NOVADRAFT™

"Elevate Your Innovations"

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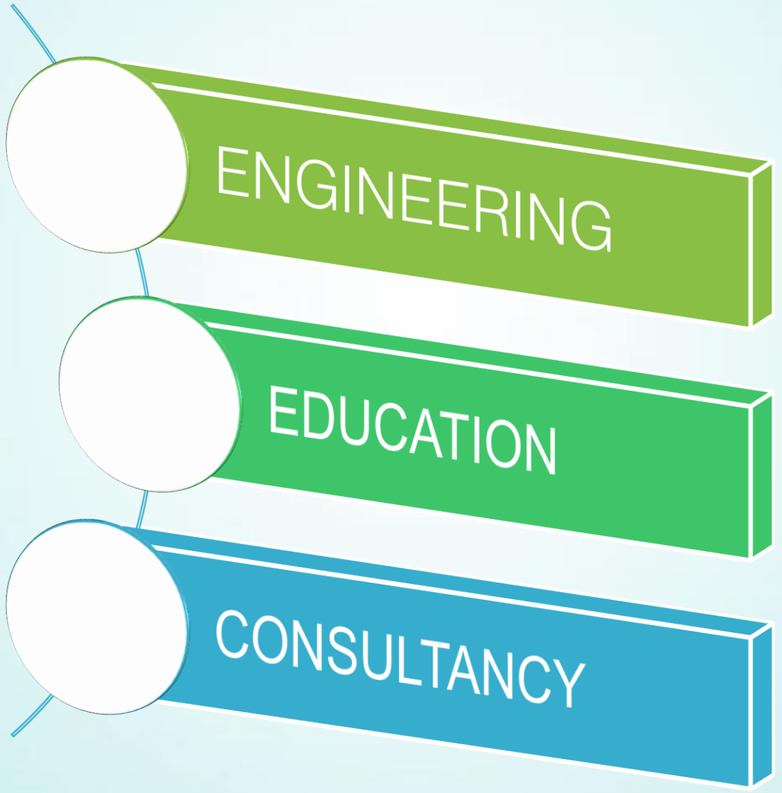
Who are we ?

Novadraft is a company that works on engineering, education and consultancy. We provide engineering, education and consultancy services that companies need in their production or production processes.

Our Services!



Engineering

Novadraft carries out the designs of the companies they serve, in accordance with the systematic design principles, by verifying the engineering calculations with the necessary analysis, and ensures the successful execution of the stages of mass production of the produced prototype.

Education

As Novadraft , our aim is to contribute to the development and education of qualified employees , especially needed in the industry , by providing technical trainings in accordance with world standards for engineering fields such as design , modeling , manufacturing and digital library (know-how) for the machinery sector.

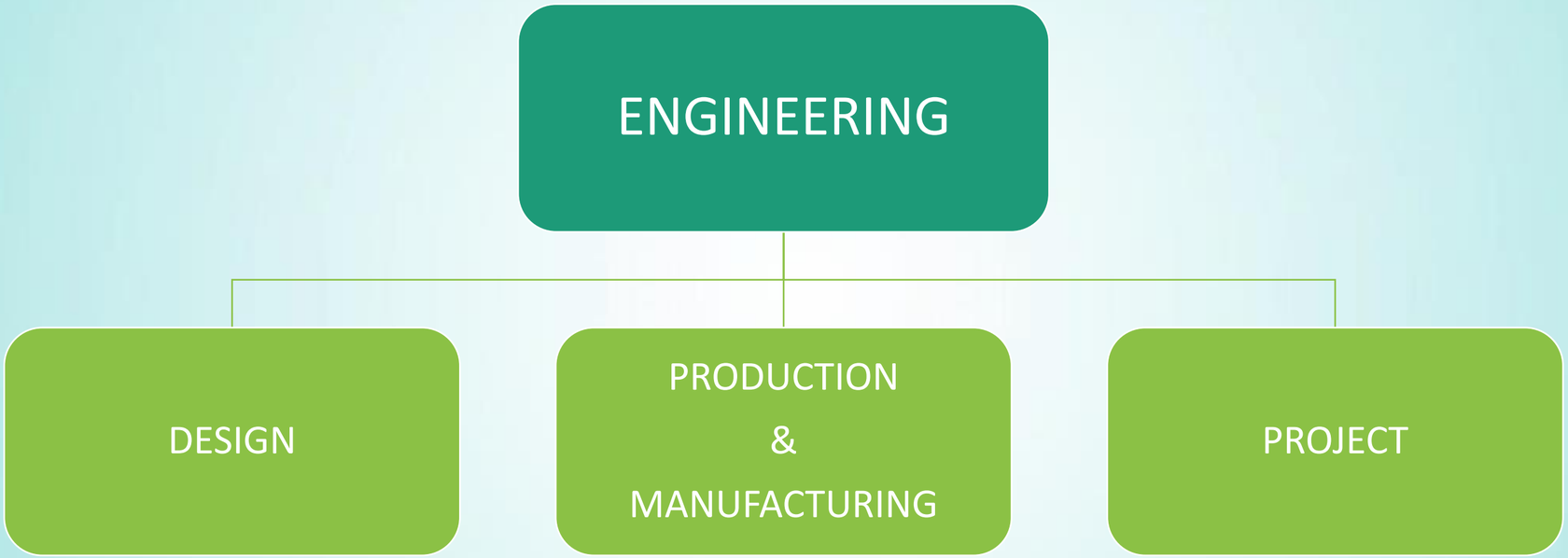
By providing education on basic production methods, reading and drawing technical drawings, 3D and 2D design programs, we contribute to the processes of carrying out the production processes of the companies in a more progressive and systematic way in accordance with their own disciplines.

Consultancy

Novadraft, machinery manufacturing sector, industrial facilities (Cement, gypsum, etc.), defense and aerospace industry, mining sector, with our expert staff in the fields of engineering activities, we offer innovative solutions in accordance with world standards in the issues you need for your business.

Within this process, we contribute to the companies in using the processes more efficiently by identifying new ideas that will increase the design and production speeds.

We also contribute to companies in the creation of a project library (Know-How) and the adaptation of this created library to the existing ERP (Enterprise Resource Planning) system.


ENGINEERING
DESIGN
PRODUCTION
&
MANUFACTURING
PROJECT

Design

- 3D part modelling
- 3D product modelling
- 3D machine modelling
- Preparation of 2D manufacturing drawings
- Preparing the welding drawing
- Preparing the P&ID drawing
- Preparation of maintenance and repairing drawings
- Preparation of user manuals
- Product visualization (Render)
- Concept machine designs
- Industrial design

Production & Manufacturing

Machinery manufacturing Agriculture, Mining (gypsum, cement, lime, coal, iron etc.)

Machinery manufacturing (special automation machines and other machines as needed)

Parts Manufacturing (spare parts, sample parts, damaged parts or other special parts)

Mold manufacturing (connecting moulds, cutting moulds, casting moulds)

Reducer (gear box) manufacturing

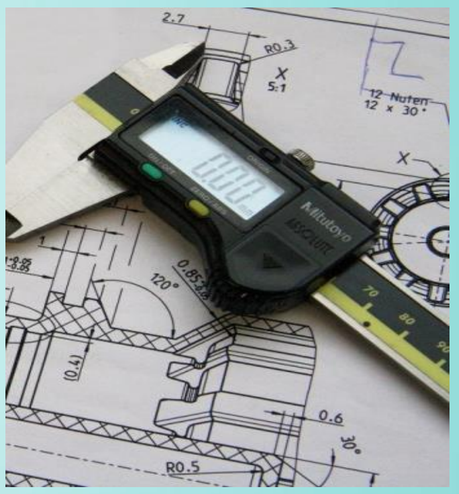
Welding fixture manufacturing

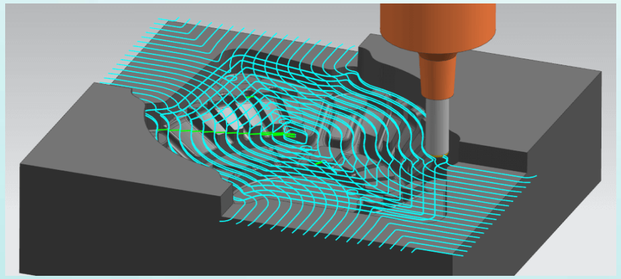
Project

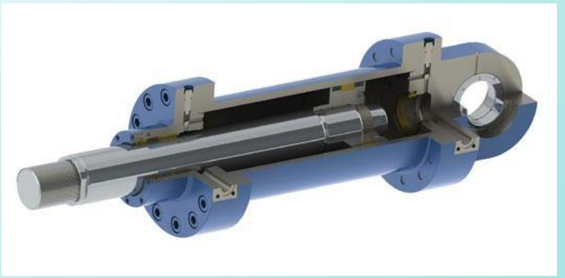
- Deducting Projects (Glass, cement, plaster, iron and steel etc.)
- Vertical and horizontal transport systems (Belt conveyor, screw conveyor, elevator, etc.)
- Dosing and weighing systems (weighing belts, weighing bunkers, volumetric dosing bunkers, etc.)
- Crushing-Screening Systems
- Micronized grinding and separation systems
- Special projects
- Agricultural Machinery (Vertical and horizontal rotavator, Seeder etc.)

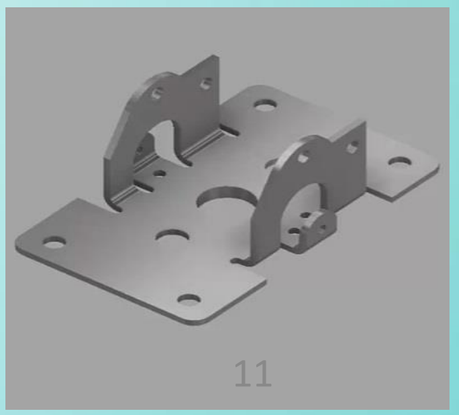
Education

- Basic Technical Drawing
- Advanced Technical Drawing
  - Requirement-cost optimization in machine drawing
  - Issues to be considered in the preparation of technical drawings of various manufacturing groups (machining, sheet metal, welded chassis designs, etc.)
- Machine Design
- Sheet Metal Design
  - Sheet Metal Design on Machines
  - Sheet Metal on Industrial Piping (Reduction, Elbow, Cyclone, Silo Designs)
  - Considerations on Sheet Metal Bending
  - The Effect of K Factor on Flatten
- Materials
- Tolerances
  - Geometrik Tolerances (ISO GPS & ASME-Y14.5)
  - Dimension Tolerances
  - General Tolerances (ISO 2768)
- Measurement and Control
- Parametric Design
- Basic Level Hydraulic-Pneumatics
- Industrial Hydraulic-Pneumatics
- Systematic (conceptual) Design Process
- Standard Machine Elements
- Powertrain Design
- CNC Programming and Operator
- CAM Applications (SolidCAM, Gibbscam)









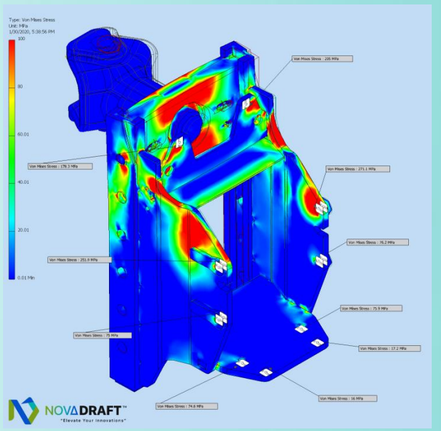
Education

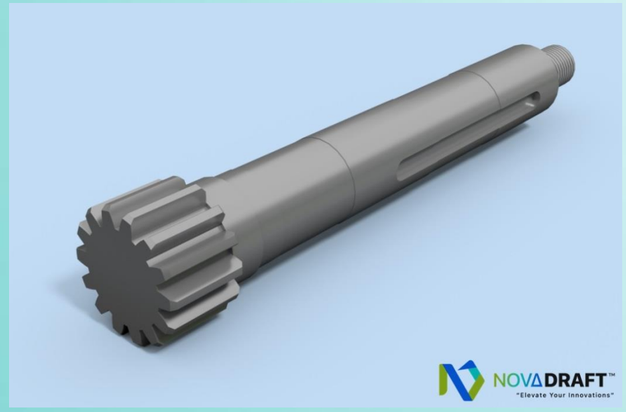
Standard and Advanced Autodesk Inventor Tutorials

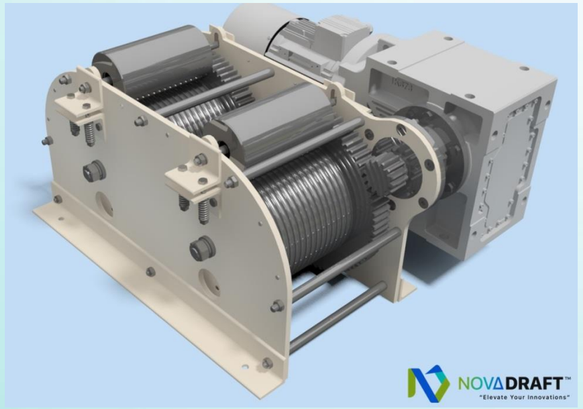
- Part Modeling
- Sheet Metal Modeling
- Assembly
  - Design Accelerator
  - Using the Standard Machine Elements Library
- Technical Drawing
- Simulations
- Static Analysis (Part and Assemblies)

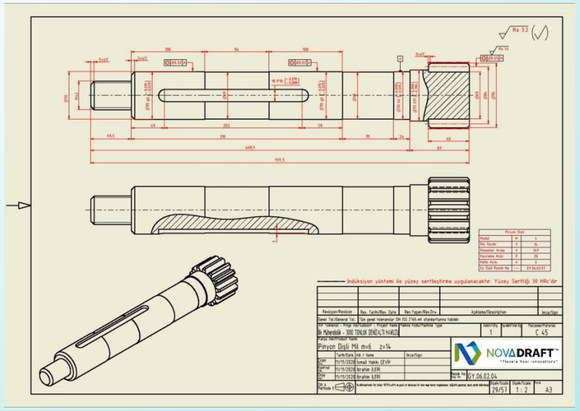
Standard and Advanced SolidworksTutorials

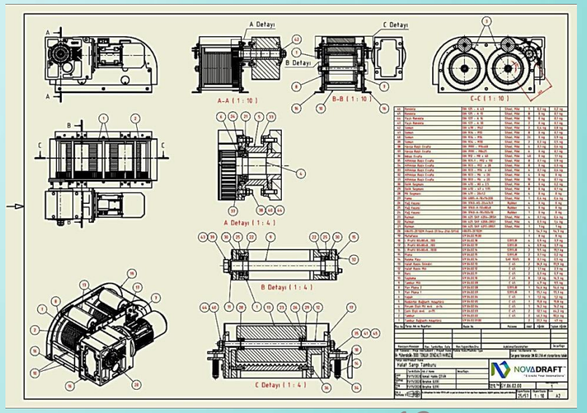
- Part Modeling
- Sheet Metal Modeling
- Assembly
  - Using the Standard Machine Elements Library
- Technical Drawing
- Simulations
- Static Analysis (Part and Assemblies)









