

**KADING** d.o.o.  
Inženjering i proizvodnja

# KADING d.o.o.

INTEGRATION OF KNOWLEDGE AND EXPERIENCE INTO DAILY BUSINESS

WHAT MATTERS  
MOST IS NOT  
**'WHAT'**  
YOU ARE, BUT  
**'WHO'**  
YOU ARE.

# WHO ARE WE?

## A TEAM OF PEOPLE WITH...

- ...proven experience in product development
- ...proven experience in creation of technical documentation
- ...proven experience in product testing and certification
- ...results which were validated and recognized by the users across the European Union and wider



# OUR CORE VALUES

What define us

## Commitment

Dedicated to the success of our customers, partners, employees and shareholders.

## Integrity

Exhibit honesty and integrity at all times.

## Caring

Maintaining respectful relations with customers, partners, suppliers, our employees and communities.



## KNOWLEDGE

Be experts in our business.

## Innovation

To create solutions that make a difference.

## Responsibility

Working according to the best industry practice we always take in consideration safety, quality and environmental topics into our solutions.

## Team work

Working collaboratively with our partners, suppliers and customers to solve problems and achieve goals.

THERE IS ALWAYS A REASON TO BE  
**HAPPY**  
REMEMBER THAT.  
HAVE FUN AND TAKE ADVENTURES.  
SAY YES, LET GO, AND SHINE  
**BRIGHTLY**

## OUR MISSION...

- Customer satisfaction based on high quality and efficiency of provided services
- Satisfaction of employees and owners which is translated into creativity and stimulating work environment, fostering values, good interpersonal relationships, pursuing goals and financial security



# A LITTLE BIT OF HISTORY

Our first years...

## „STARTUP“

Consulting services in the product certification field

2013

## „FIRST STEPS“

Offering services on international markets (western Europe)

2015

## „BIG JUMP“

CAD/CAM – FEM - CONSULTING  
– PRODUCT DEVELOPMENT

2017

## „CRAWLING“

Start with drafting and engineering services – first investment in SolidWorks Premium

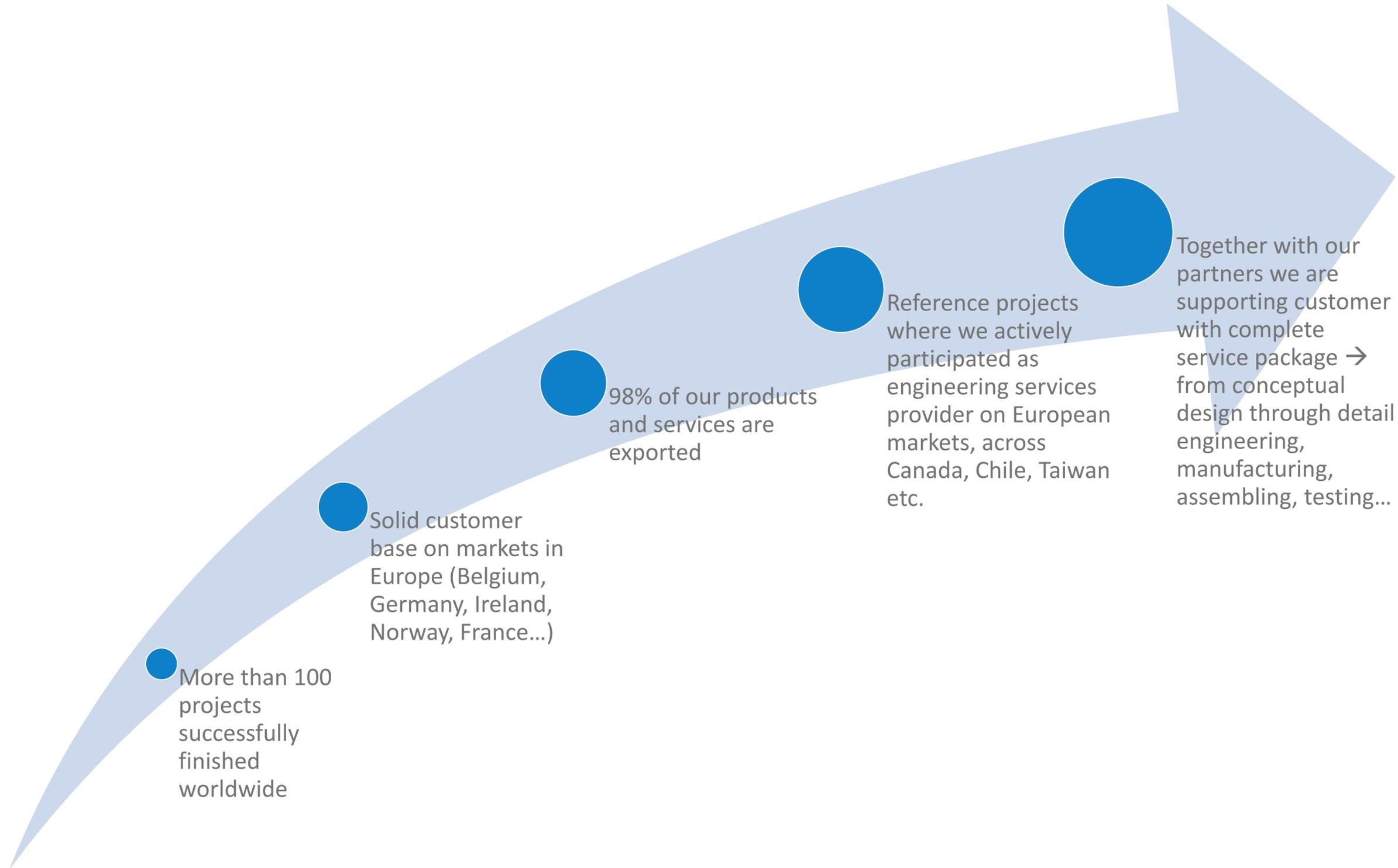
2014

## „REVEALING THE POTENTIAL“

Signed first long-term agreement to provide engineering services

2016

# KADING TODAY...



At its heart

**ENGINEERING**

Is about using science to find

**CREATIVE**

practical solutions



## PRODUCT DEVELOPMENT

- Product development according to specific customer requirements:
  - Concept development;
  - Concept evaluation (performance, DFM, DFS, cost evaluation);
  - FEM & CFD simulations;
  - Prototype development;
  - CAD models and drawings (GA, assembly, workshop drawings)



## TECHNICAL DOCUMENTATION

- Preparation of technical documentation:
  - BOM's
  - Welding plans
  - technical data sheets
  - price calculations

At its heart

**ENGINEERING**

Is about using science to find

**CREATIVE**

practical solutions



### CONSULTING

- Product certification
- Implementation of modern technologies into manufacturing processes and implementation of CAD / PDM solutions



### MANUFACTURING SUPPORT

- Manufacturing of small series and production follow up
  - Welding
  - Machining
  - Surface protection
  - Assembling
- Tools design and manufacturing
  - Testing machines
  - Welding jigs

# TOOLS THAT WE USE...

## CAD software

- SolidWorks
- Solid Edge
- DraftSight (DS solution for AutoCAD)

Our engineers are certified SolidWorks users, some of them with more than 20 years of experience.

