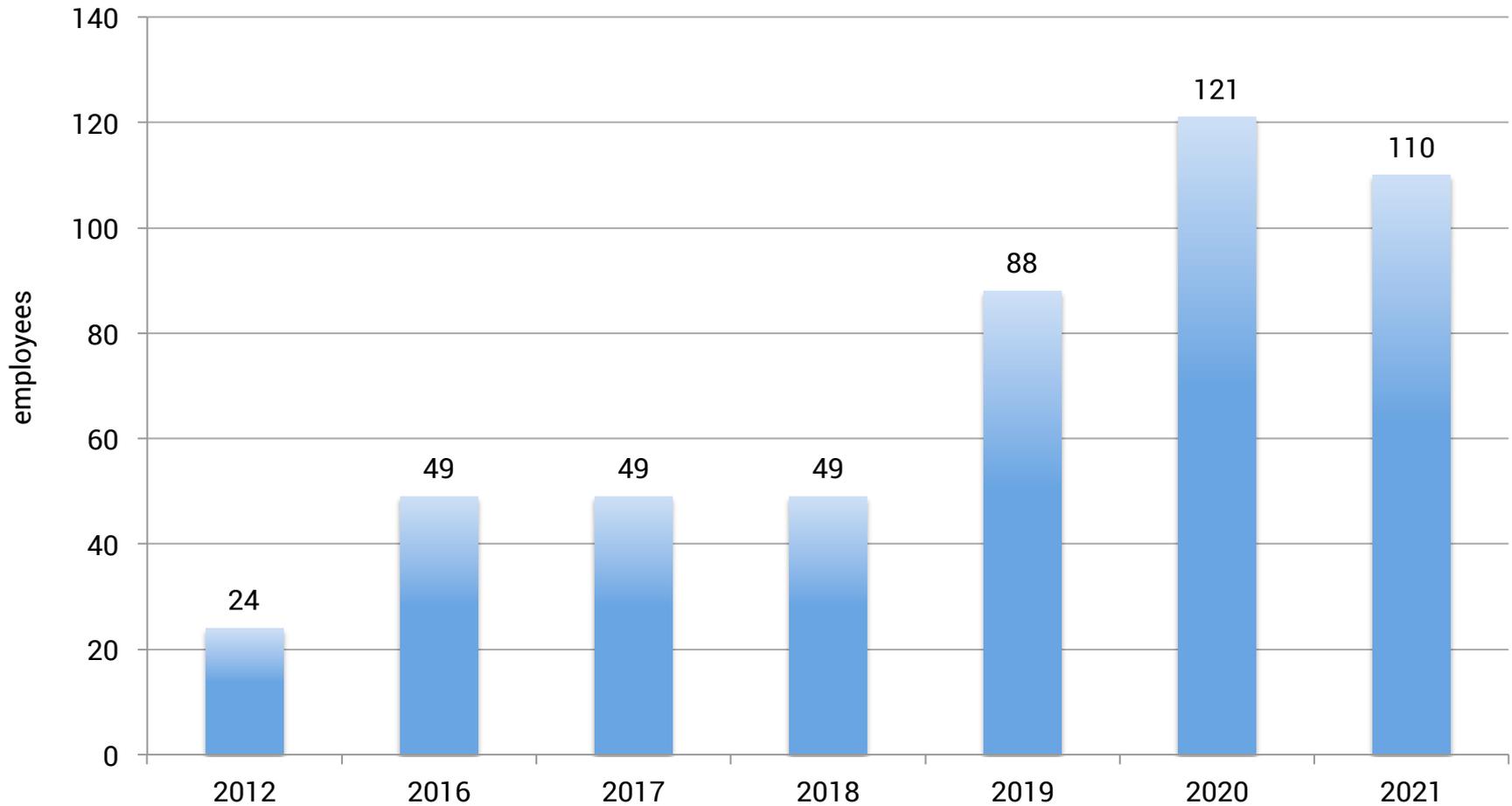
Quality manager

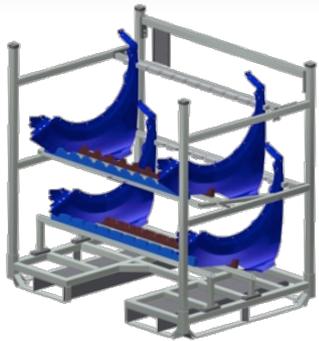
- 9 years in the industry

Manager of welding and prototype production, internal welding

- 21 years of experience in welding
- 20 years specializing in metal shipping containers