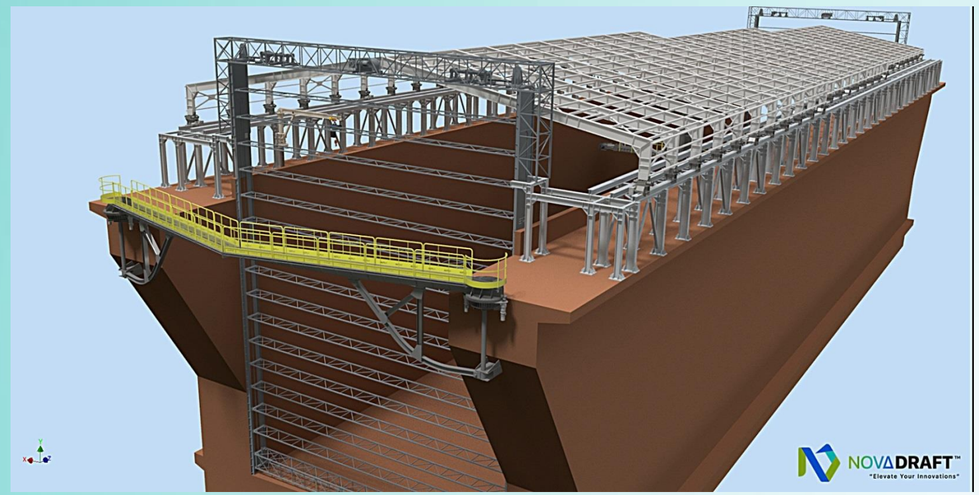


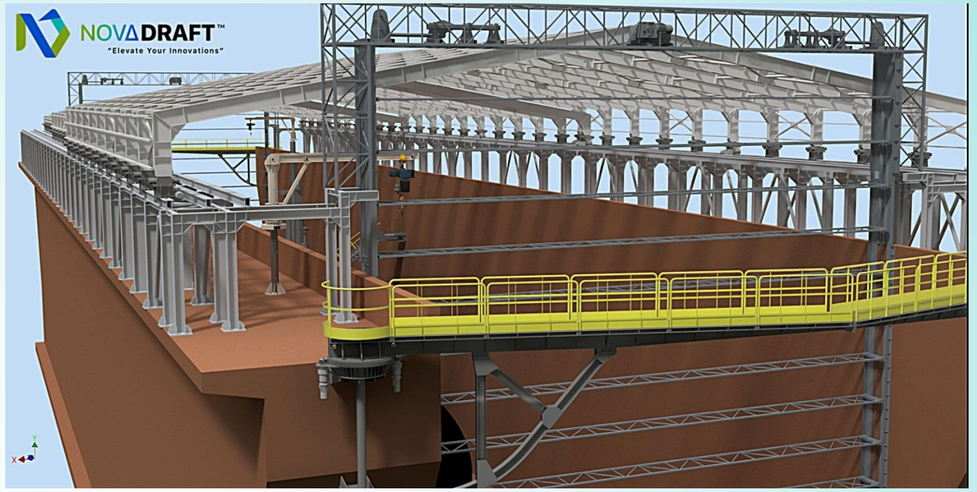
Consultancy

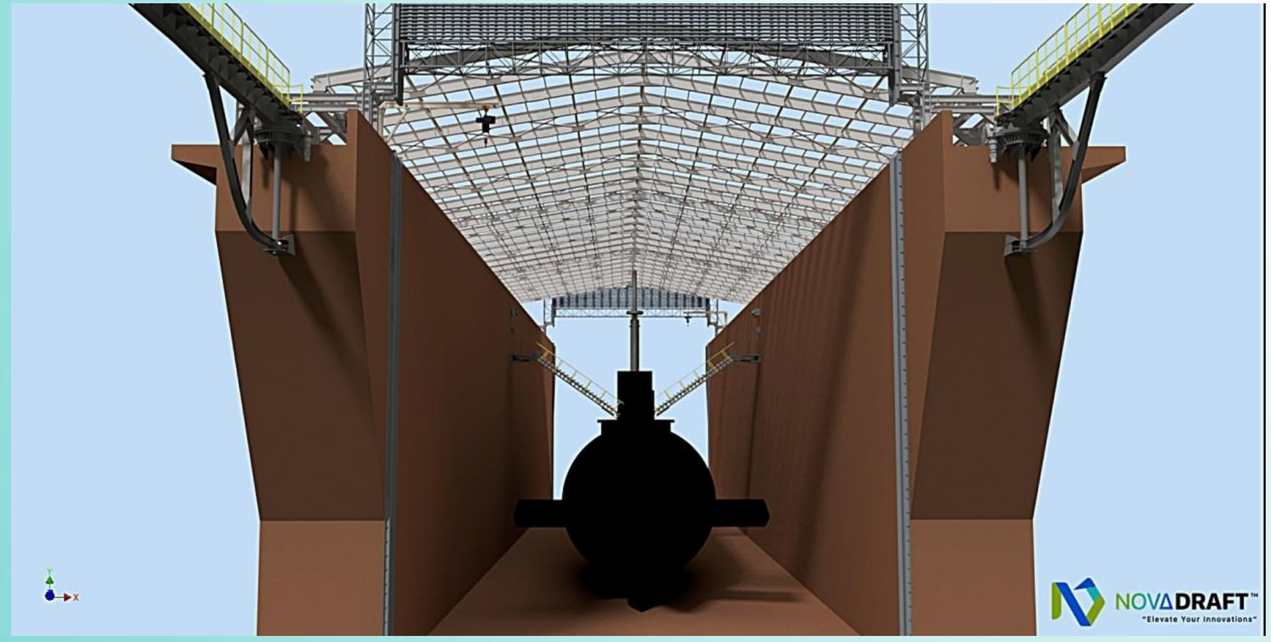
- Determination of manufacturing operations (work preparation)
- Design consultancy
- Creating a project archive compatible with ERP Systems and digital library studies.
- Static-Dynamic strength analysis (Autodesk Inventor-Ansys)
- Vibration (Frequency) analysis (Autodesk Inventor-Ansys)
- Flow Analysis (Ansys)

WORKS DONE

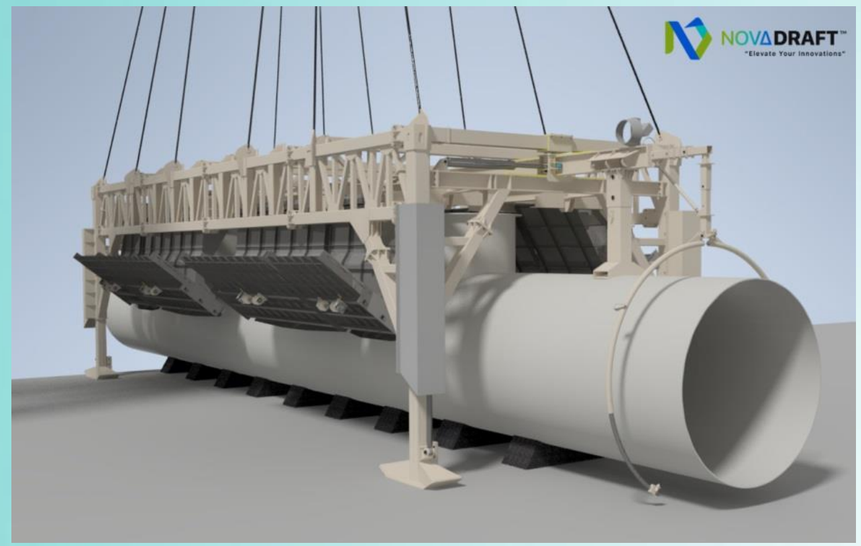
Submarine Maintenance Platform (YÜTEK)

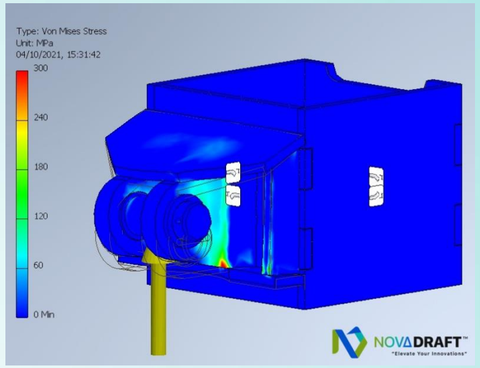


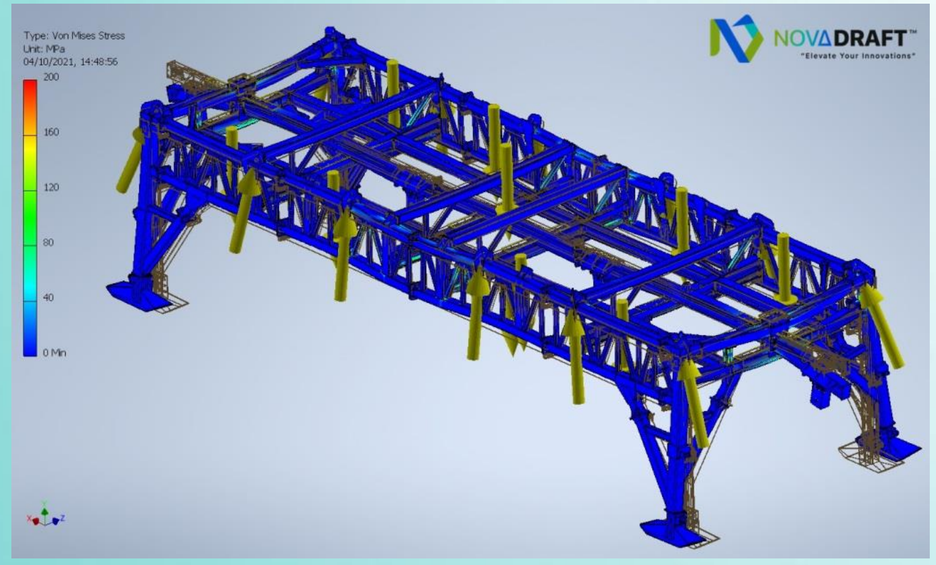


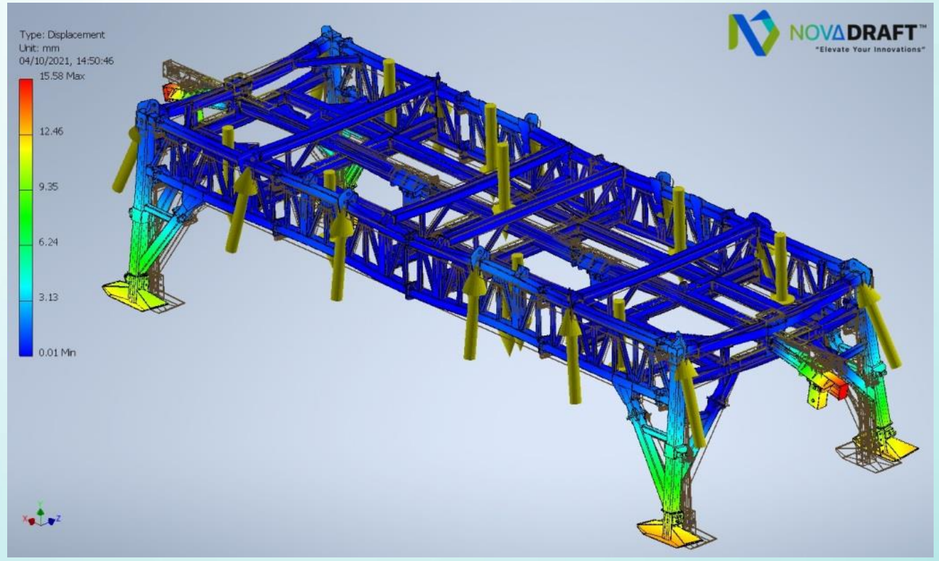


Pipe Assembly Machine (Sea Horse) (CENGİZ HOLDİNG)









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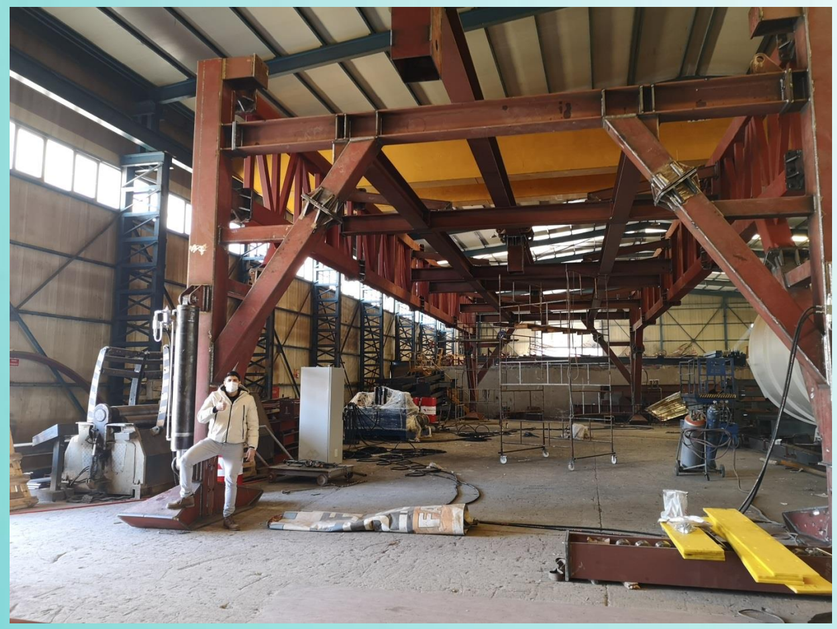
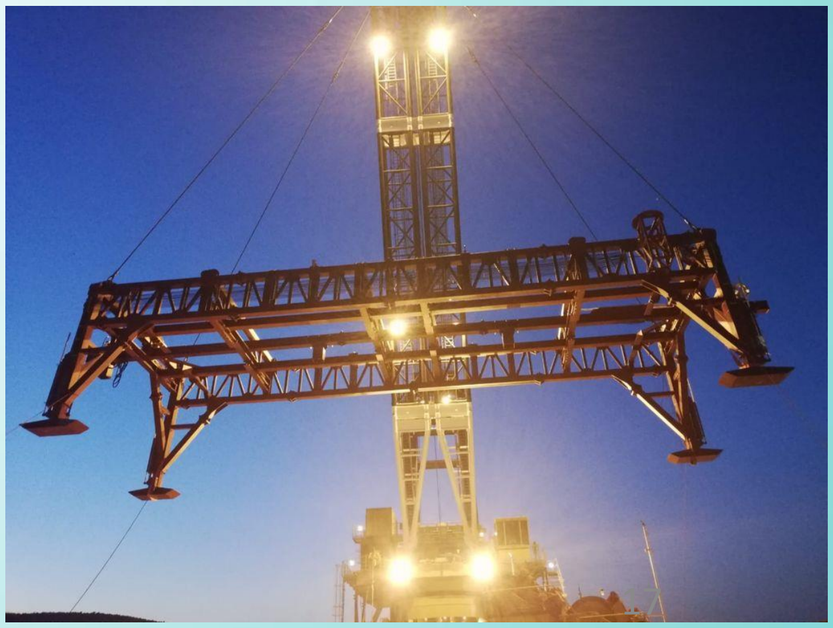
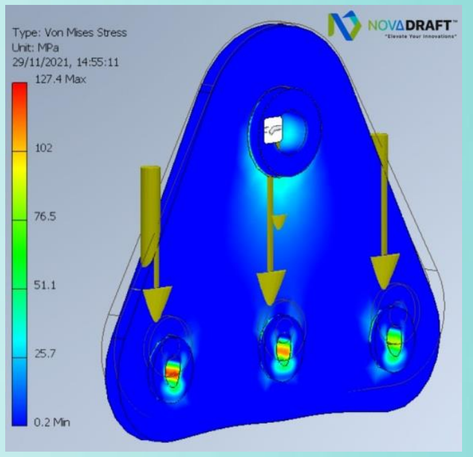
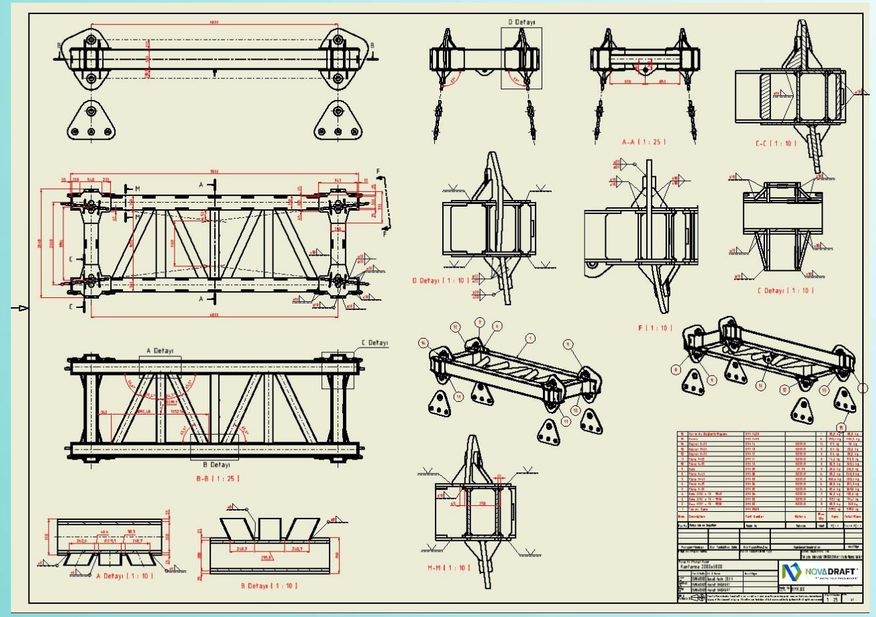
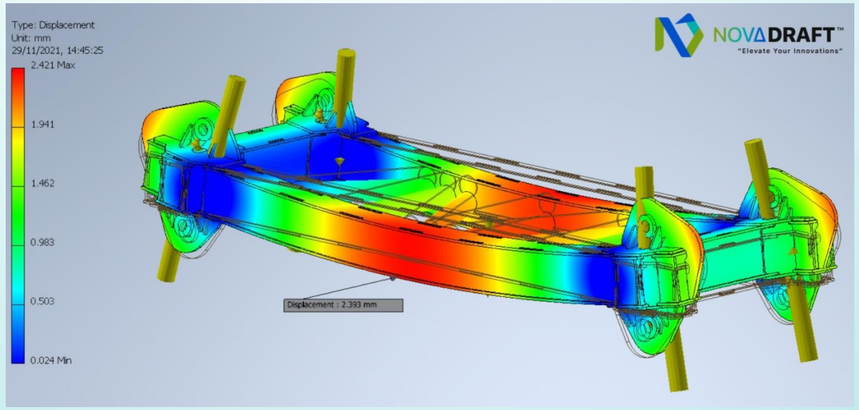