Our engineers have experience also in other CAD software's (CATIA, CREO, Inventor). We will be glad to support you.

## PDM software

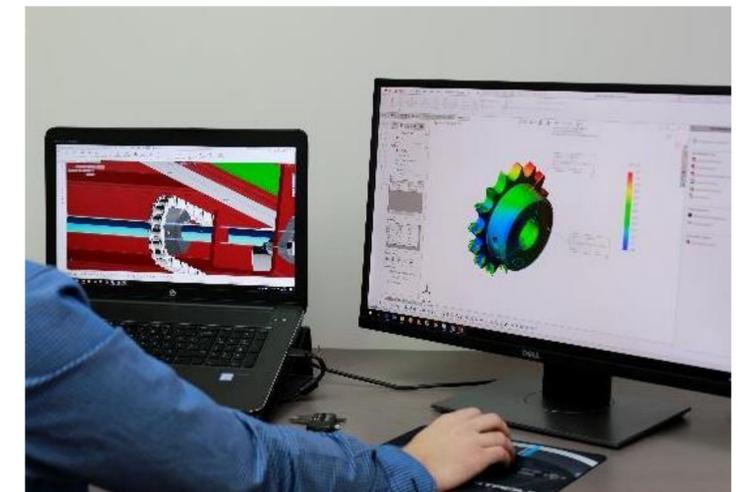
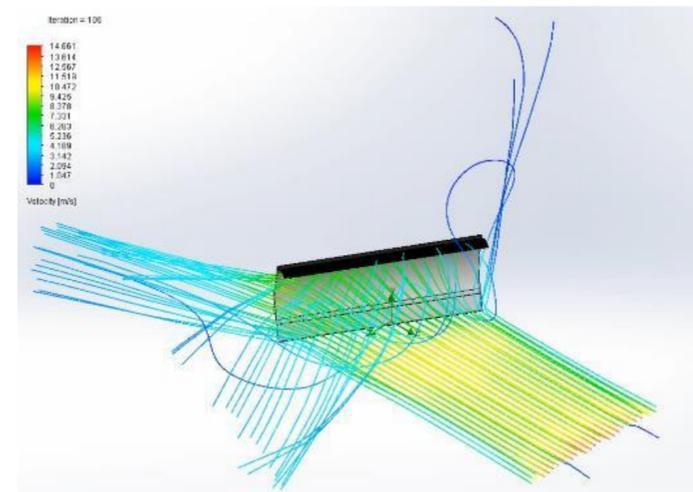
- SolidWorks PDM Professional

We are using SolidWorks PDM solution for data management.

Other solutions are also possible if required from customer side.

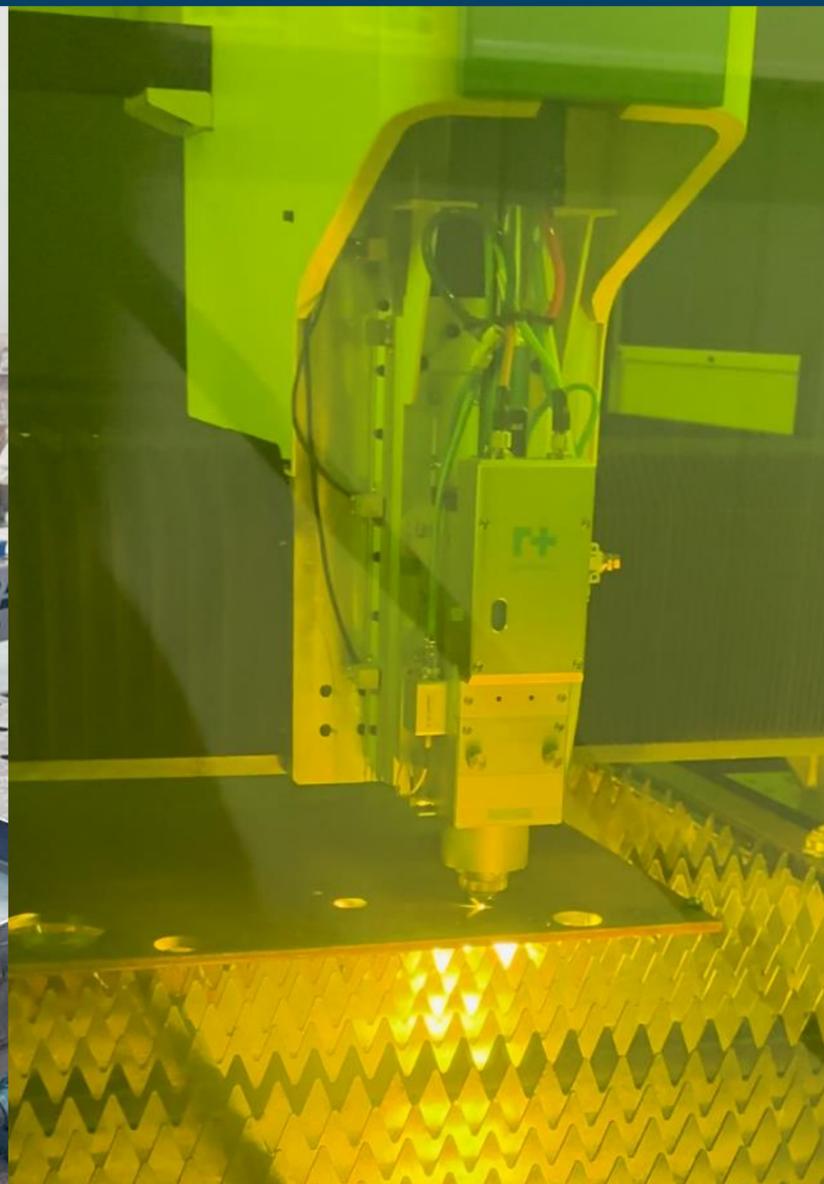
## FEM & CFD

- SolidWorks Simulation
  - Linear Static Simulation
  - Fatigue Simulation
  - Design Optimization
  - Buckling or Collapse Simulation
  - Thermal Simulation
  - Drop Test Simulation
  - Pressure Vessel Design
  - Linear Dynamic Simulation
  - Nonlinear Simulation
  - Composites Simulation
- SolidWorks CFD Simulation



## PRODUCTS AND SERVICES:

- Development and construction of machines, equipment and devices according to customer requests
- The service of making welded structures for various purposes
- Sheet metal cutting, bending and rolling services
- Machining services of parts and smaller welded structures
- Anti-corrosion protection services
- Assembly services