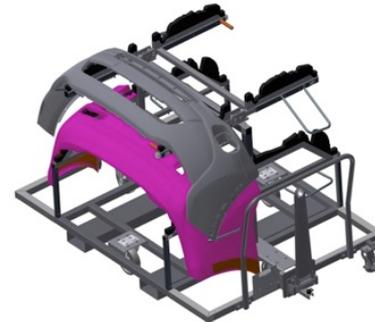
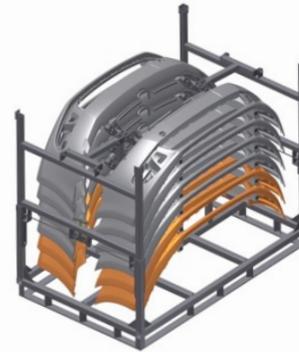


PRESSED PARTS


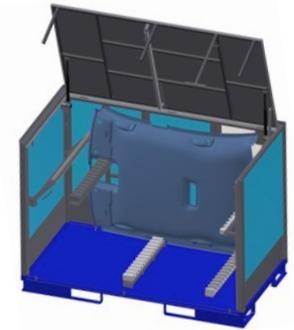
BODY PARTS

WELDED PARTS

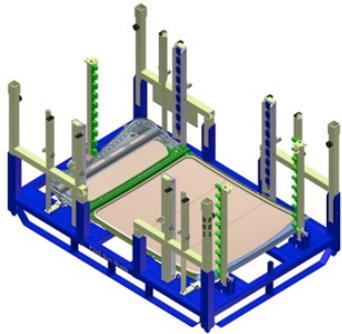

DIFFERENT BODY PARTS

EXTERIOR


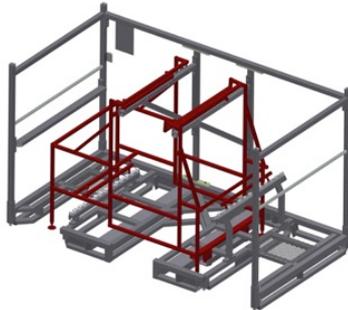
BUMPERS, SILLS...

INTERIOR

 DASHBOARDS, DOOR
 PANELS, CEILINGS ...

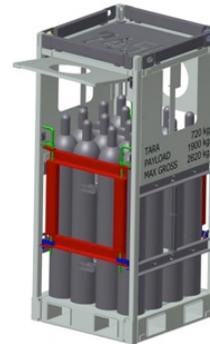
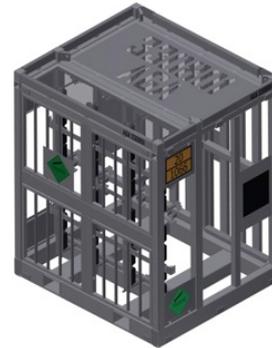
ACCESORIES



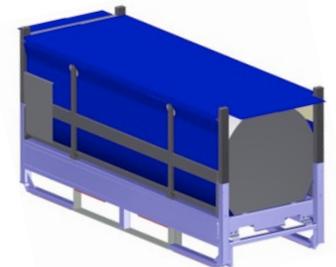
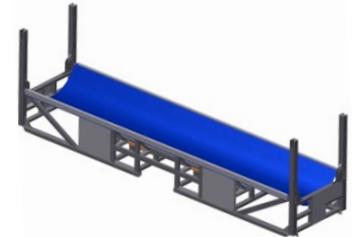
AIR CONDITIONING,
RADIATORS, GLASS ...