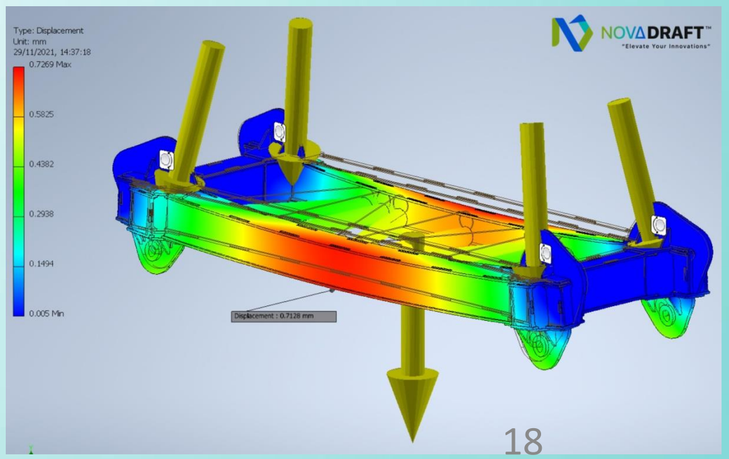


Sea Horse Lifting Traverse (CENGİZ HOLDİNG)



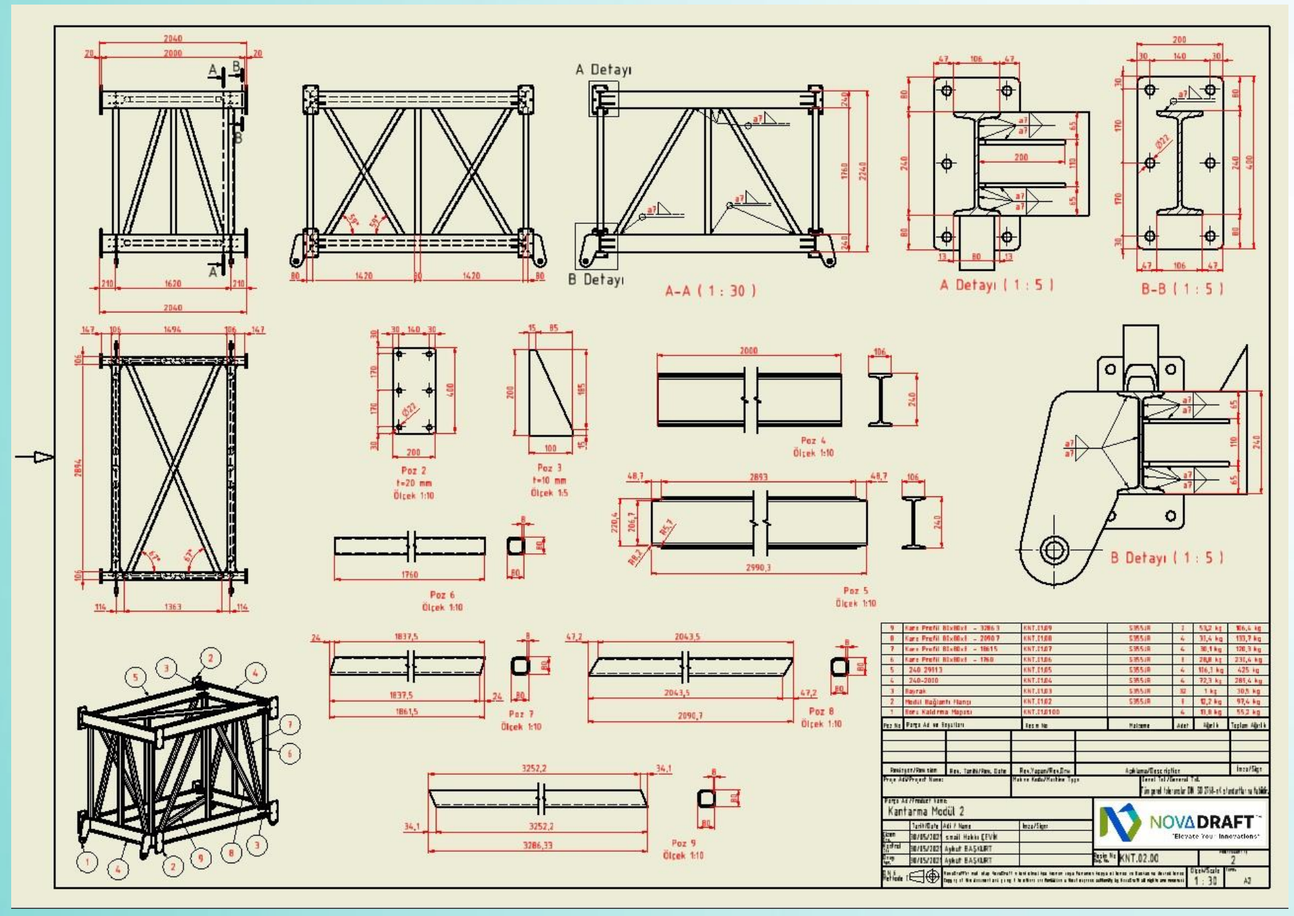


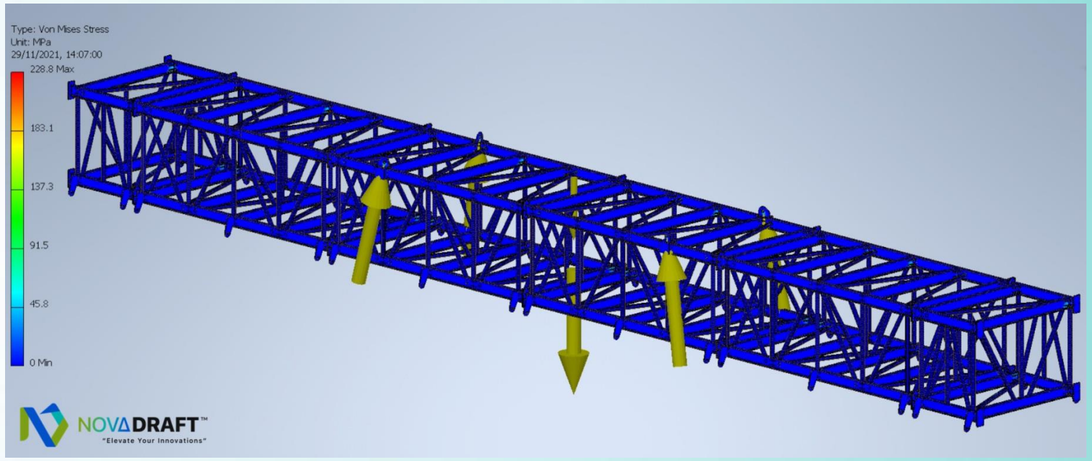


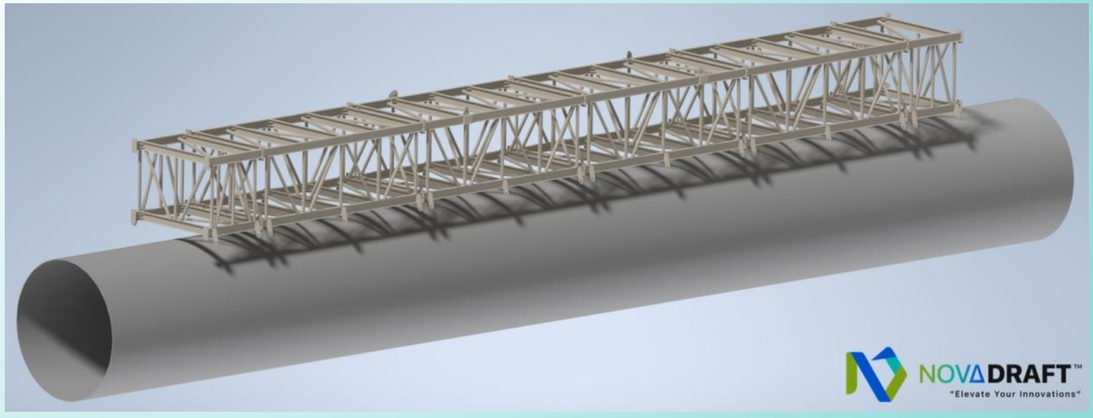


Sea Horse Lifting Traverse (CENGİZ HOLDİNG)

Pipe Lifting Beam (CENGİZ HOLDİNG)

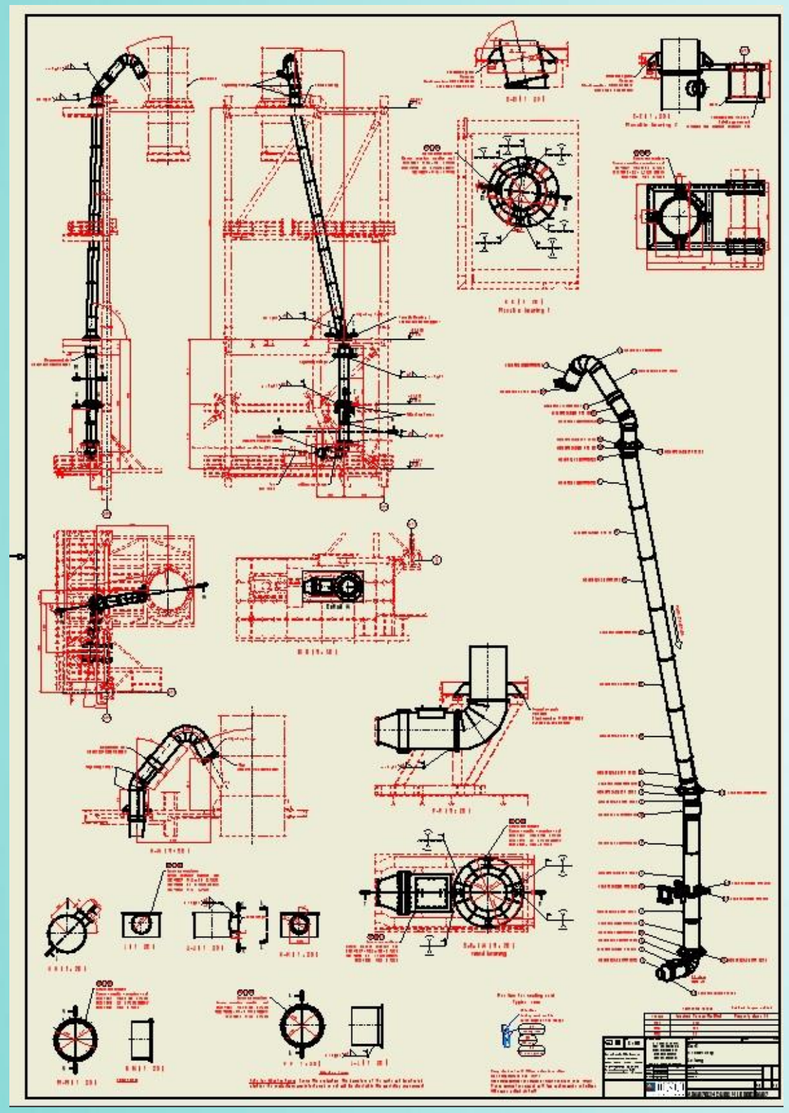






Pipe Lifting Beam (CENGİZ HOLDİNG)

Piping (IKN)