## MACHINES

- Machine saw for cutting profiles and pipes
- CNC laser for cutting sheet metal up to a thickness of 20 mm for carbon steel, 15 mm stainless steel, 12 mm aluminum, max. smoke. panels 4000x2000 mm
- bending machine up to a length of 4000 mm, bending capacity 220 t
- Sheet metal rollers, max. rolling width 1550 mm, max. sheet thickness 6 mm

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# OUR BUSINESS MODEL

PLAN – DO – CHECK – ACT

## PLAN

Identification of challenges in customers business processes

## CHECK

Prototyping and testing / studying of the achieved results



## DO

Creating different concepts and selecting one that is most balanced / suitable for customers / applications

## ACT

Implementation of the best solutions into customers products / processes

# INDUSTRIES



Industrial equipment



Packing & automatization



Heavy machinery



Railroad



Transport logistic



Agricultural equipment



Transport & Vehicles



Welding



Maintenance equipment

# SOME PROJECTS...

## PRODUCT DEVELOPMENT - MAINTENANCE EQUIPMENT

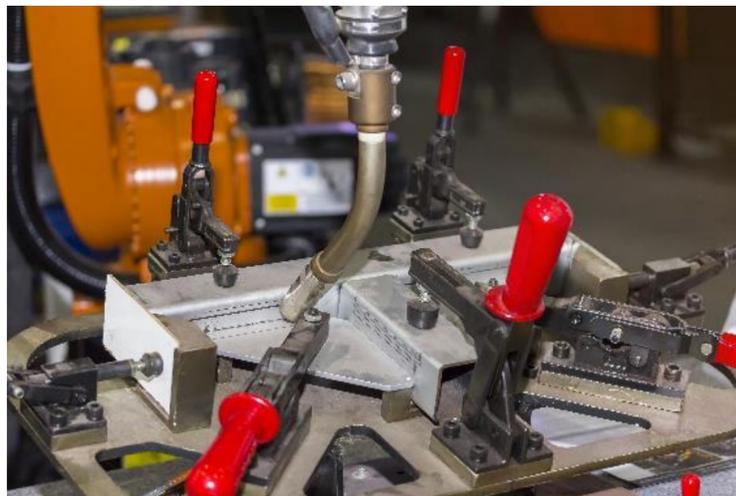
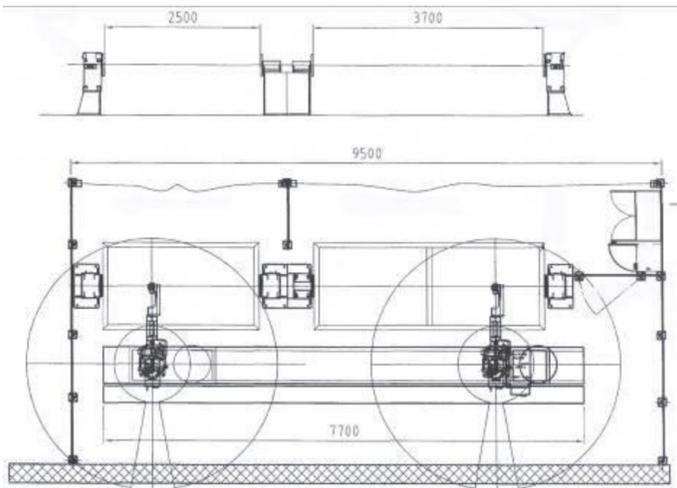
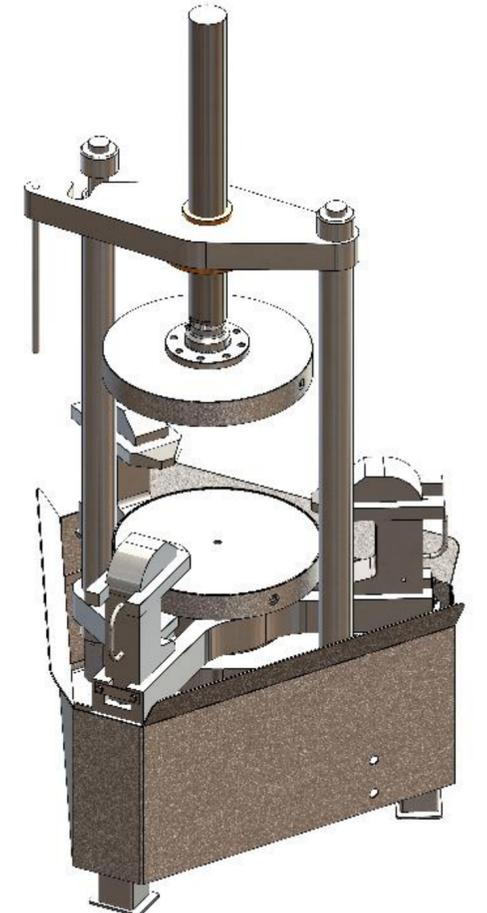
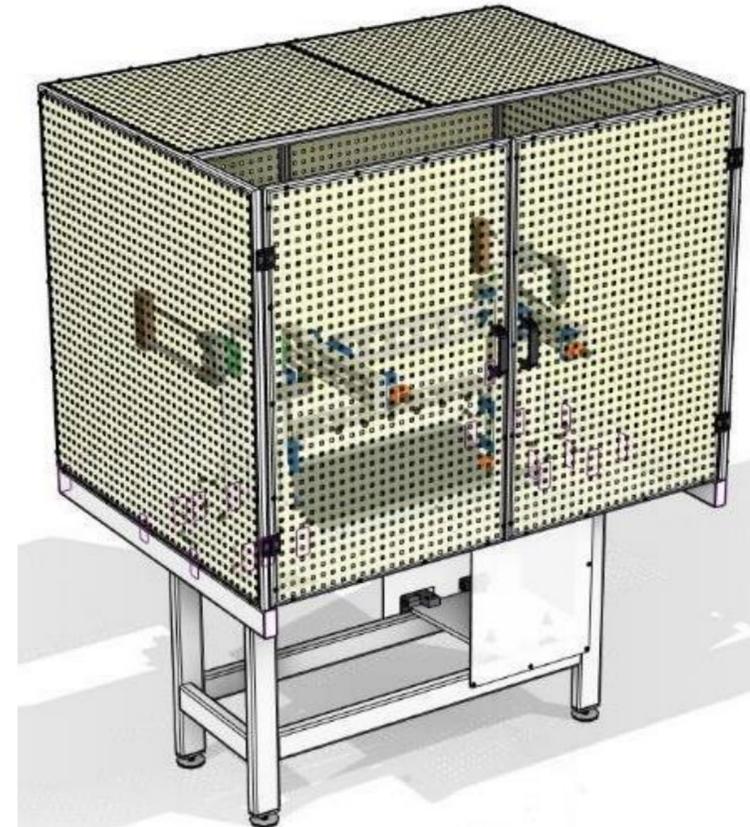
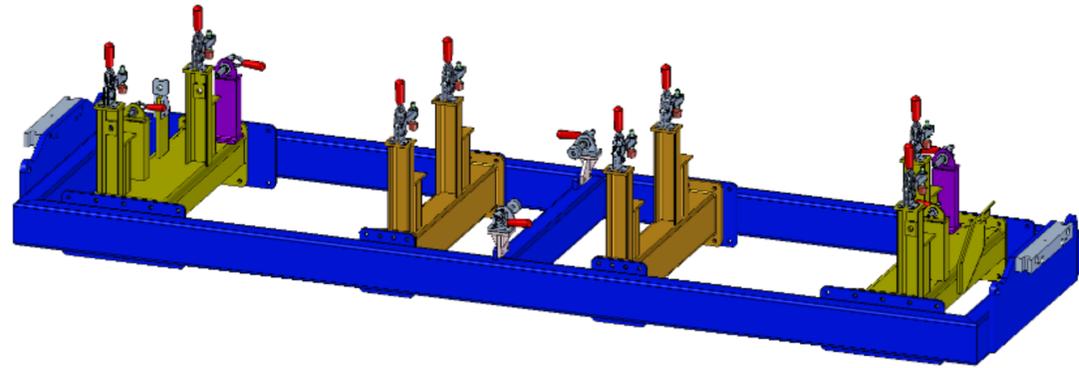
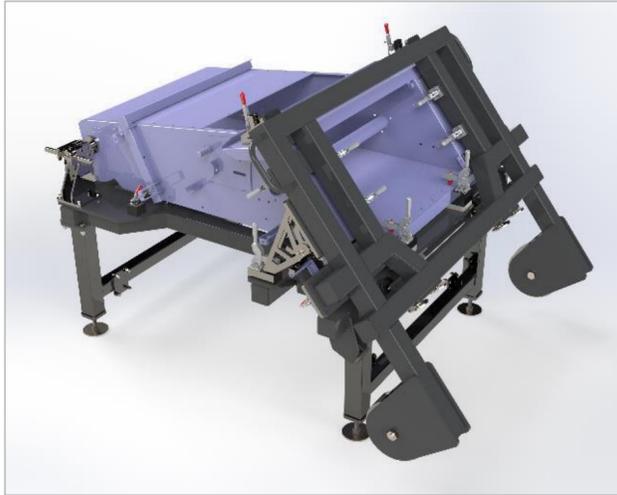
- Winter maintenance equipment:
  - Snow ploughs
  - Salt spreaders (auger, belt, chain conveyors)
  - Road sweepers
  - Tunnel and sign washing units
- Summer maintenance equipment:
  - Front, side and rear mowers
  - Road sweepers (front mounted, chassis mounted vacuum sweepers)
  - Road washing units
- Tractor and truck upgrades
  - front attachment plates (EN 15432, DIN 76060, VSS, Norge execution etc.)
  - Front tree point hitch's (ISO 730)
  - hydraulic systems (two or tree circuit hydraulic systems acc EN 15431)



