

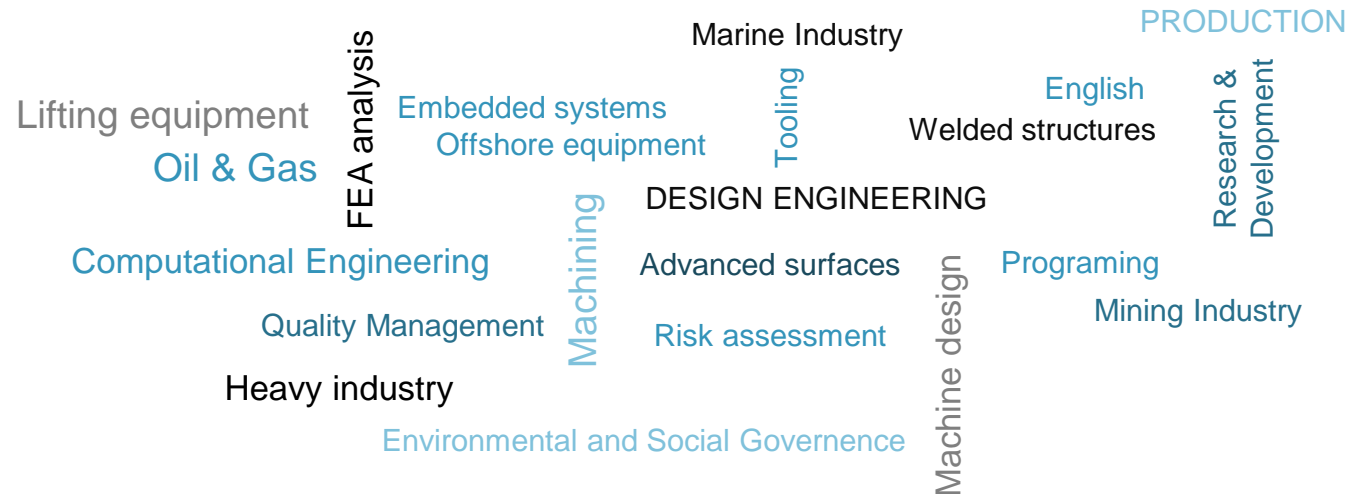
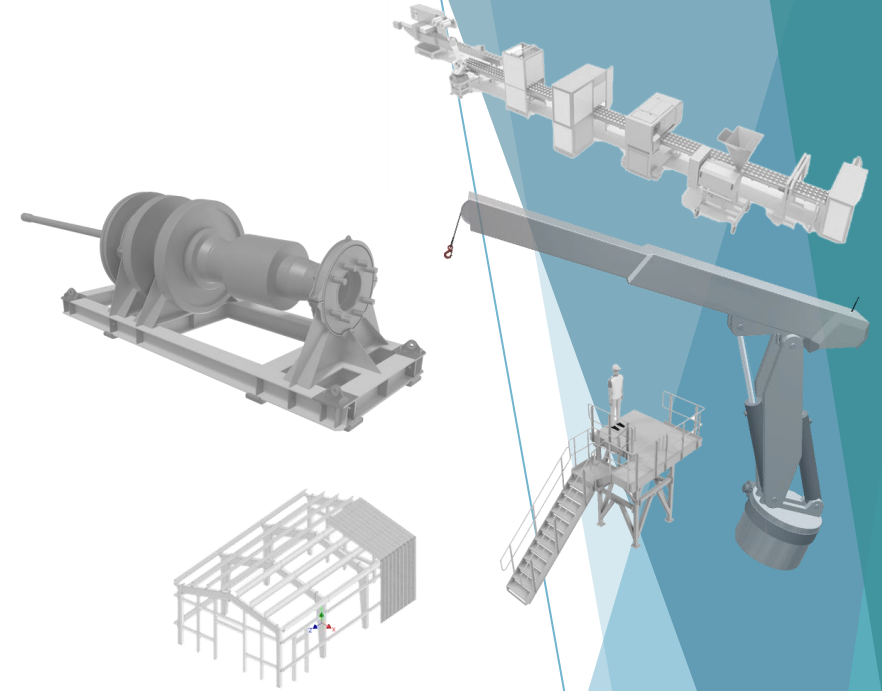
# SVAR

## Technology

ENGINEERING WITH PASSION

### About us

We are a team of dedicated engineers with extensive experience in mechanical design engineering across a wide range of industries.