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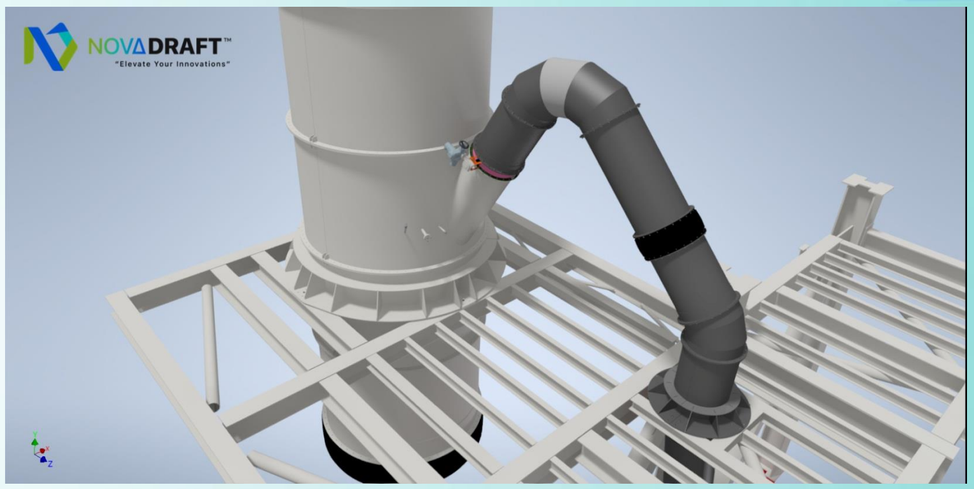
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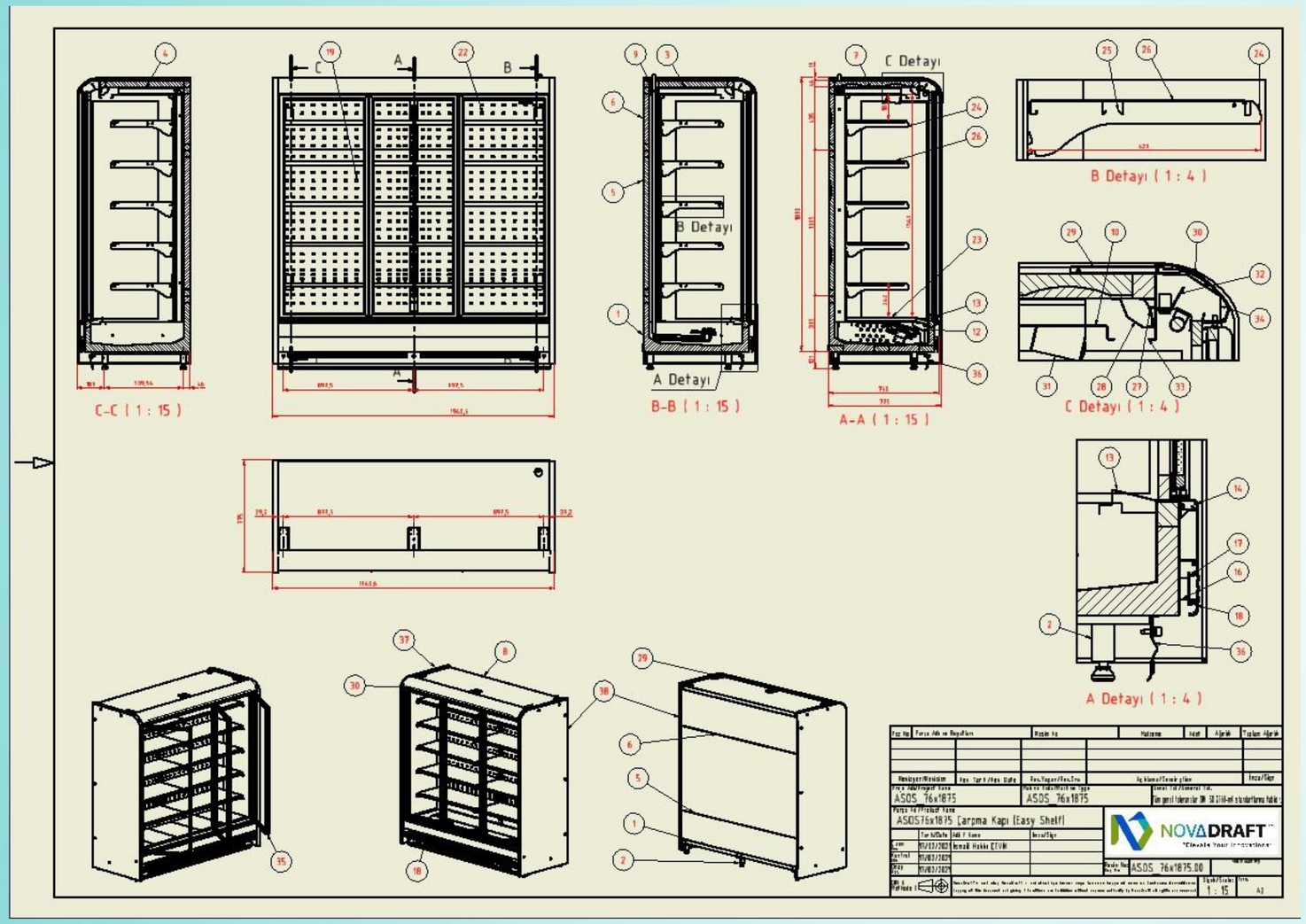
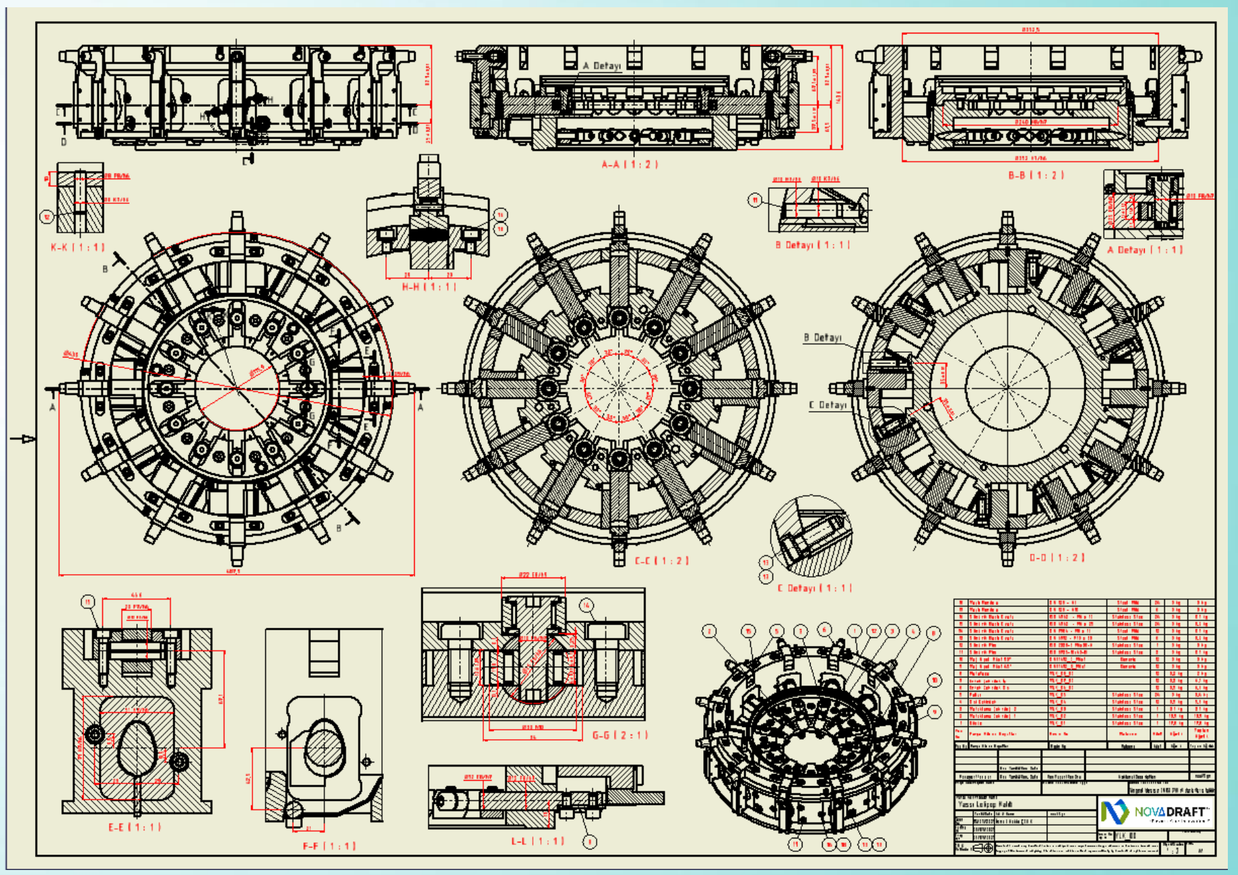
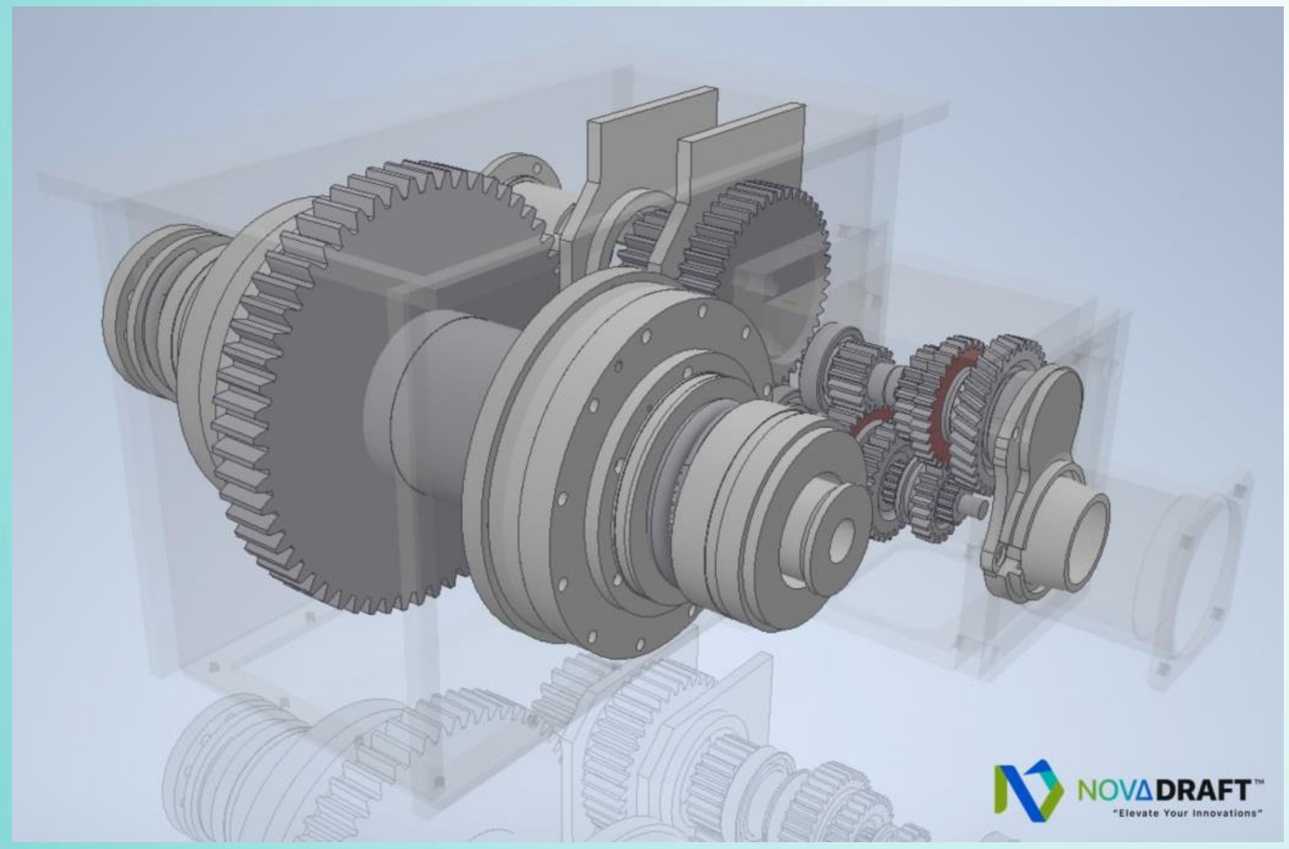
Refrigerated Cabinets (Library Studies)

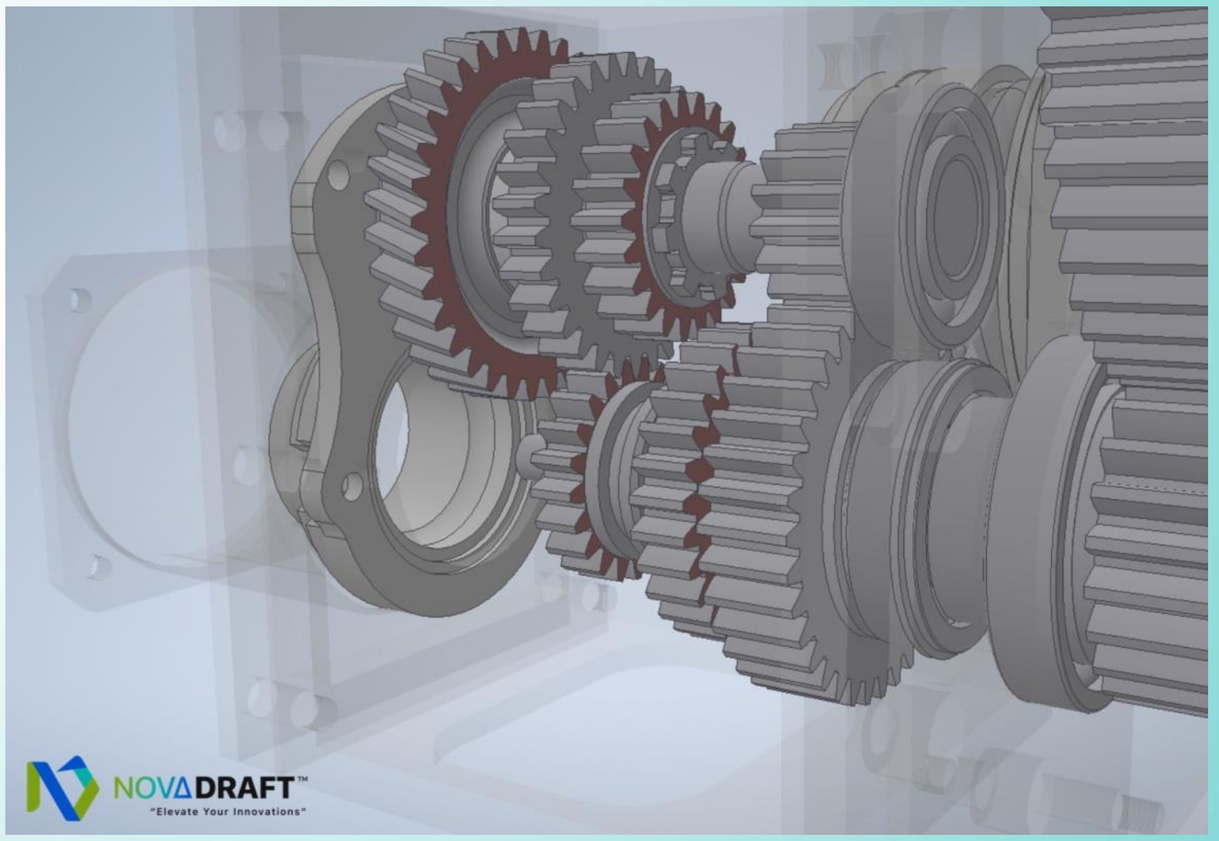


Rotary Lollipop Mold (DURUKAN)