# SOME PROJECTS...

## PRODUCT DEVELOPMENT / MANUFACTURING / ASSEMBLING – TOOLS AND EQUIPMENT

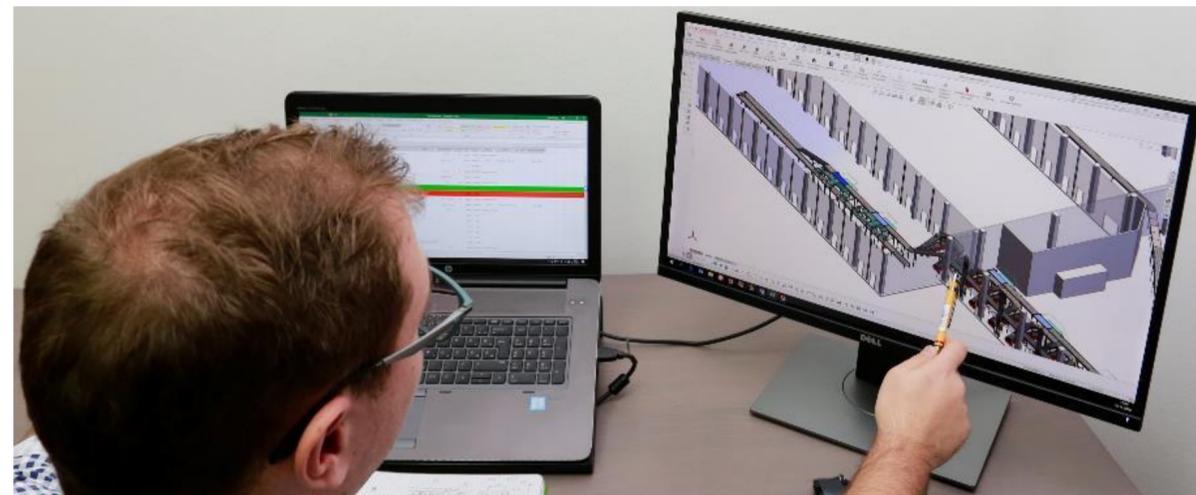
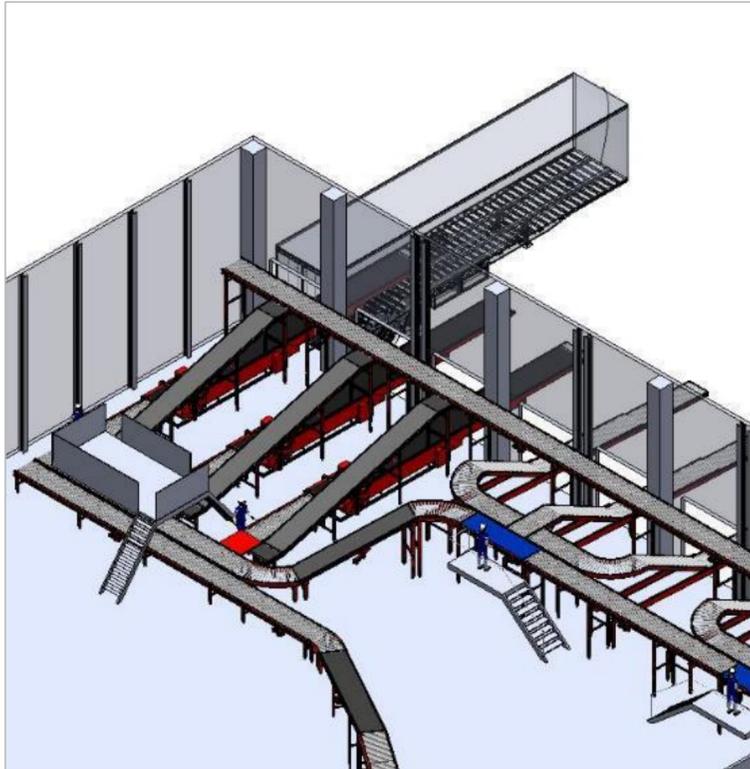
- Welding jigs
- Implementation of robotic welding into manufacturing process
- Testing machines