**Marton Ede**  
Managing Director

### Contact us

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Mail: [office@svar.tech](mailto:office@svar.tech)  
[www.svar.tech](http://www.svar.tech)

# Our Services

## Mechanical Design Engineering

1. Welded Steel Structures
2. Heavy Machinery Engineering
3. Lifting & Handling Equipment
4. Complete Production Line Design
5. 3D Computer Aided Design
6. Bill of Materials
7. Drafting & Detailing
8. Manufacturing Ready Documentation

## Structural Engineering

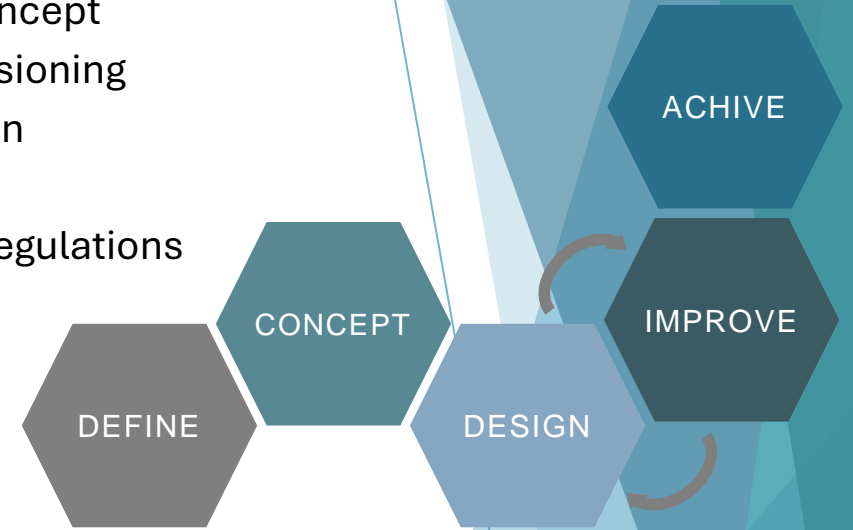
1. Finite Element Analysis
2. Structural Code Checking
3. Multi-Body Dynamics Simulations
4. Seismic & Wind Load Analysis
5. Structural Fatigue & Durability Analysis
6. Load-Case Studies
7. Failure Mode & Root Cause Investigation
8. Complete Calculation Report

## Research and Development





1. Concept Design
2. Prototype Design & Functional Testing
3. Feasibility Studies & Proof of Concept
4. Design Optimization and Dimensioning
5. Material Selection & Optimization
6. Product Development
7. Compliance with Standards & Regulations
8. Product Certification Support

## Reverse Engineering

1. LiDAR and 3D Laser Scanning
2. 3D Model Reconstruction
3. Point Cloud to Solid Model Conversion
4. Complete Product Overhaul & Optimization
5. Conversions and Retrofits
6. Product Integration
7. Digitalization of Existing Projects
8. Development of Digital Twins



## Meet the mechanical team

		Technical strength	Software	Team's best
	MARTON Ede	Packaging Industry 3y, Automotive Industry 2y+, Product Lifecycle Management 5y, Heavy machinery engineering 10y+, Leadership 10y+	Inventor, Catia, Office tools, ERP	Hobby cyclist
	BORDÁS Botond	Lifting equipment design and development 10y+ Automotive Industry 2y, Assembly lines 2y Interactive 3D applications 2y+	Inventor, Catia Autodesk 3ds max Blender	Deadlift specialist
	PAPP Levente	Heavy machinery design 10y+ Automotive Industry 7y+	Inventor, Pro/Engineer	Double bass player
	KOCSIS Hunor	Lifting equipment design and development 3y+, Industrial cooling system design and development 2y+	Inventor, Catia	Foosball player

## Meet the structural team

		Technical strength	Software	Team's best
	BODOSI Bálint	Civil engineer in construction 10 y+ Advanced Structural simulations 3y+	ISB CAD, Nastran, Inventor Excel, Matlab	Mountain lover, runner and swimmer
	VARGA Béla	Advanced Structural simulations 4y+ Automatized computation 3y+ Research 8y+, Data Analysis 6y+	Nastran, Inventor Excel, Python, Matlab	Folk dance specialist
	BÁCS Béla	Structural Engineering 4y, Research 6y+ Linear & Nonlinear Analysis of cold formed steel structures 3y+, Parametric FEA 2y+	Abaqus, Ansys Nastran, Consteel Rhino/ Grasshopper	Rock climber & Monocyclist