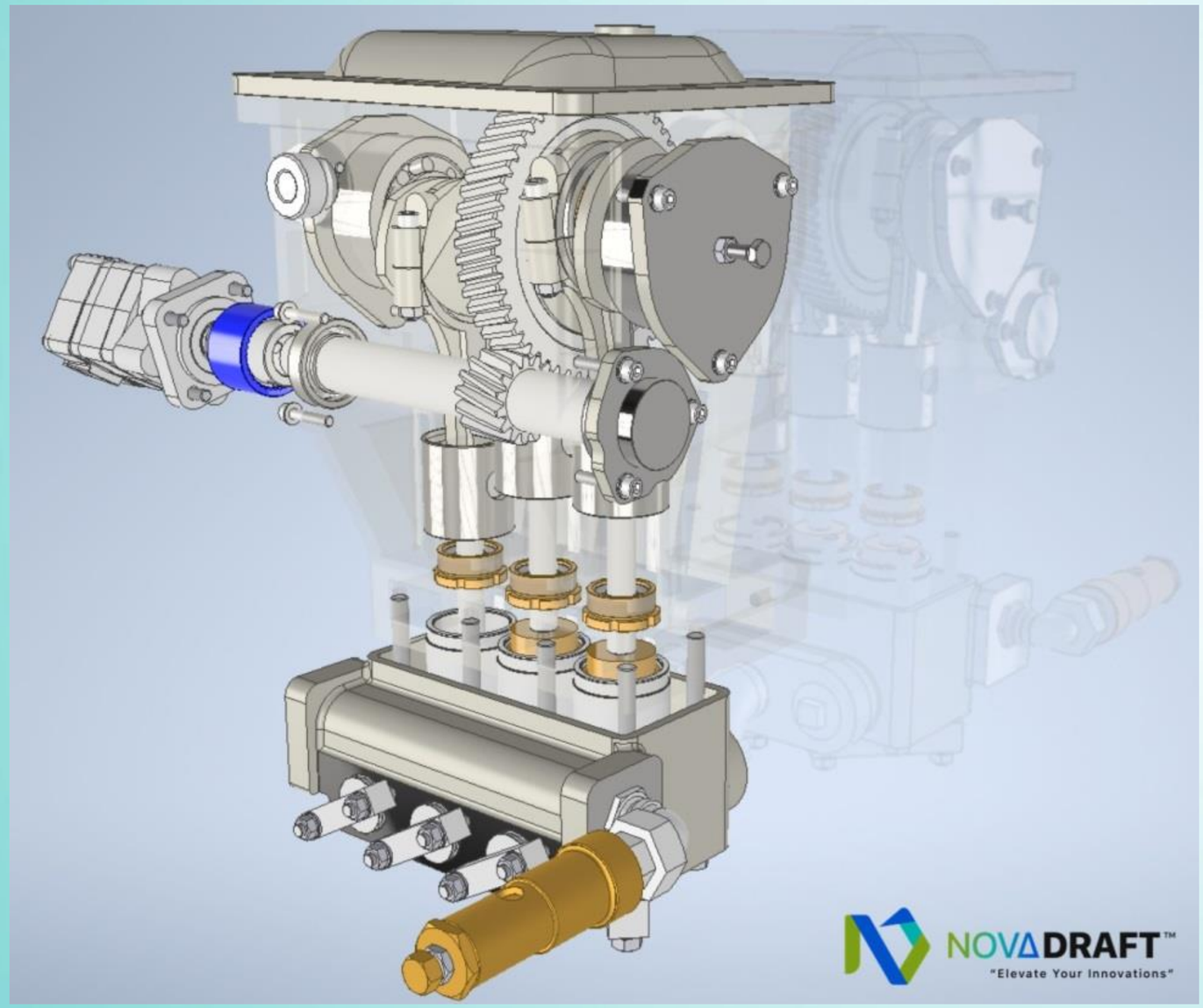


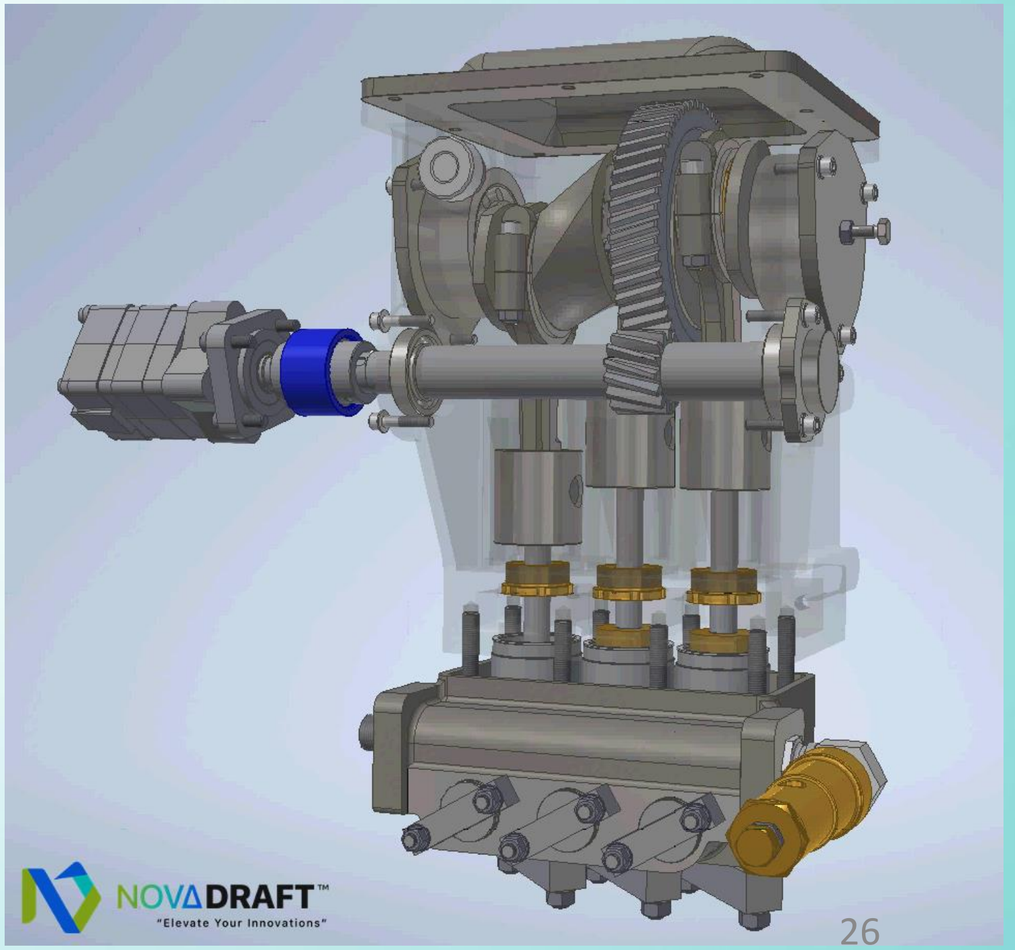
Drilling Machinery Morset Gear Box



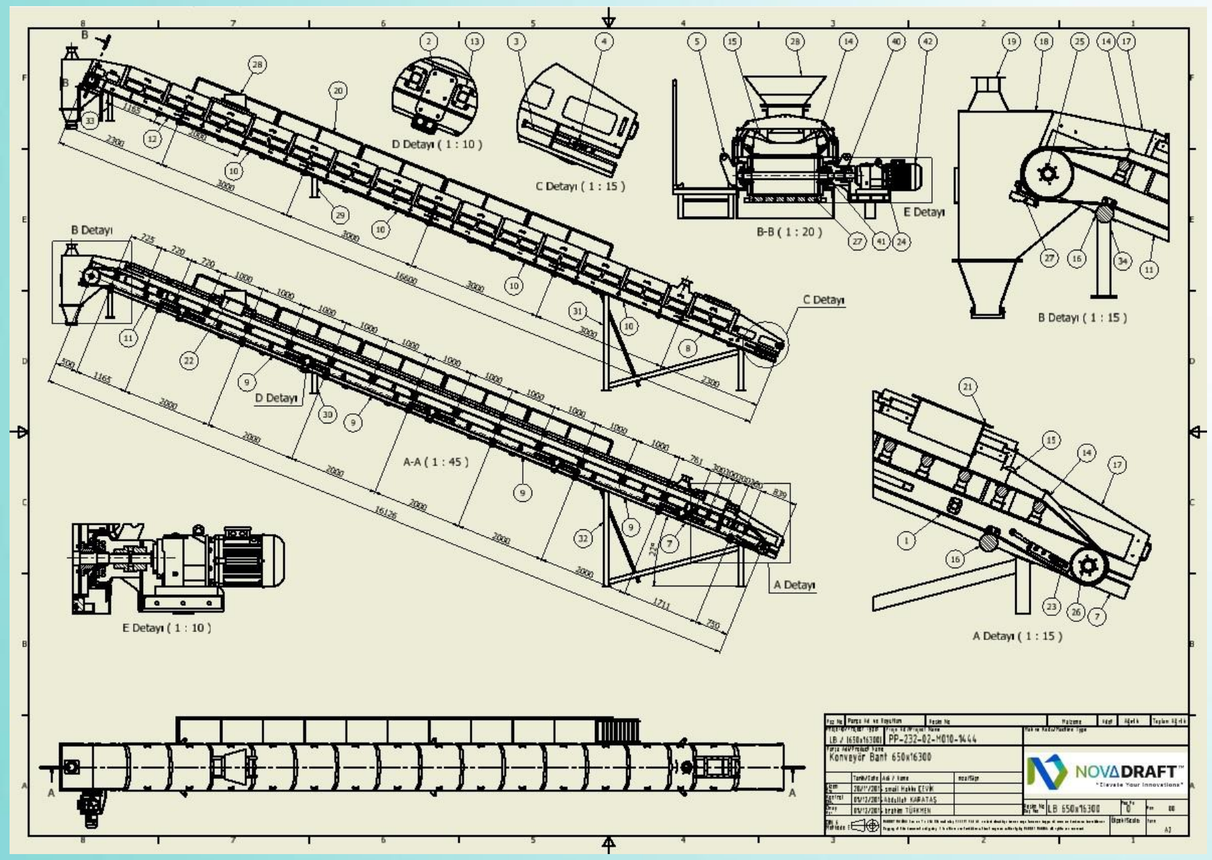


Drilling Machinery Mud Pump





Waterproof Belt Conveyor



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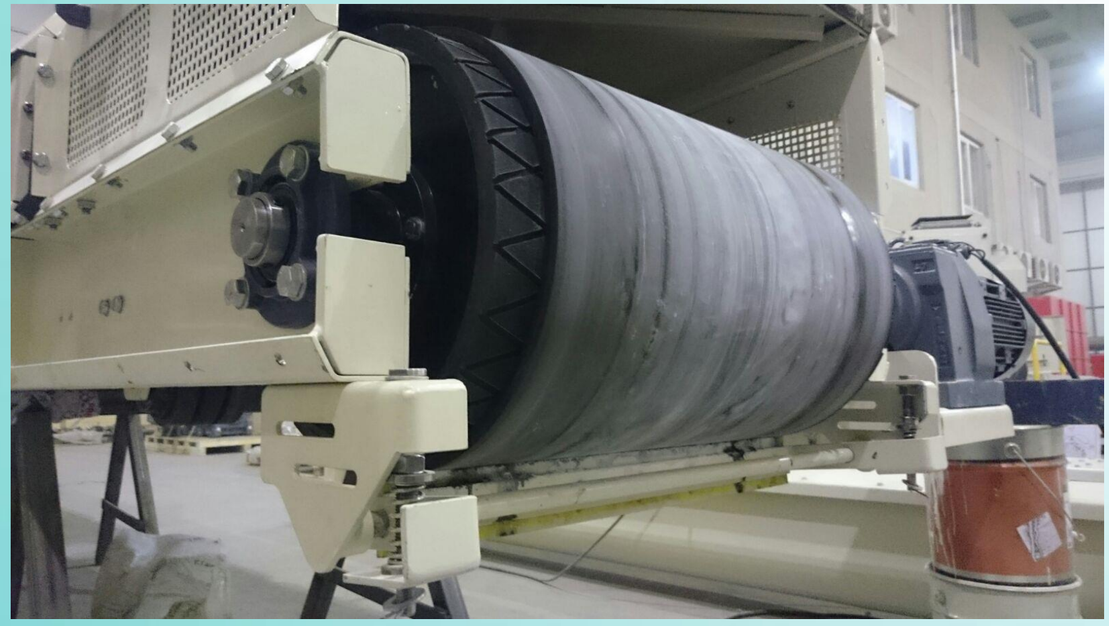
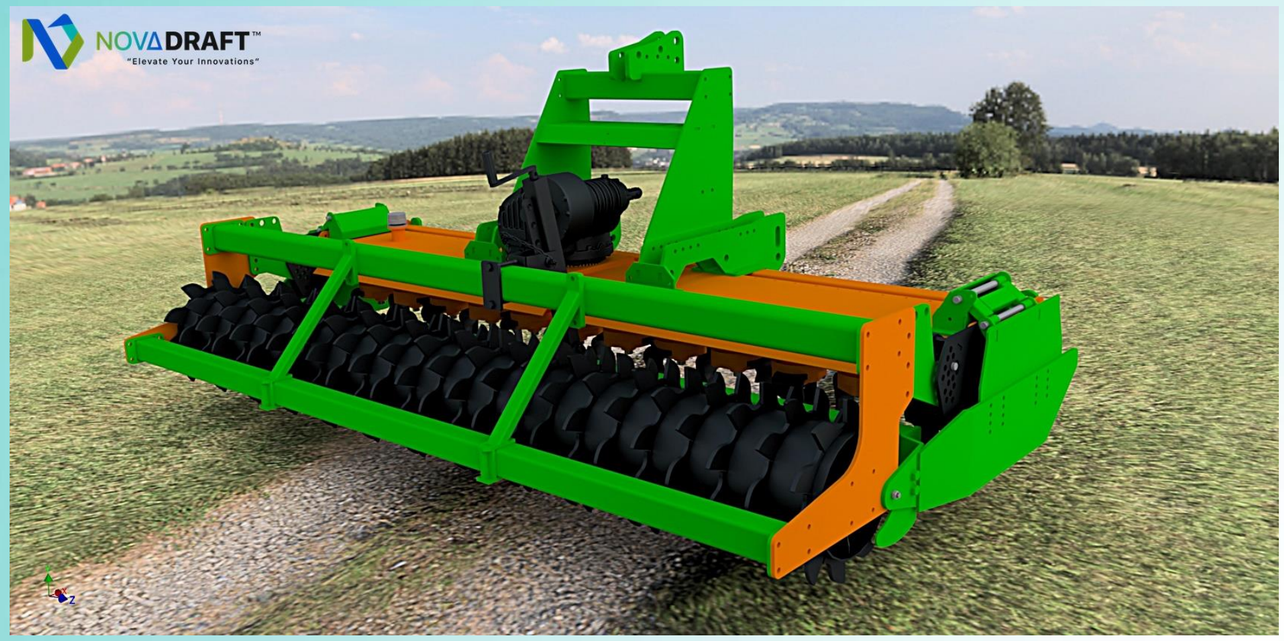
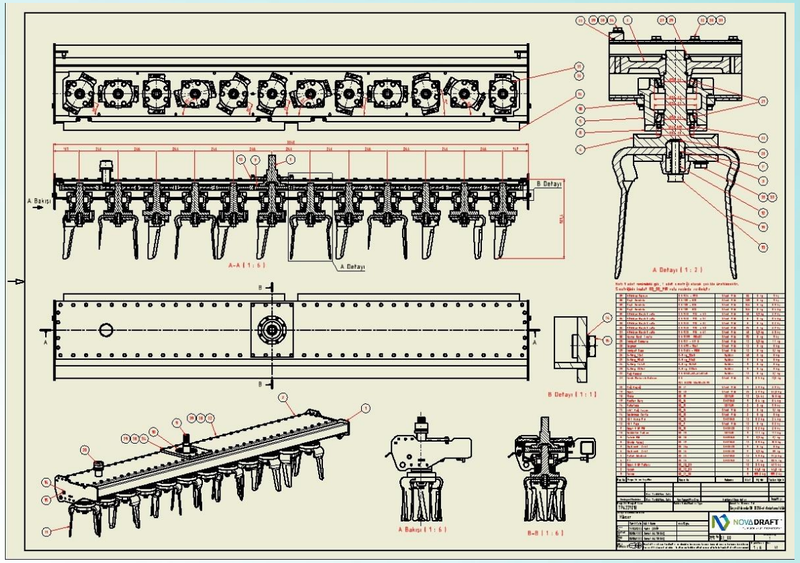
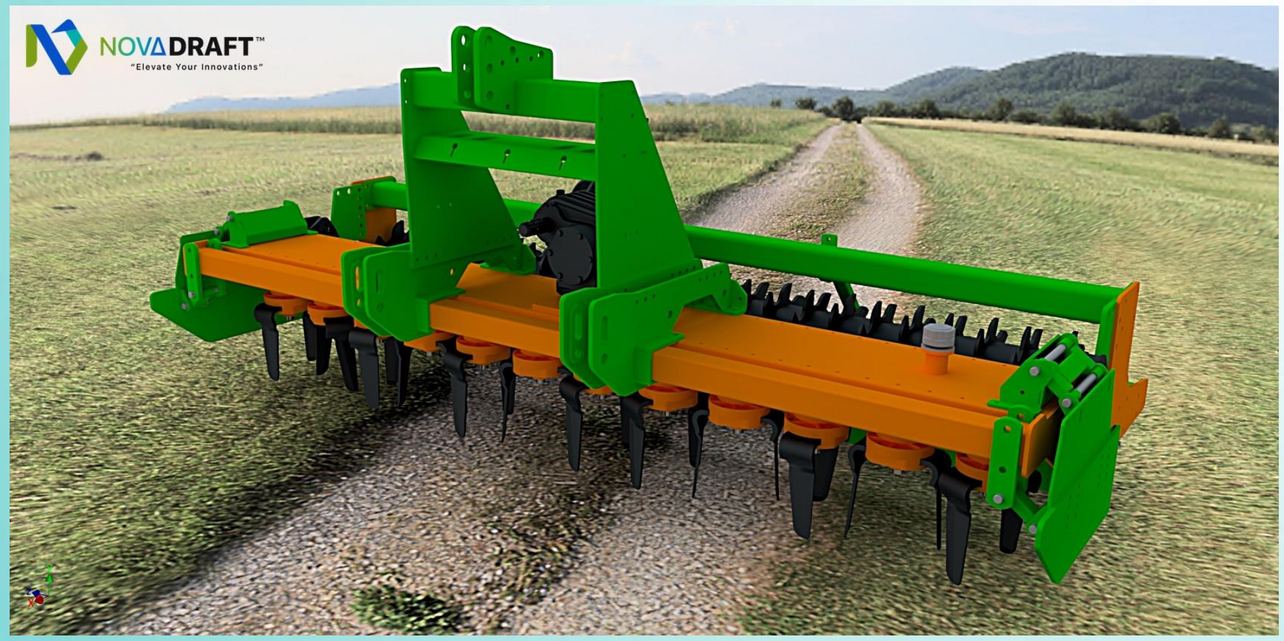