# SOME PROJECTS...

## PRODUCT DEVELOPMENT AND ASSEMBLING - TRANSPORT LOGISTIC

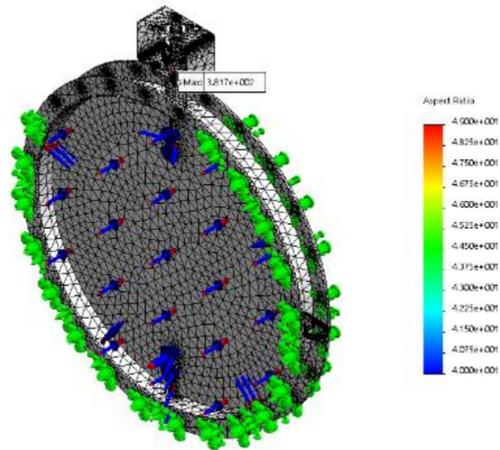
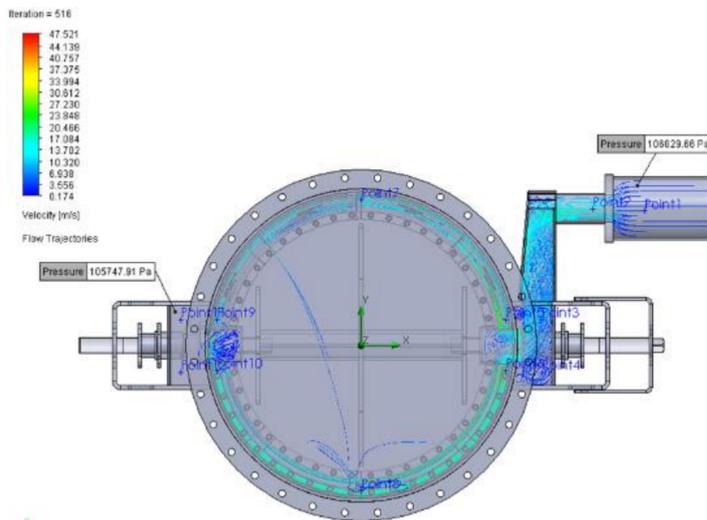
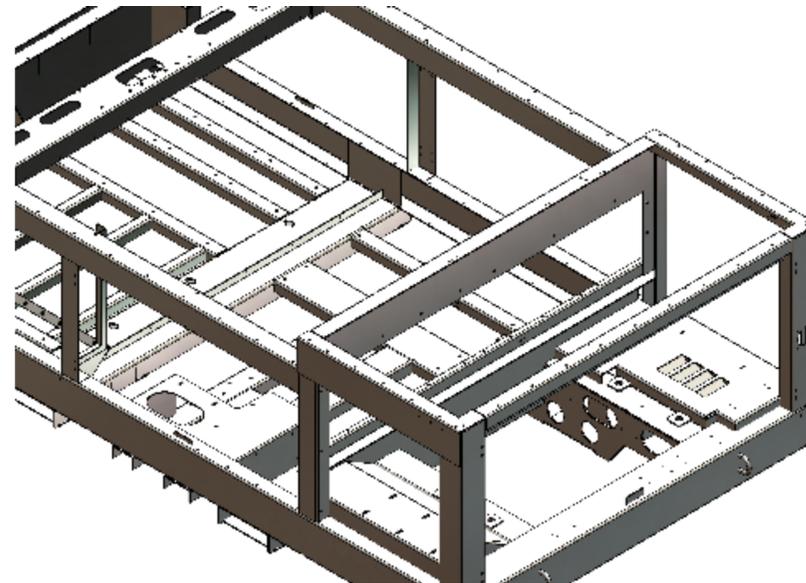
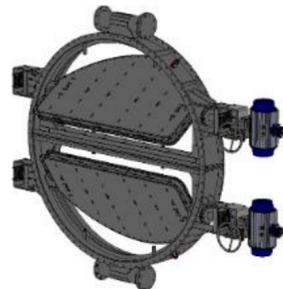
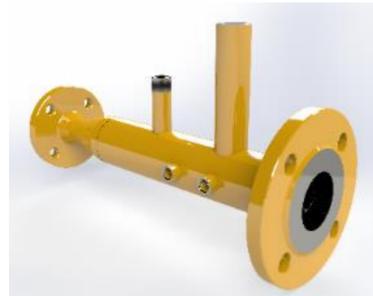
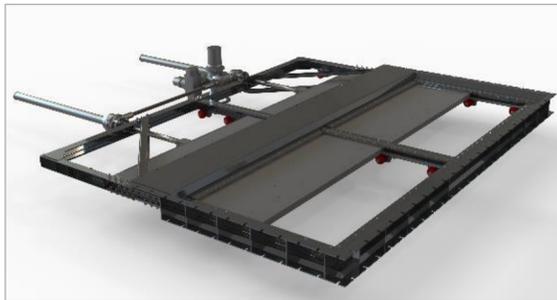
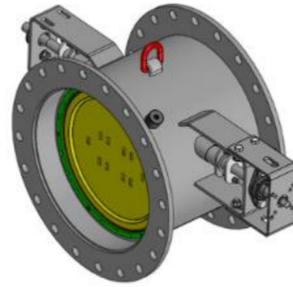
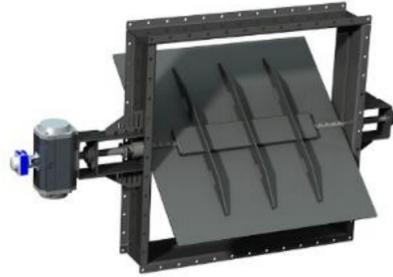
- Concept development according to customer requirements and inputs
- Components development:
  - Telescopic belt conveyors
  - Telescopic gravity conveyors
  - Roller conveyors
  - Belt conveyors
  - Sorting units
  - Return units
- Assembling