# Our history and expertise:

- Marine Cranes
- Davits
- Winches





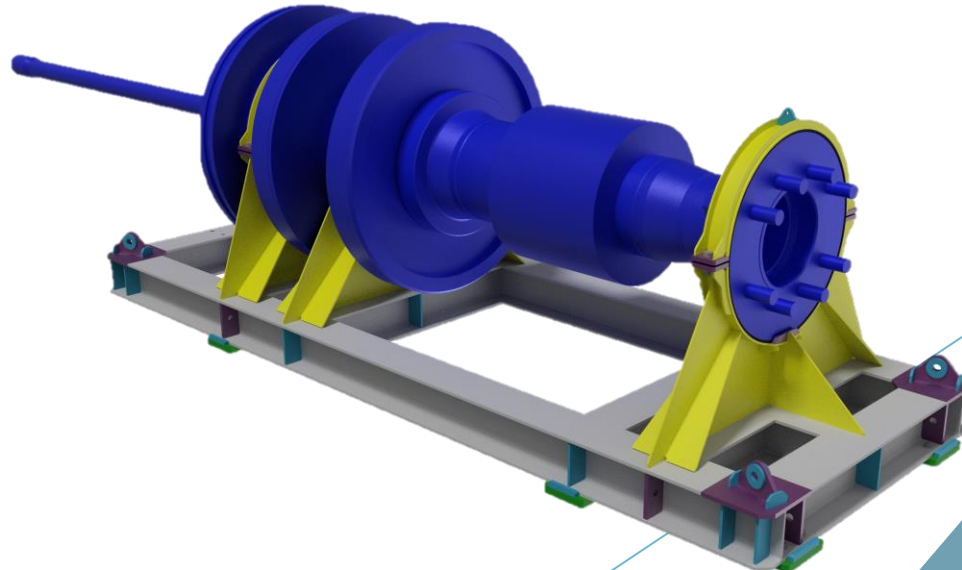
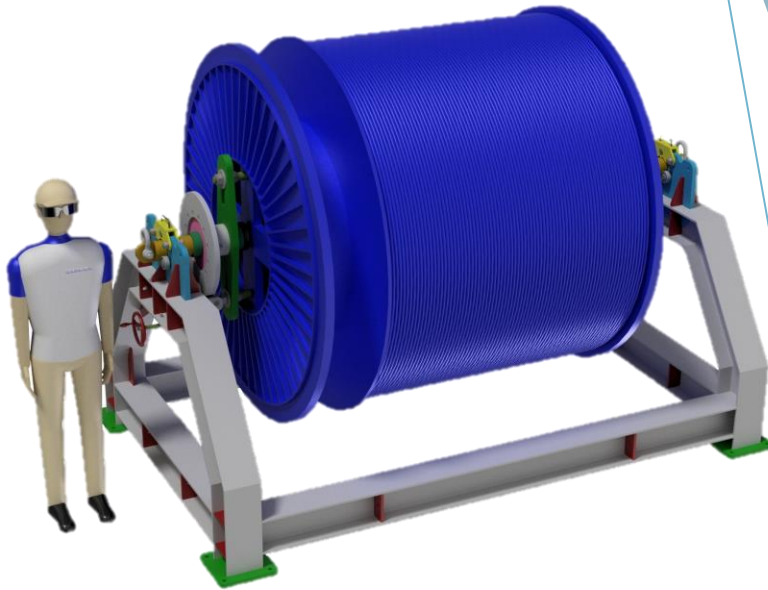
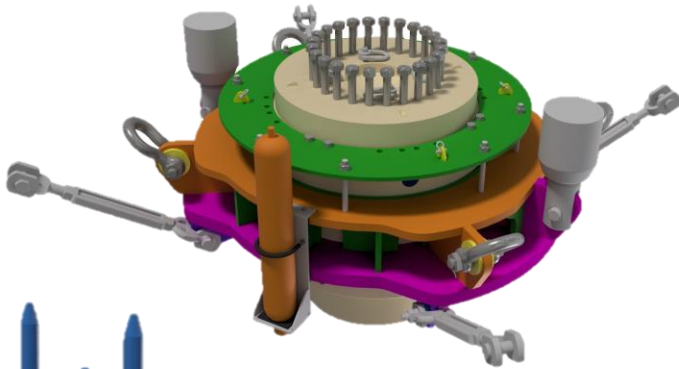
# Cranes