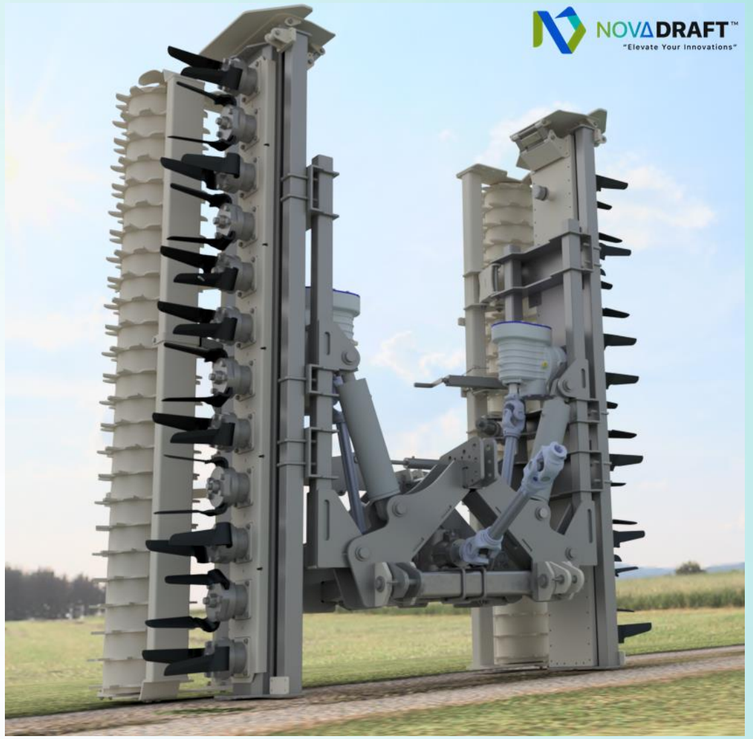
Power Harrows (Doğanlar Tarım)

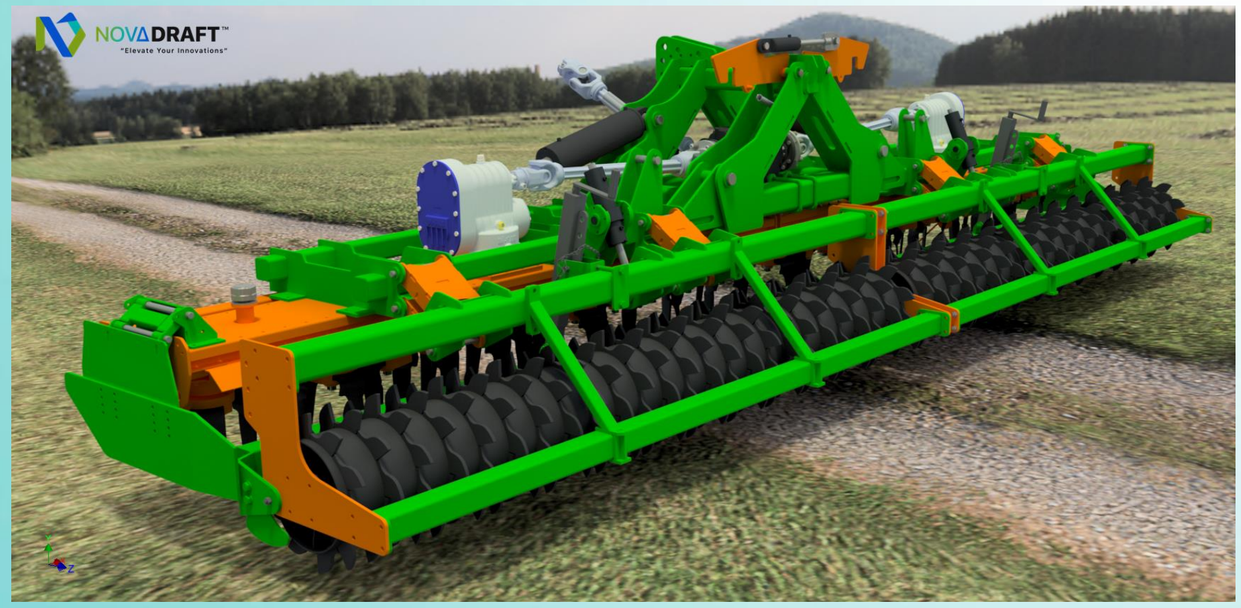


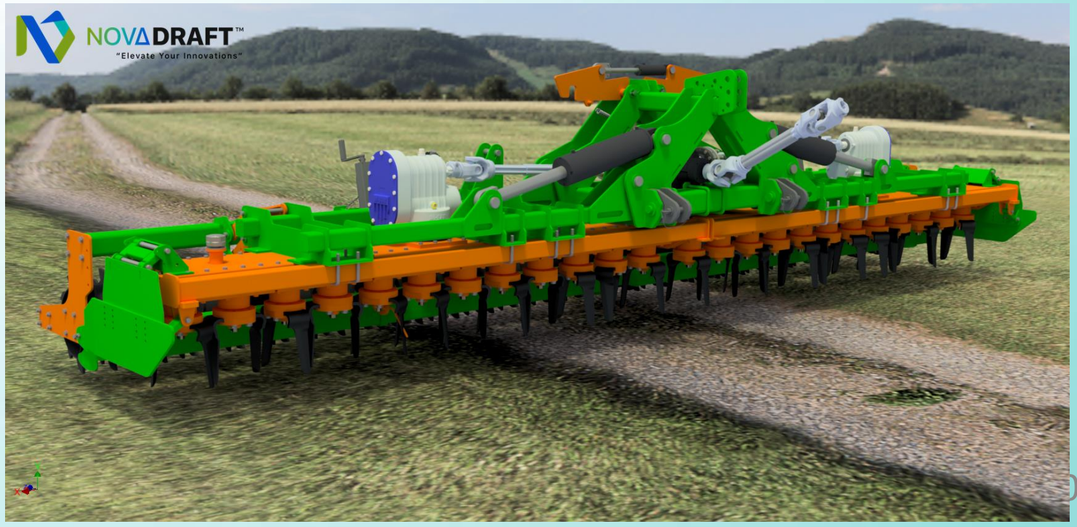




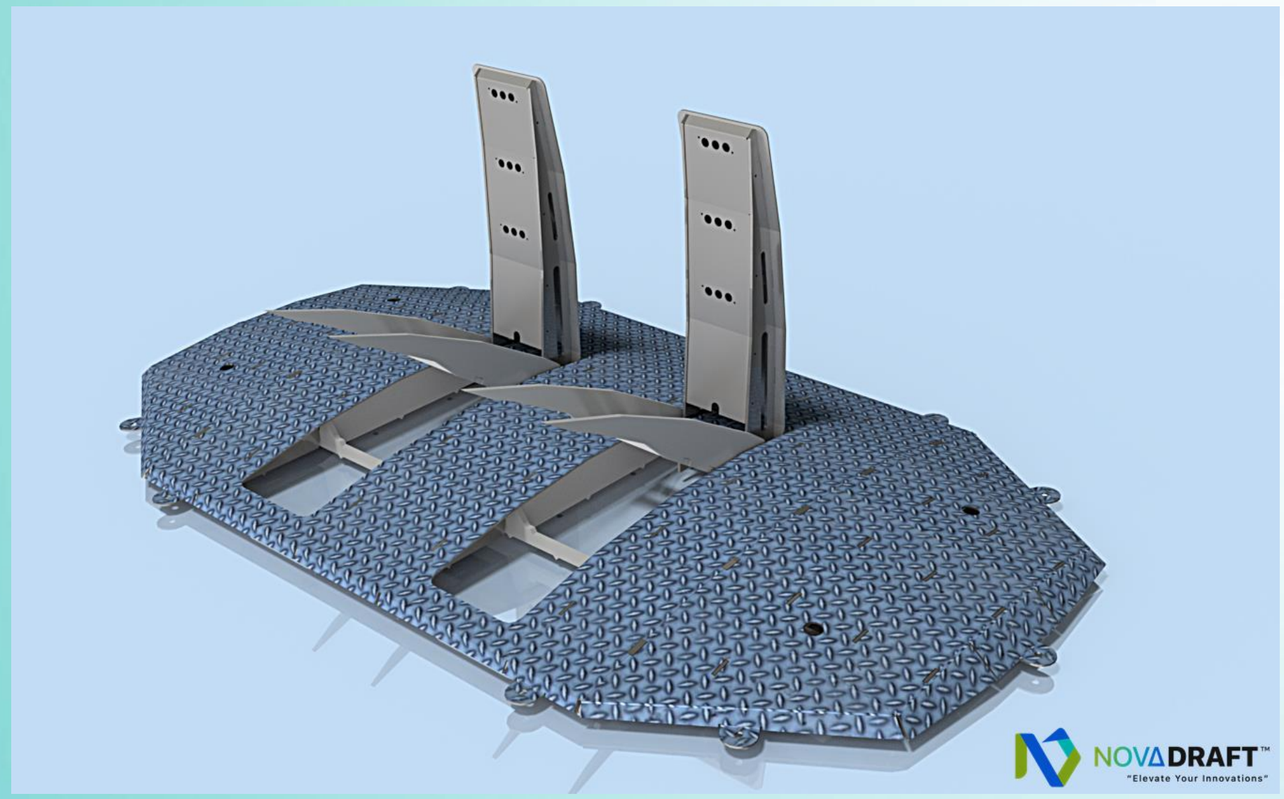
Folding Power Harrows (Doğanlar Tarım)







Road Blocker



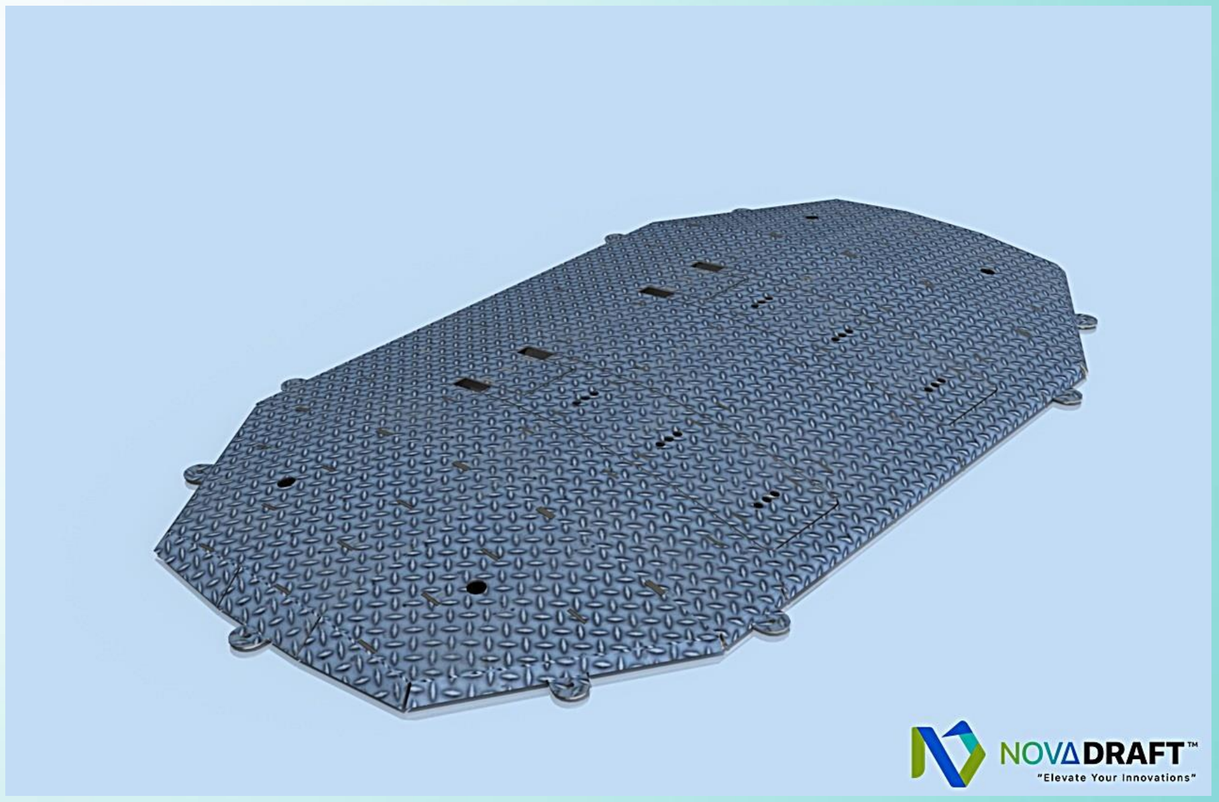
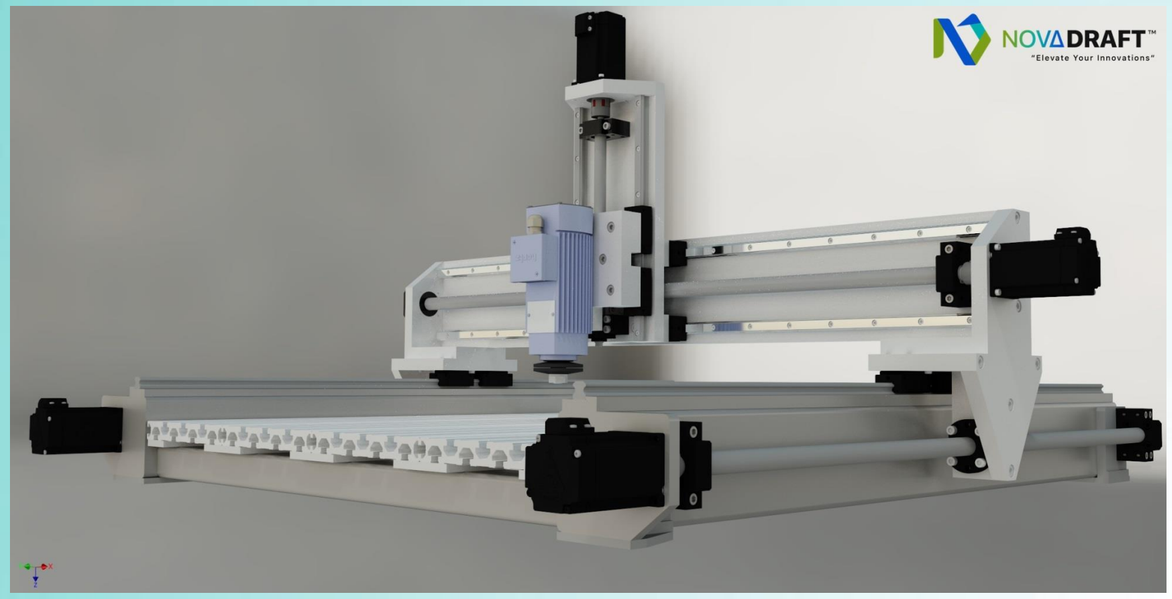
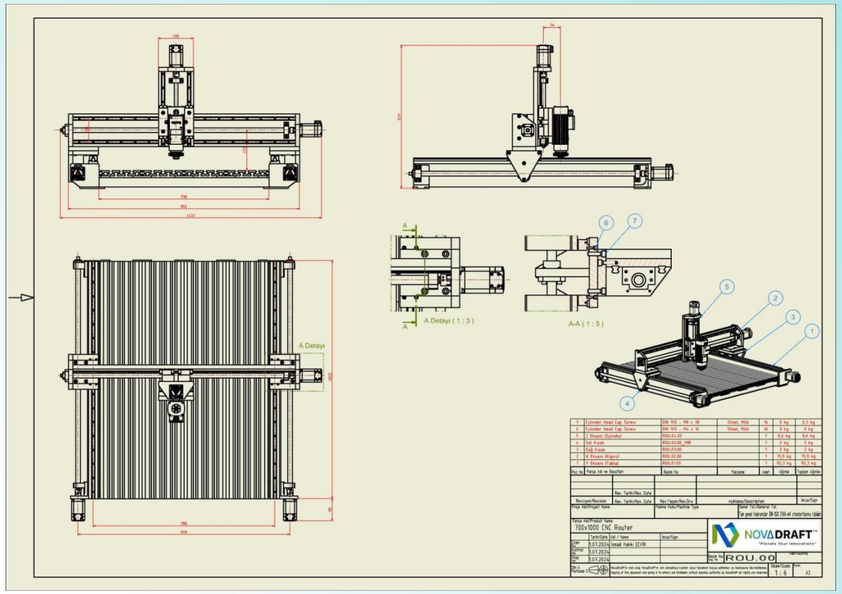
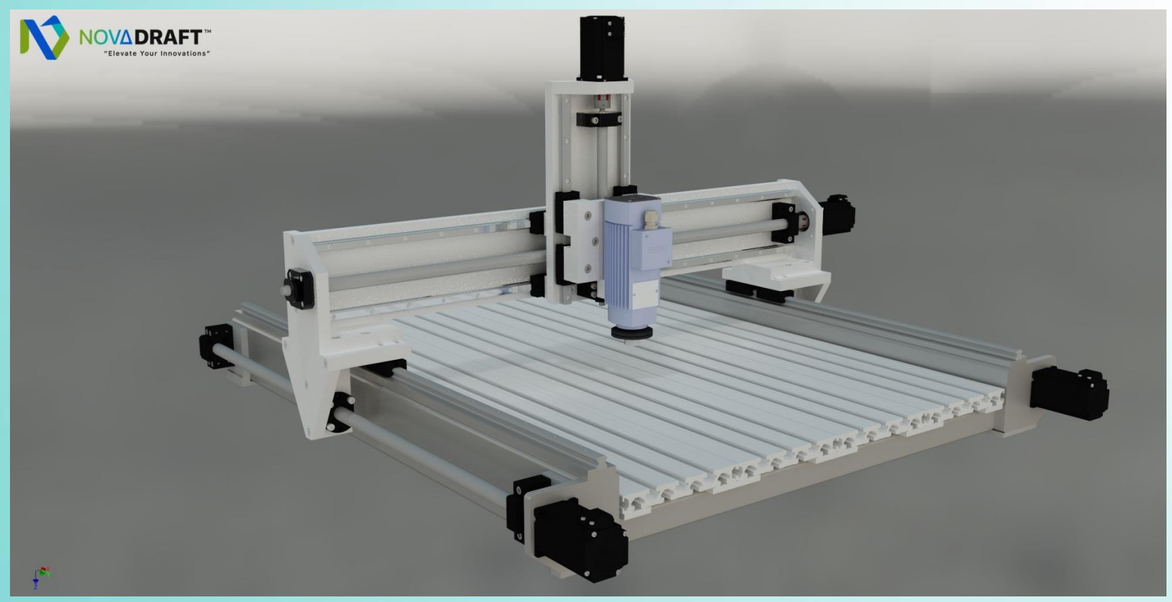
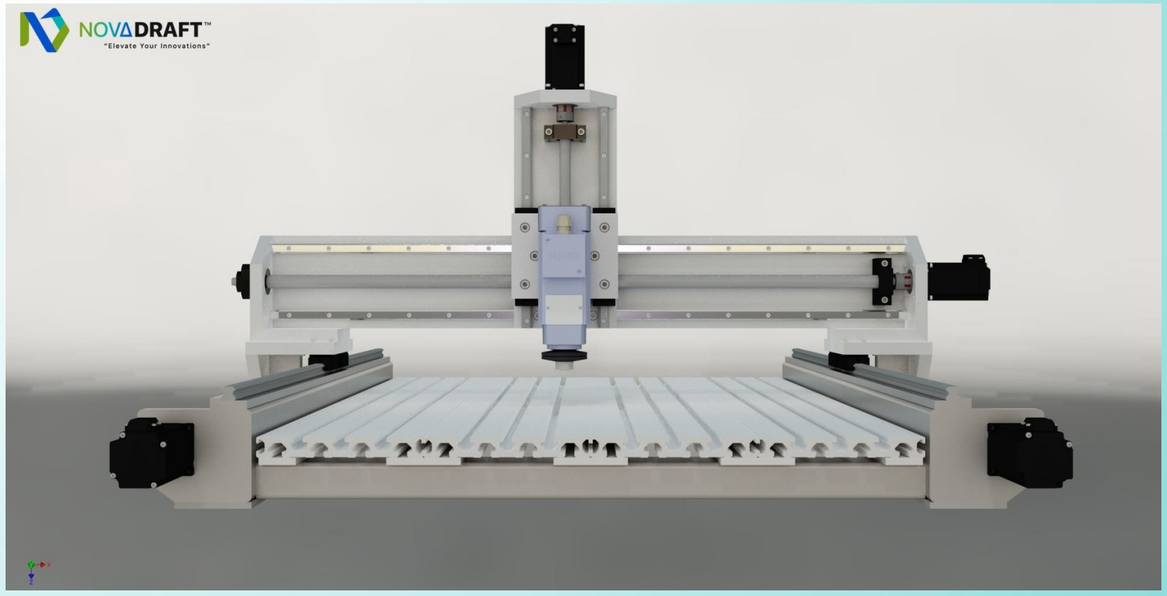