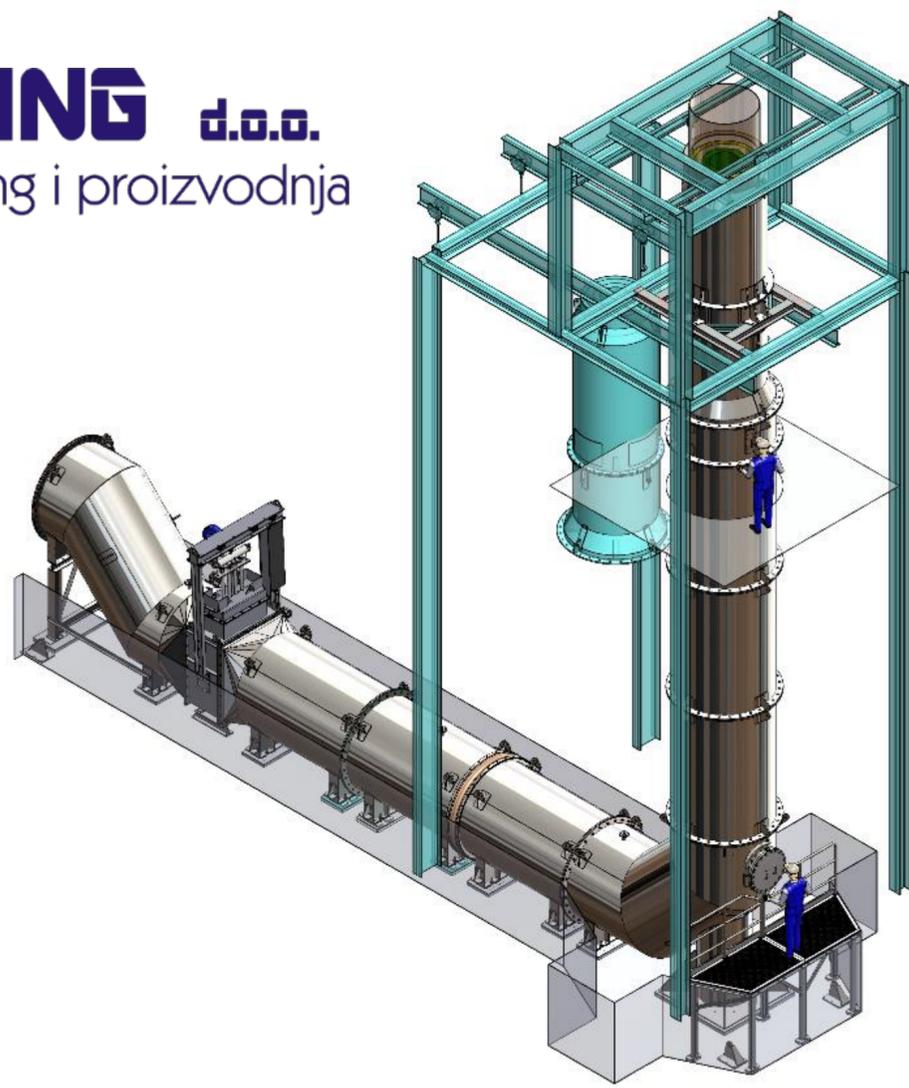


# SOME PROJECTS...

## PRODUCT DEVELOPMENT - INDUSTRIAL EQUIPMENT

- Butterfly dampers
- Knife gate valves
- Louvre (multi-blade) damper valves
- Inlet control valves etc.