# PORTFOLIO 2024

## OFFSHORE GAS AND DRILLING:

- LIFTING AND HANDLING OF DRILLING EQUIPMENT





# PORTFOLIO 2024

## OFFSHORE GAS AND DRILLING:

- LIFTING AND HANDLING OF DRILLING EQUIPMENT

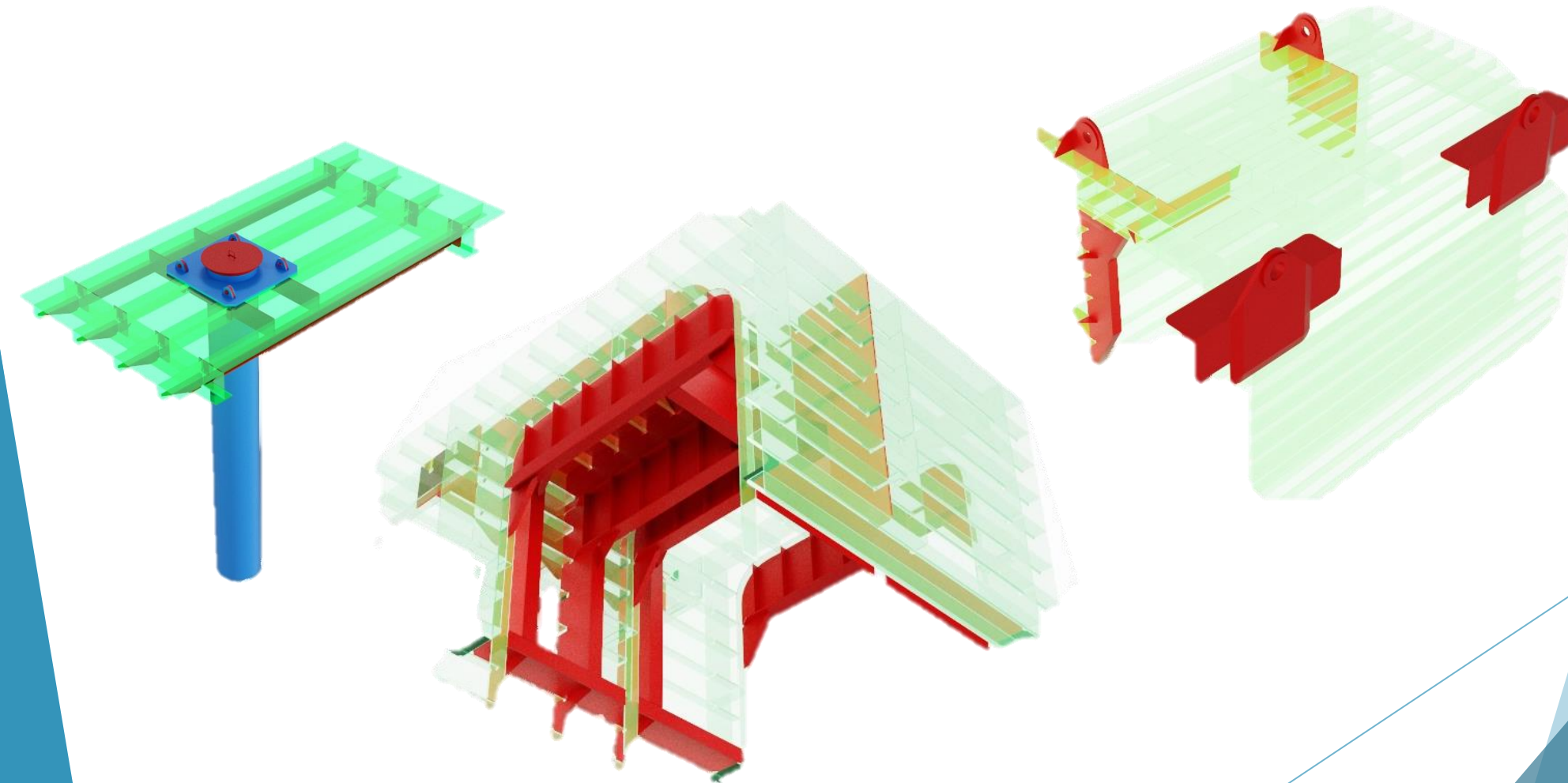




# PORTFOLIO 2024

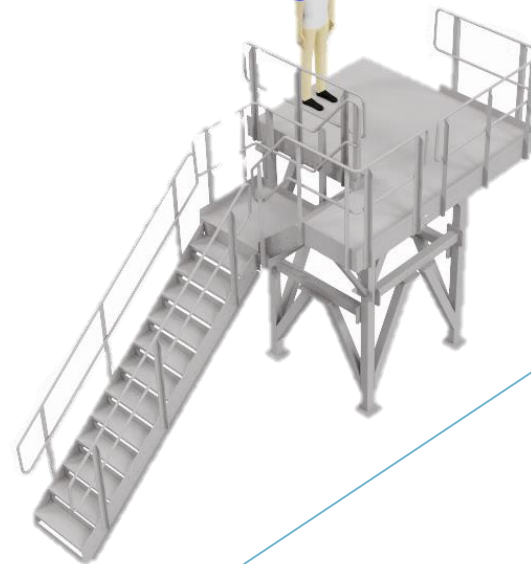
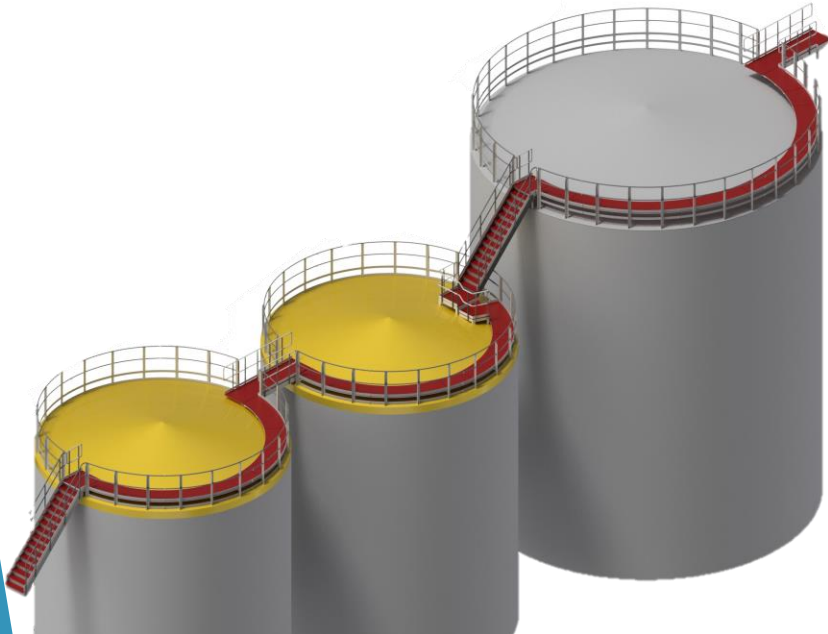
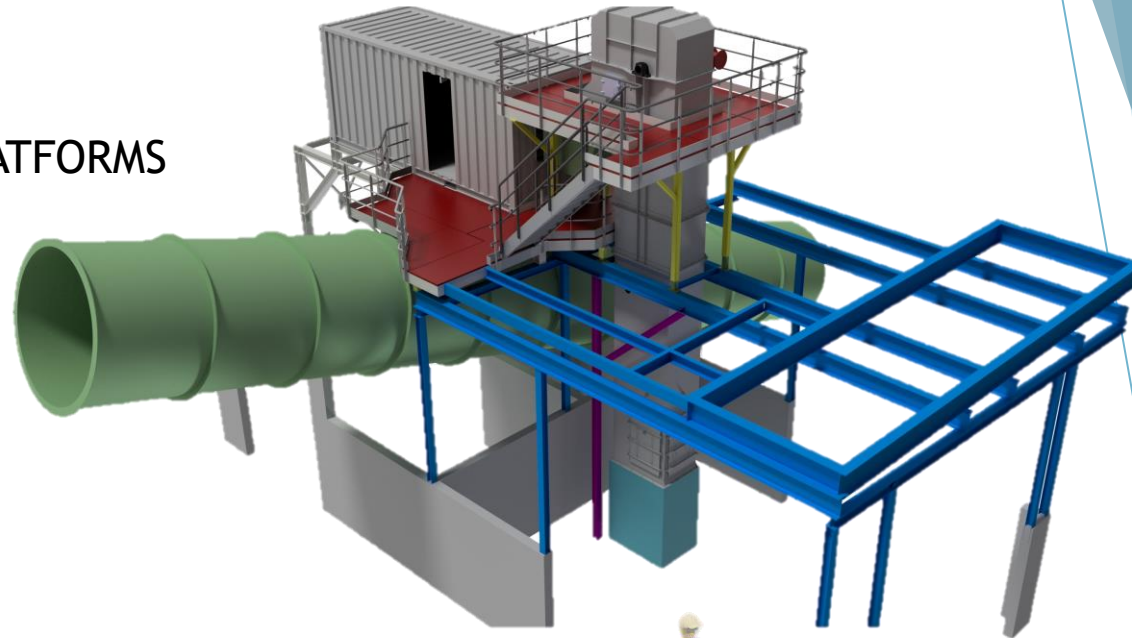
## OFFSHORE GAS AND DRILLING:

- DECK REINFORCEMENT AND EQUIPMENT INTEGRATION



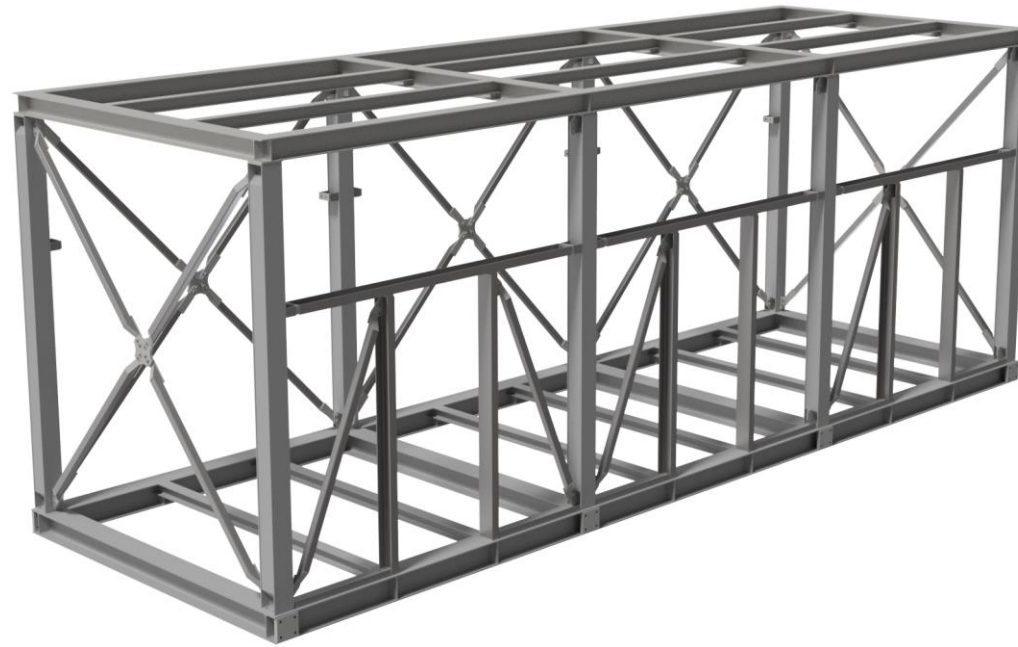
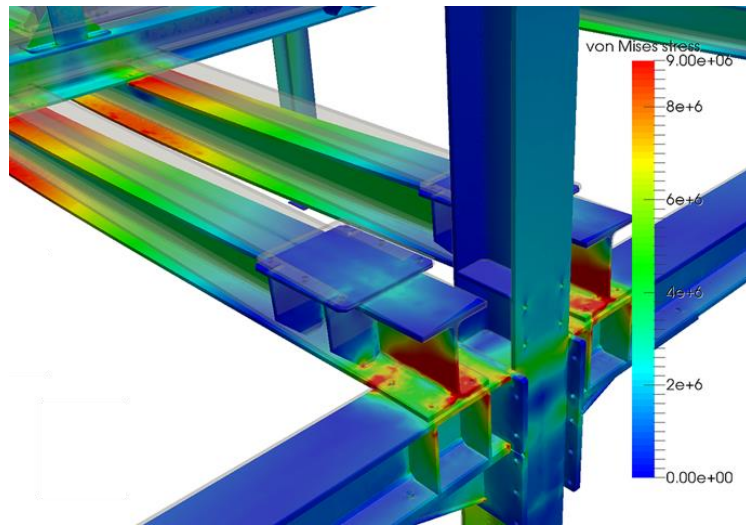
# PORTFOLIO 2024