Table Type CNC Router 700x1000 (Göksu Ahşap)

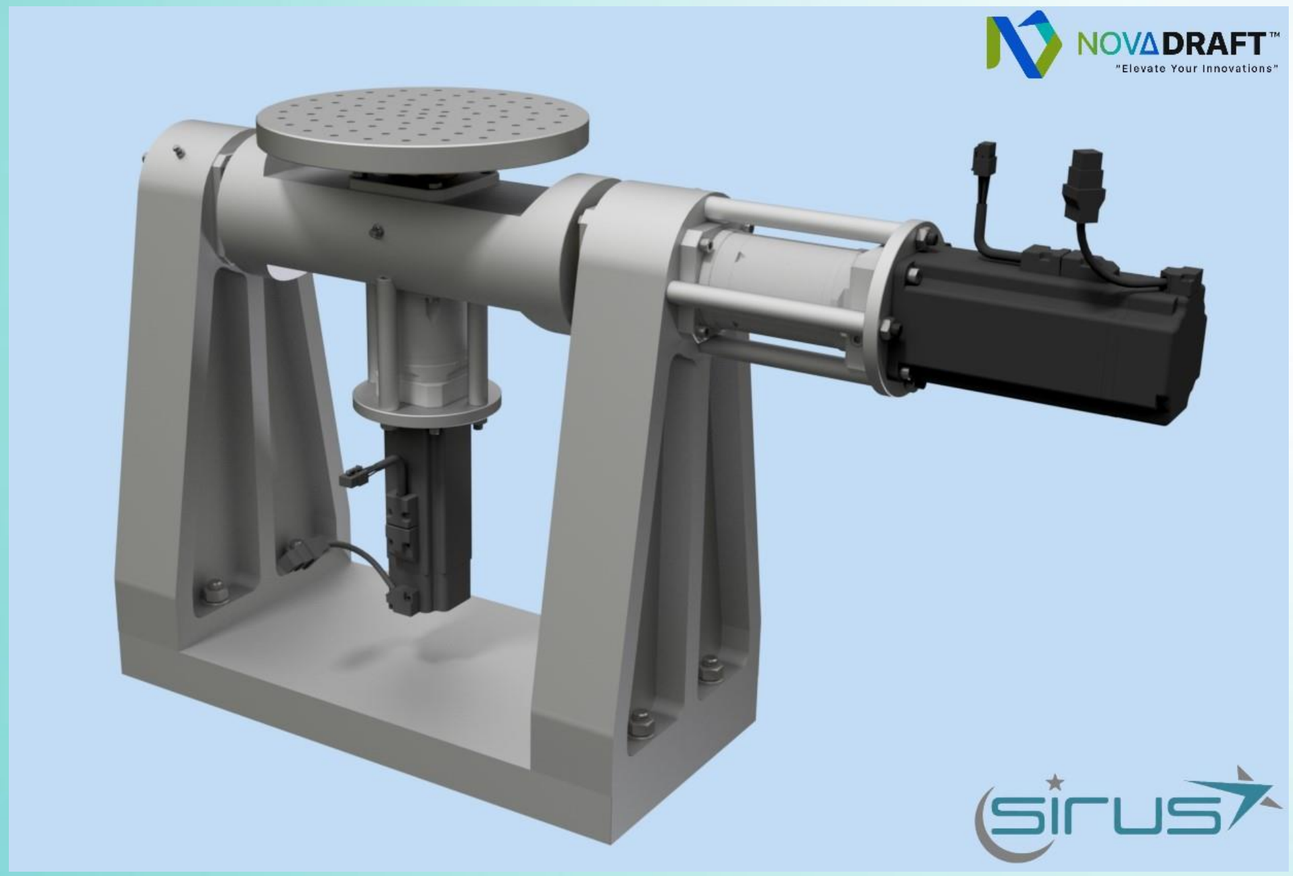


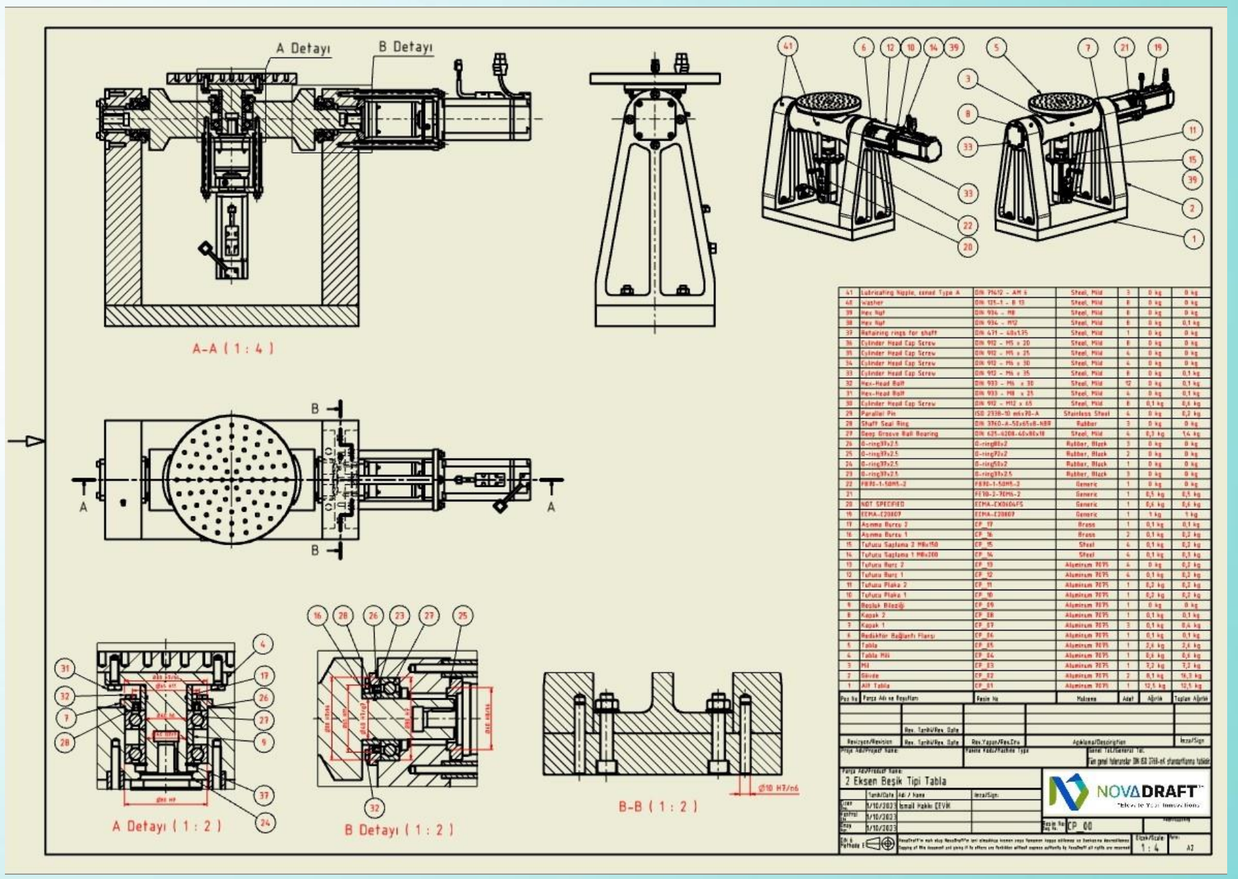




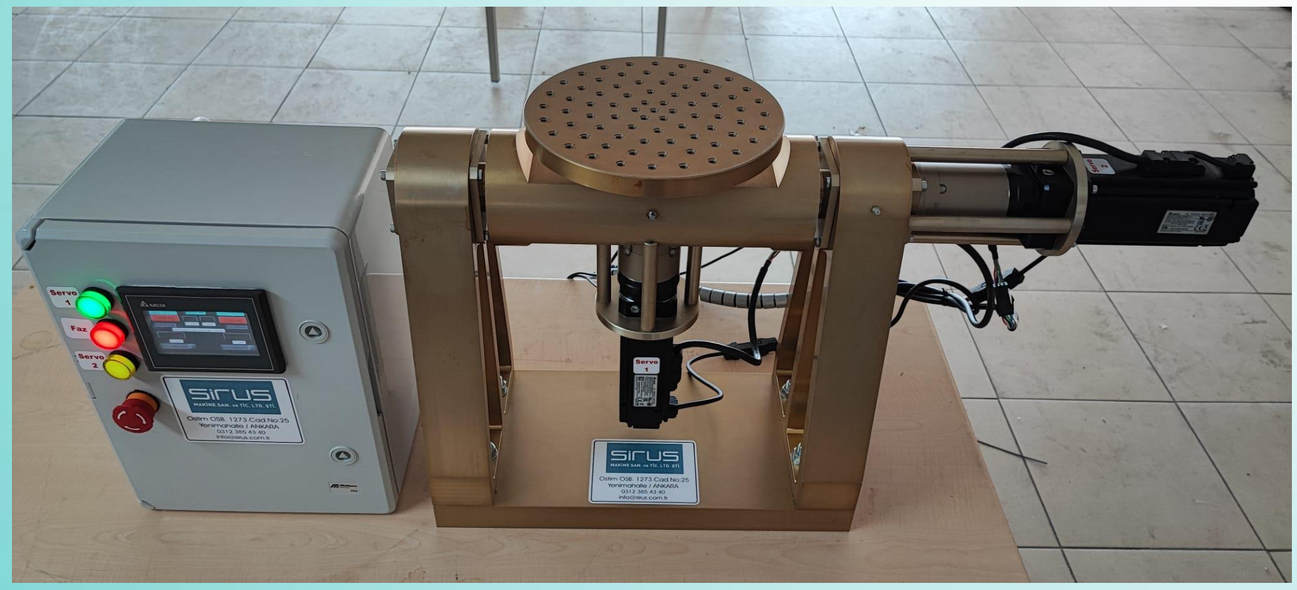


Two-axis Rotary Indexing Tables (ASELSAN)