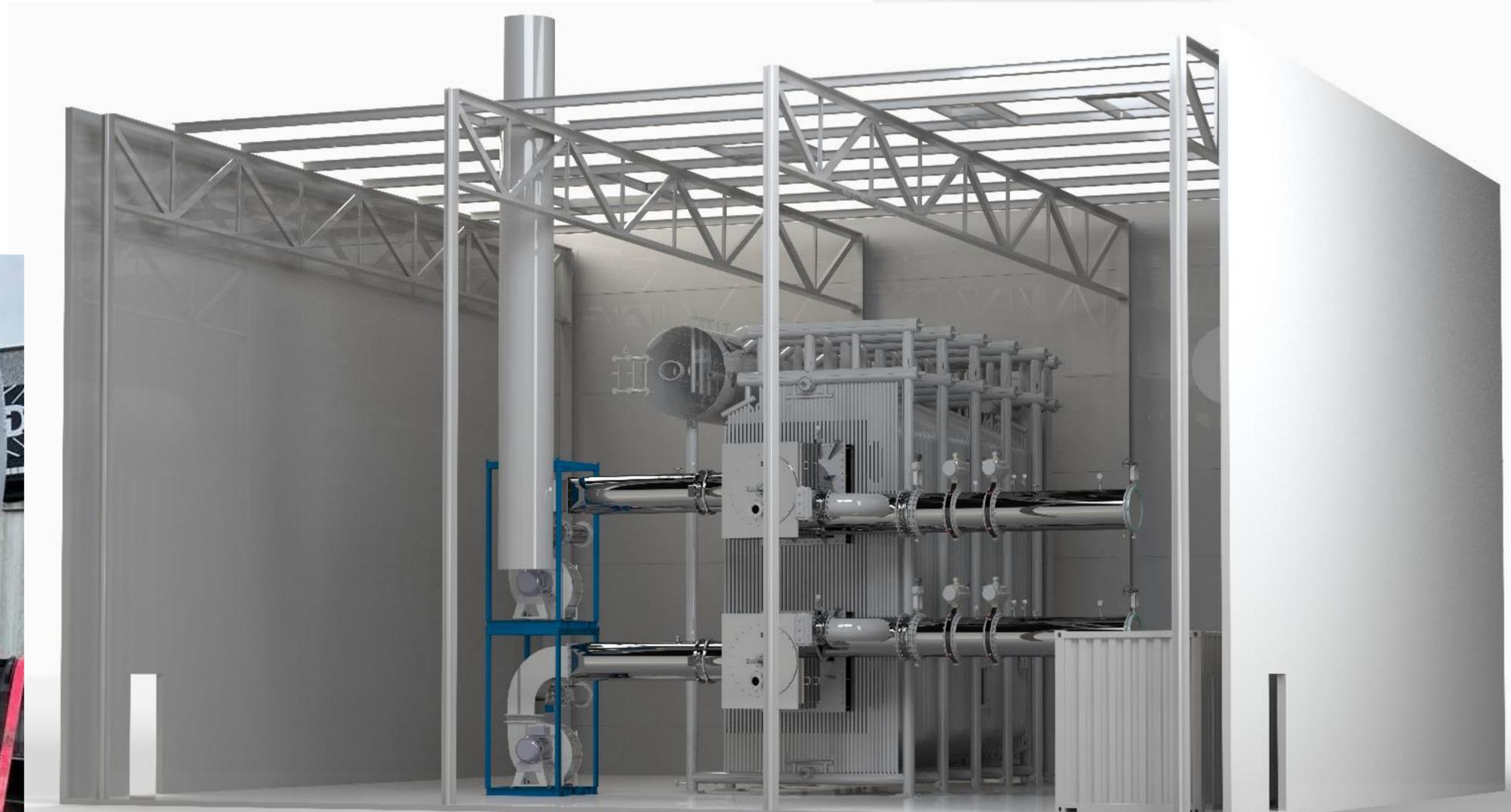




# SOME PROJECTS...

## PRODUCT DEVELOPMENT – INDUSTRIAL EQUIPMENT

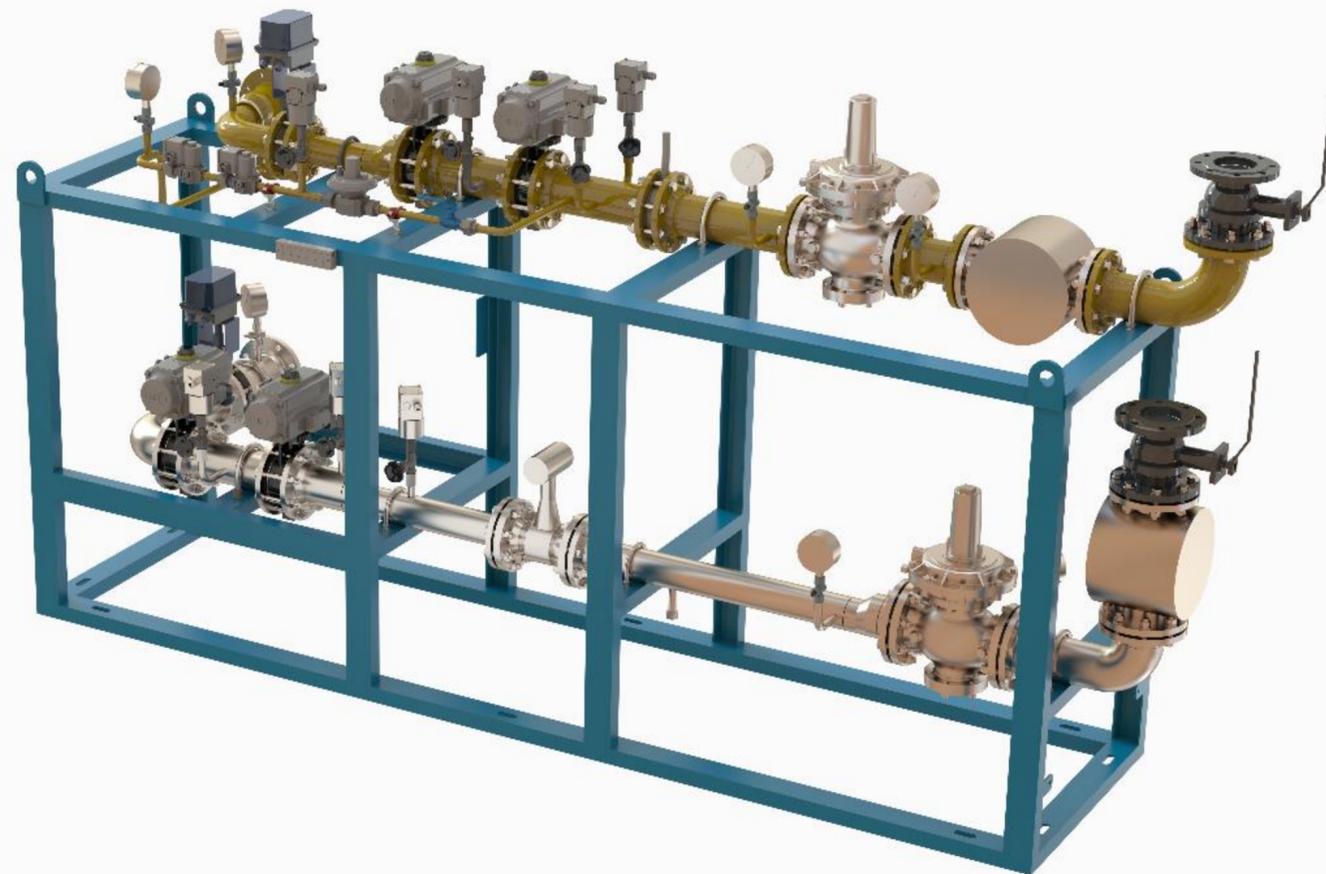
- Flue gas ducts
- Burners and combustion chambers