SPECIAL PROJECTS
- ROBOTIC PALLETS

GAS INDUSTRY



CHEMICAL INDUSTRY





TUBES

TruLaser TUBE 7000 laser cutting center

Machining tubes up to a diameter of 200 mm (optional 250 mm)

- Wall thickness up to 8 mm in structural steel



TruLaser TUBE 5000 laser cutting center

Machining tubes up to a diameter of 200 mm (optional 250 mm)



RASACUT CC 150-2 cutting center

CNC circular saw for cutting two profiles side by side at the same time

- For diameters up to 150 mm

**SHEET METAL****TruLaser 5040 fiber (L69)**

CNC laser center

- Sheet cutting

**TruBend 5130**

Press brake

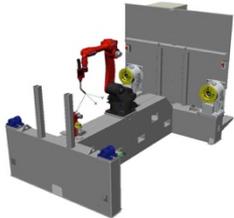
- Bending length up to 3.230 mm

**TruBend 7036**

Press brake

- Bending length up to 1.020 mm

**CNC bending robot cells for small parts**



WELDING, MACHINING

Robotic workstation A H-Ram 3100, Robot TL-2000WG3

Robotic workstation A H-Ram 3100, Robot TL-2000WGH3



BIESSE CNC machining center

- Processing plastics, metal-plastics, aluminum and foams
- Working range: 2.500 x 1.200 x 260 mm



PLASTICS

Tool for casting polyurethane – Polytec DG 130

- Casting PU of different hardness
- Automatic dosing
- Paint dispensing

Ultrasonic cleaning of parts

- Removing the residual of unwanted impurities from the surface of the part



RELATED TECHNOLOGIES; SURFACE FINISHES

Deburring, grinding and edge rounding center LISSMAC SBM – L 1000 G1S2 / SBM – XS G1E1

- For removing sharp edges from cutouts

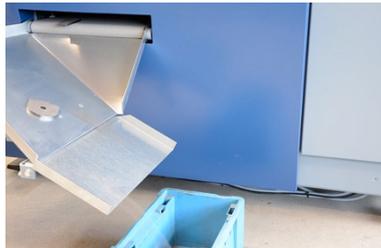
COMPONENTS FOR PALLETS

- PU parts – own technology
- PE parts – own technology
- PE/PA – shaped components – 250 km
- Textile internals (multibags) – 15 km



SURFACE FINISHES

- Wet painting – 0.5 km
We offer standard wet painting on a semi-automatic painting line using the electrostatic process
- Powder coating – 25 km
Possibility of finishing parts with dimensions of 6.000 x 1.450 x 600 mm (L x W x H)
- Hot-dip galvanizing – 0.5 km
We do this surface treatment for parts with dimensions of 9.500 x 1.300 x 3.100 mm (L x W x H)
- Zinc galvanizing – 35 km
Electrostatic zinc galvanizing (we outsource using a subcontractor)
We do this surface treatment for parts with dimensions of 4.000 x 600 x 1.200 mm (L x W x H)



SPECIAL FINISHES

- Flocking – our own technology
- Plastic coating (PE / PVC / PU) – our own technology
- RILSAN coating

CERTIFICATION

AUTOMOTIVE

- ČSN EN ISO 9001:2016; ČSN EN ISO 14001:2016
- Packaging according to EN 13 626:2003
- Certification CE

NON-AUTOMOTIVE

- Certification of the production process DNV 2,7-1 Offshore freight containers - EN 12 079
- Certification for visual inspection of welds
- Certification for the implementation of non-destructive testing by method MT (magnetic particle MT/2/MS)