- BUCKET ELEVATOR
- ONSHORE AND OFFSHORE ACCESS PLATFORMS



# PORTFOLIO 2024

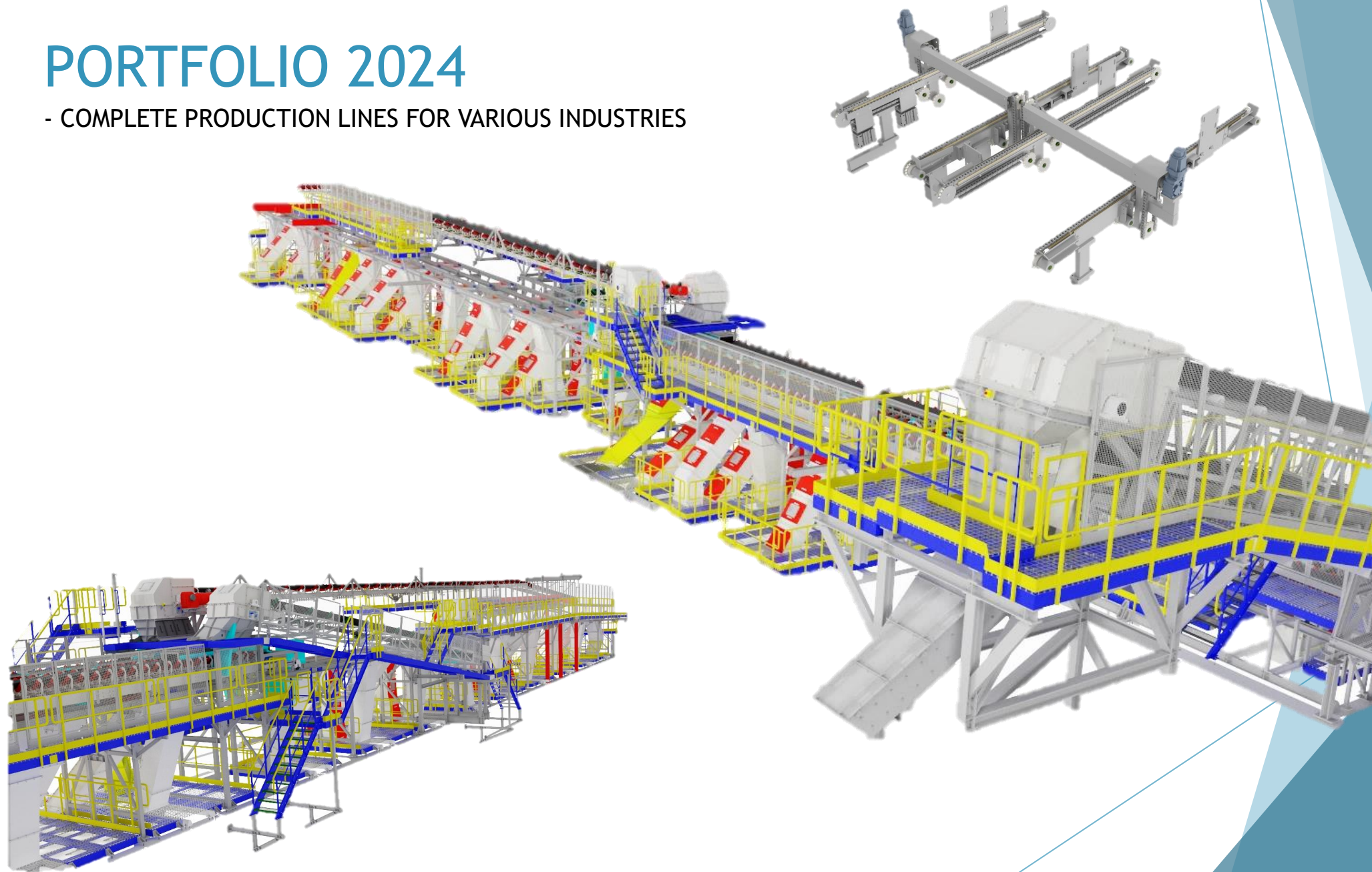
- SUPPORT AND BUILDING STRUCTURES





# PORTFOLIO 2024

- COMPLETE PRODUCTION LINES FOR VARIOUS INDUSTRIES





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