# SOME PROJECTS...

## PRODUCT DEVELOPMENT – INDUSTRIAL EQUIPMENT

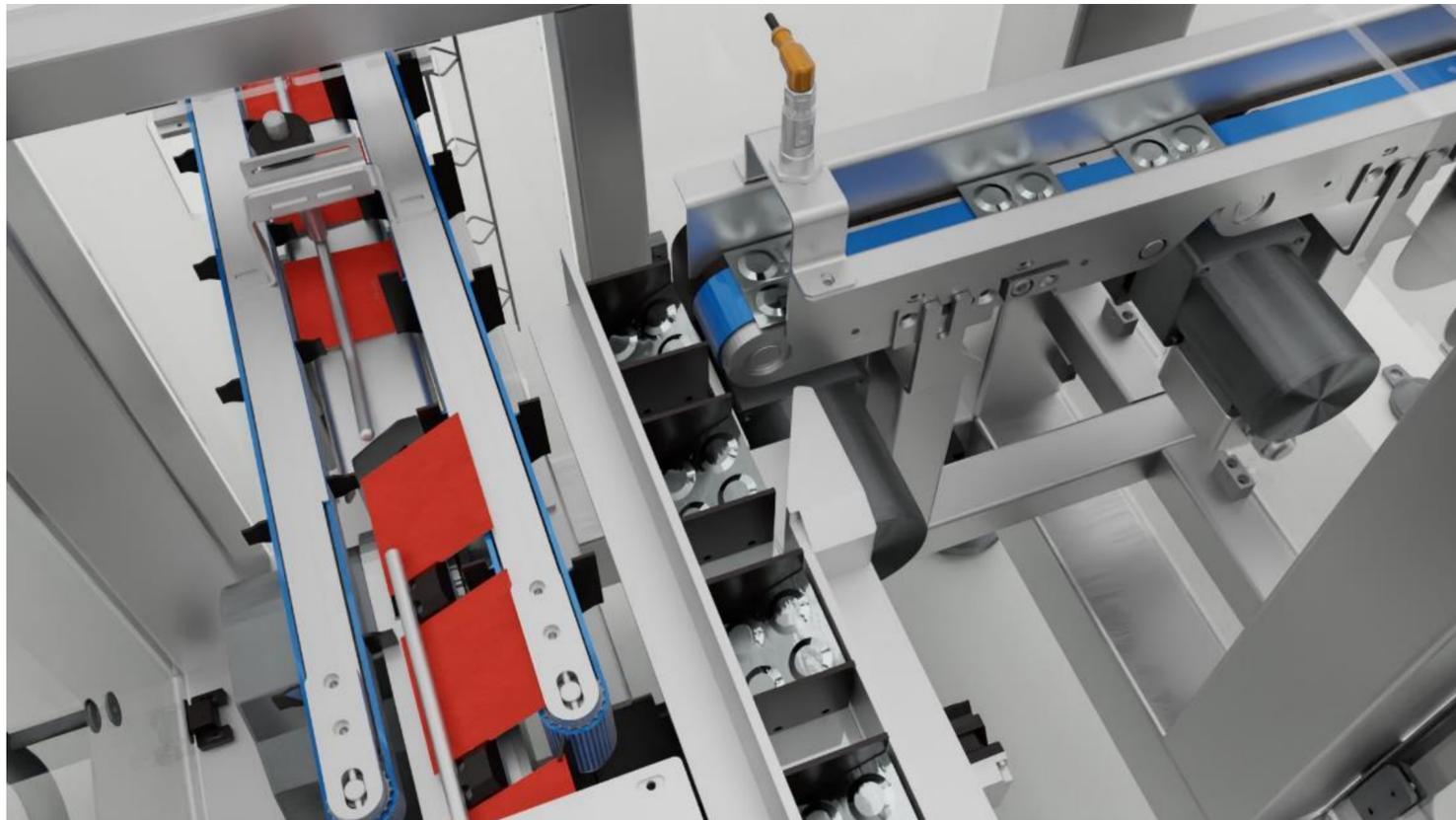
- Platforms
- Gas train skids



# SOME PROJECTS...

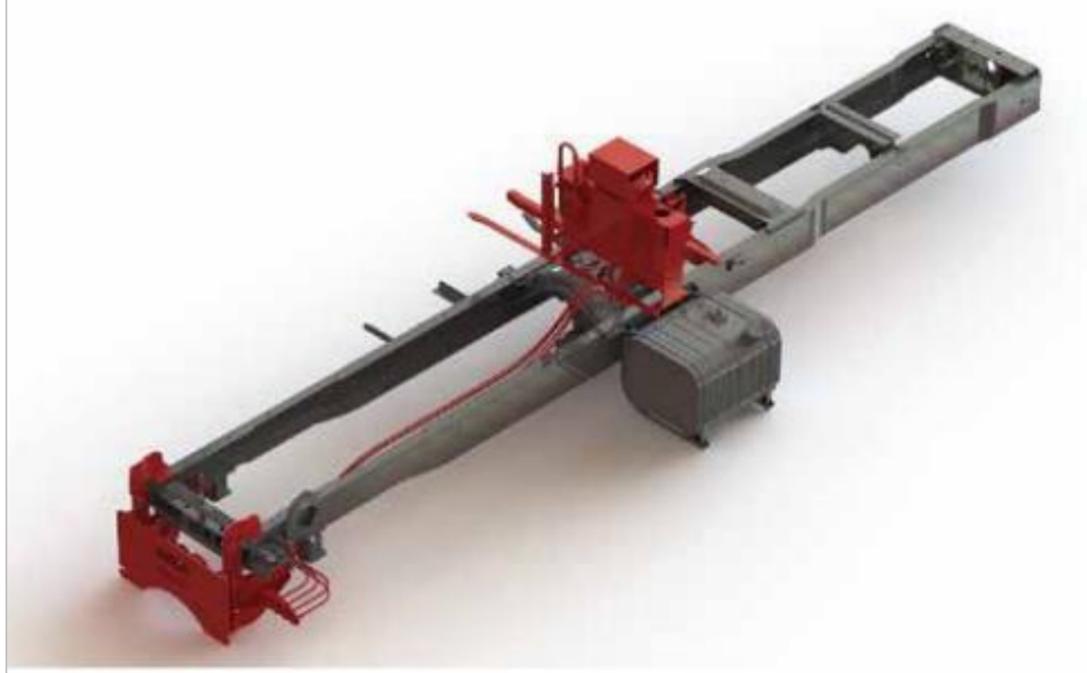
## PRODUCT DEVELOPMENT - PACKING & AUTOMATIZATION

- Product development according to customer requirements
- CAD modelling and workshop documentation
- BOM's

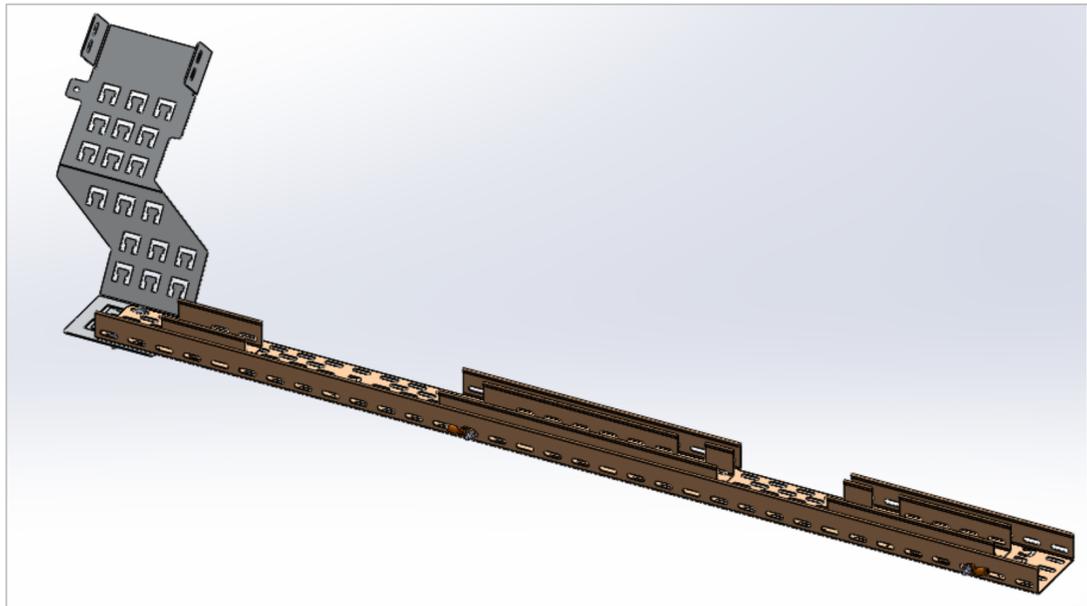


# SOME PROJECTS...

## PRODUCT DEVELOPMENT / WORKSHOP DOCUMENTATION - RAILROAD | TRANSPORT & VEHICLES



- Tractor and truck upgrades
  - front attachment plates (EN 15432, DIN 76060, VSS, Norge execution etc.)
  - Front tree point hitch's (ISO 730)
  - hydraulic systems (two or three circuit hydraulic systems acc EN 15431)



- Conversion and adaptation of end customer CAD drawings
  - Conversion of end customer CAD models from STEP to manufacturer native CAD models
  - Adaptation of CAD models to manufacturer production technologies and capabilities
  - Assembly instructions

## SOME PROJECTS...

### MANUFACTURING OF PARTS AND COMPLETE PRODUCTS

- Butterfly damper valves
- Flow regulation valves
- Control valves



## SOME PROJECTS...

### MANUFACTURING OF PARTS AND COMPLETE PRODUCTS

- Machine parts – sheet metal
- Machine parts – welded construction



# PRODUCTS...

FRONT CRANE WASHER



WATER TANKS



OTHER...



# REFERENCE...



We are always ready to  
**HELP YOU!**

## CONTACT DETAILS...

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