quality



OEM



ŠKODA



BENTLEY



Audi



SCANIA

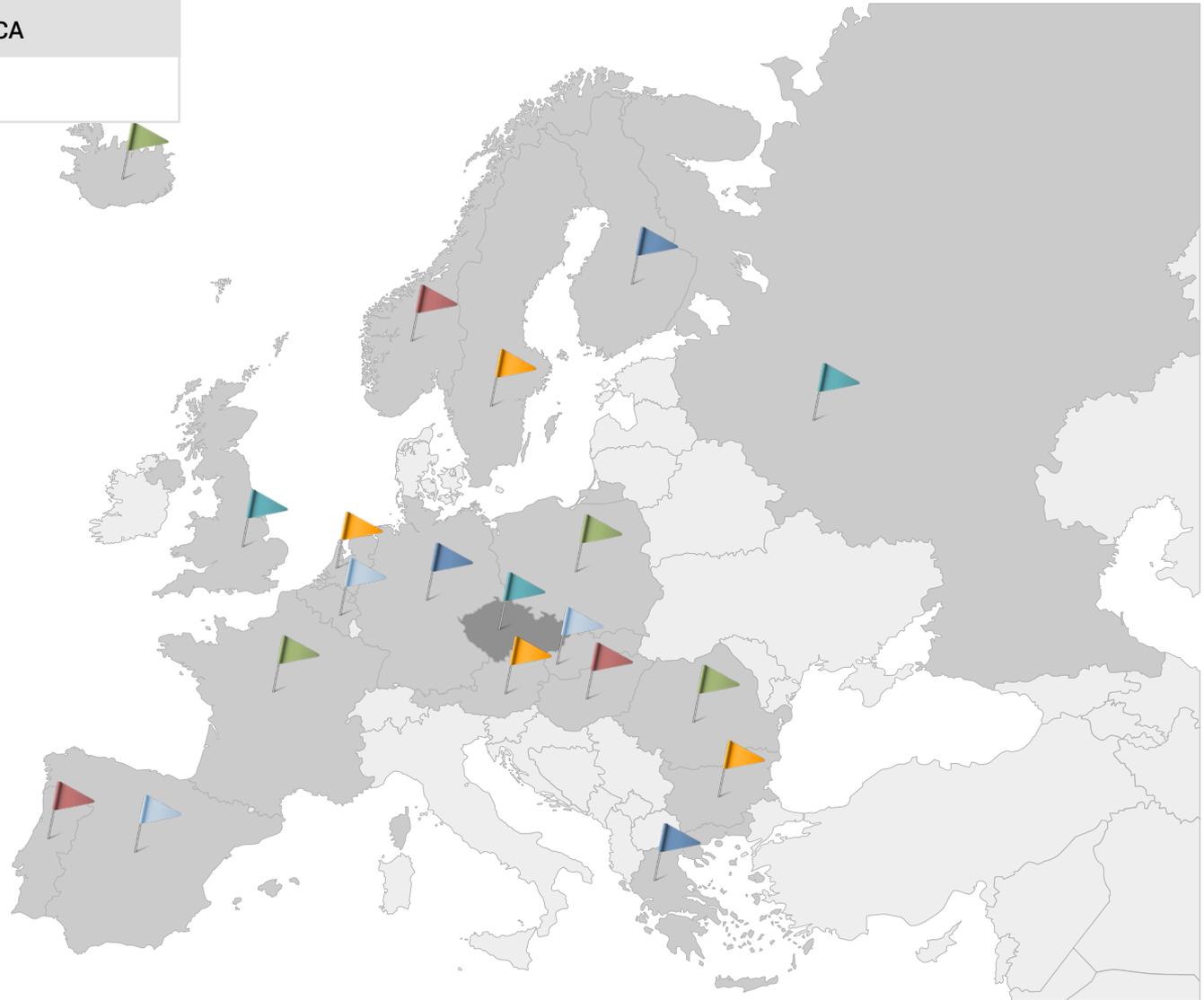
**valmet automotive**

EUROPE; RUSSIA

Czech Republic	
Austria	
Belgium	
Bulgaria	
Finland	
France	
Germany	
Great Britain	
Greece	
Hungary	
Iceland	
Netherlands	
Norway	
Poland	
Portugal	
Romania	
Russia	
Slovakia	
Spain	
Sweden	

AMERICA

Mexico





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