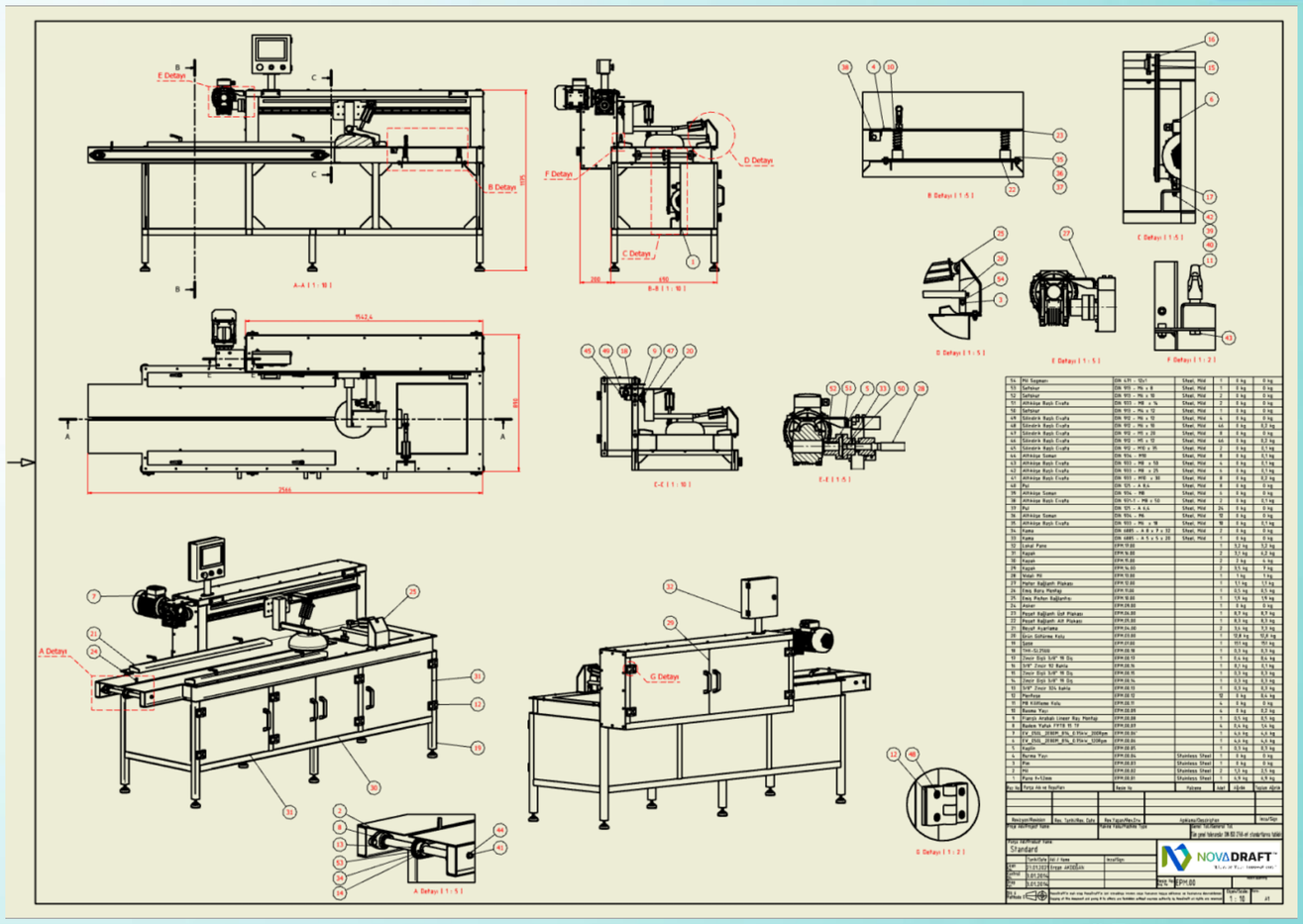




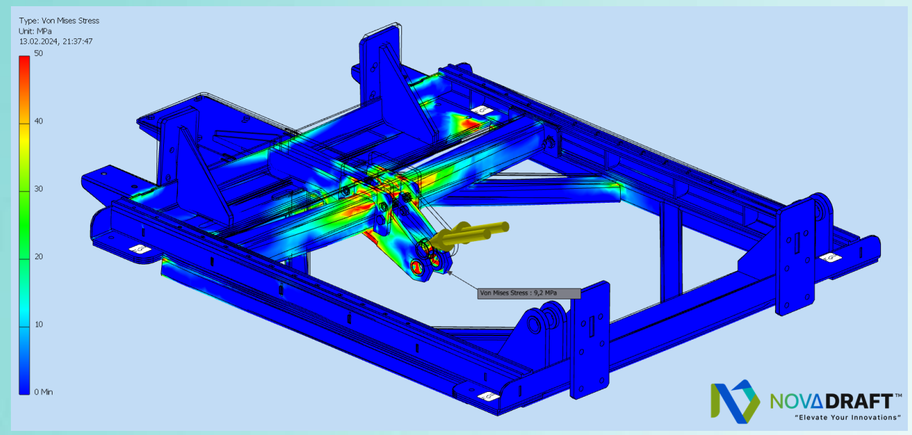
Two-axis Rotary Indexing Tables (ASELSAN)

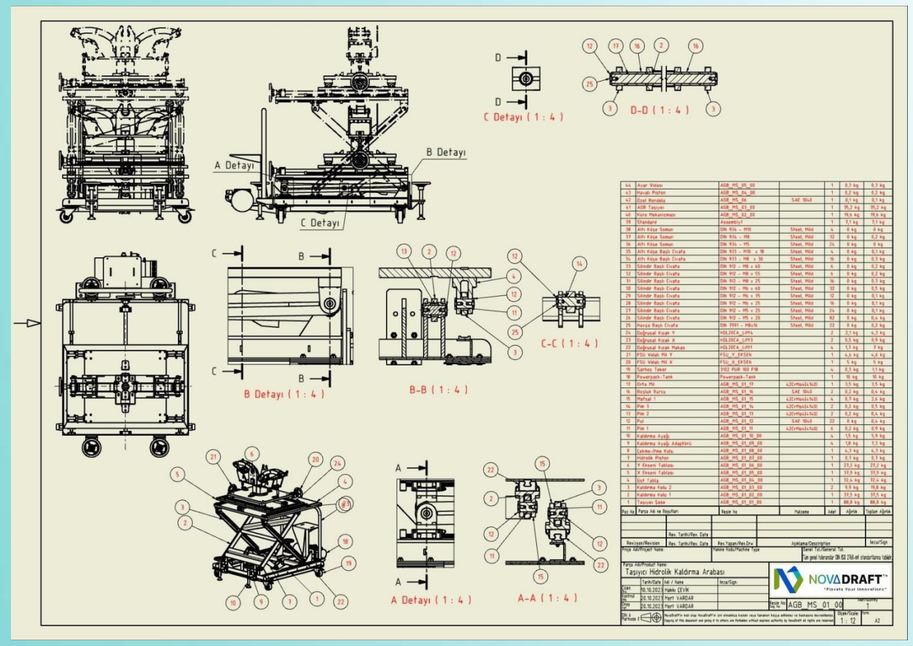


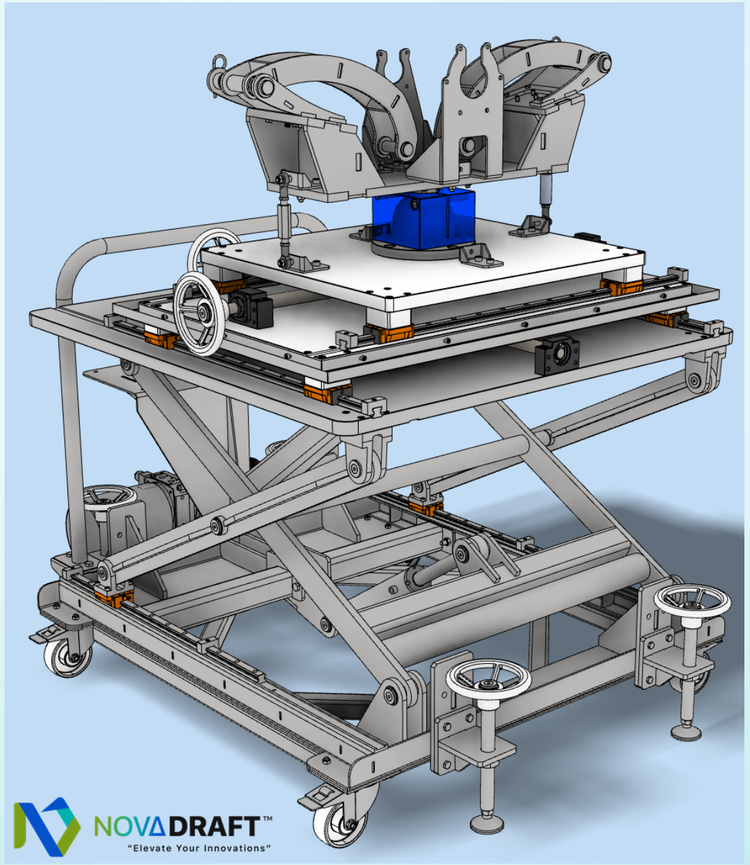
Bread Packaging Machine (Başkent Fırın Makineleri)



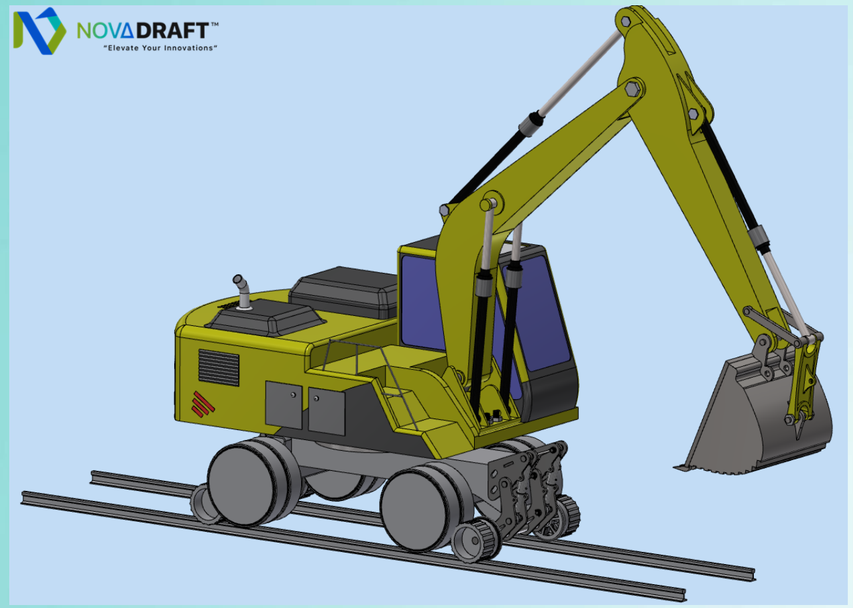
Gapless Scissor Mounting Platform (ER MAKİNE)&(TEI)

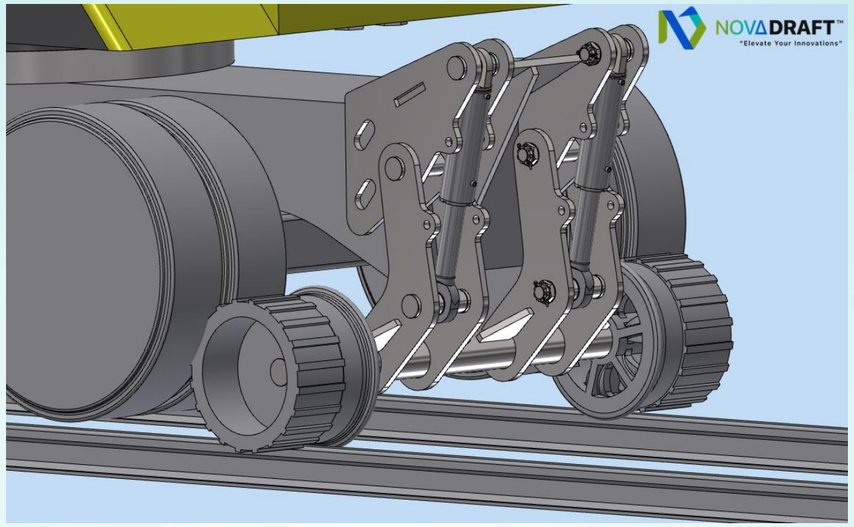


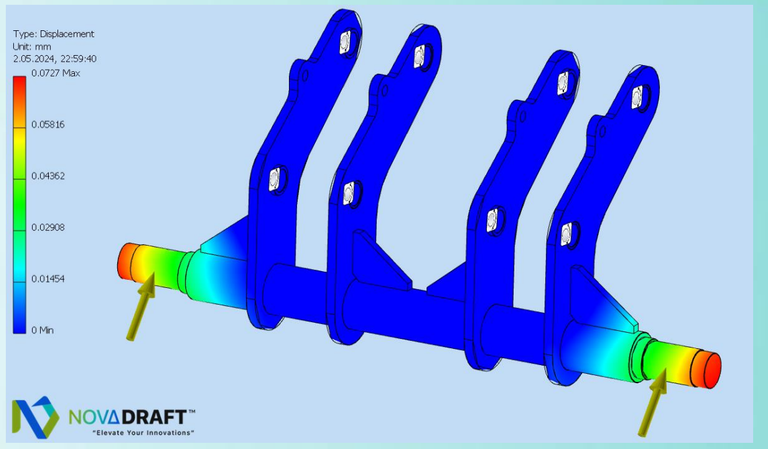


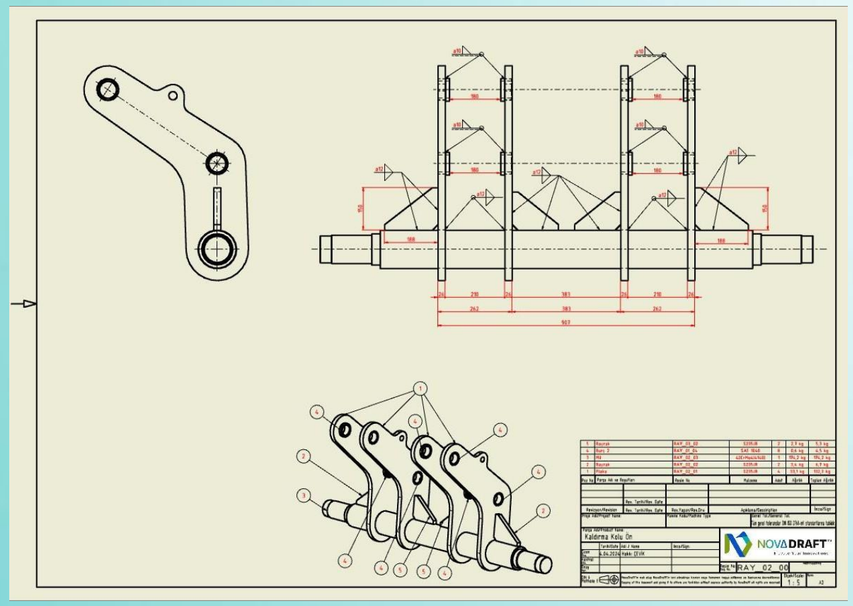


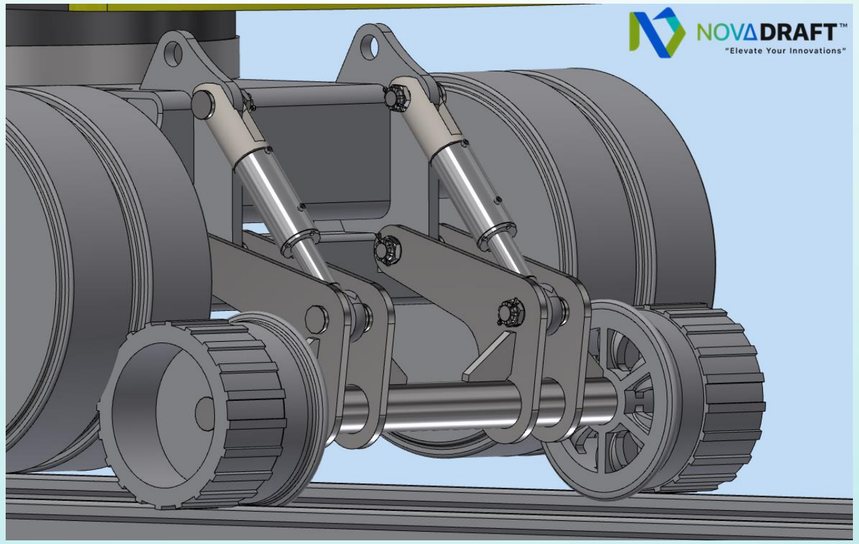
CAT M318D Excavator For On Rails (TASCO)

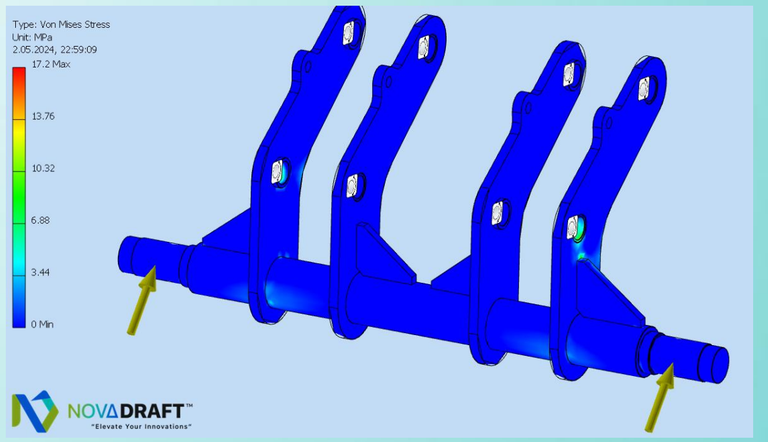




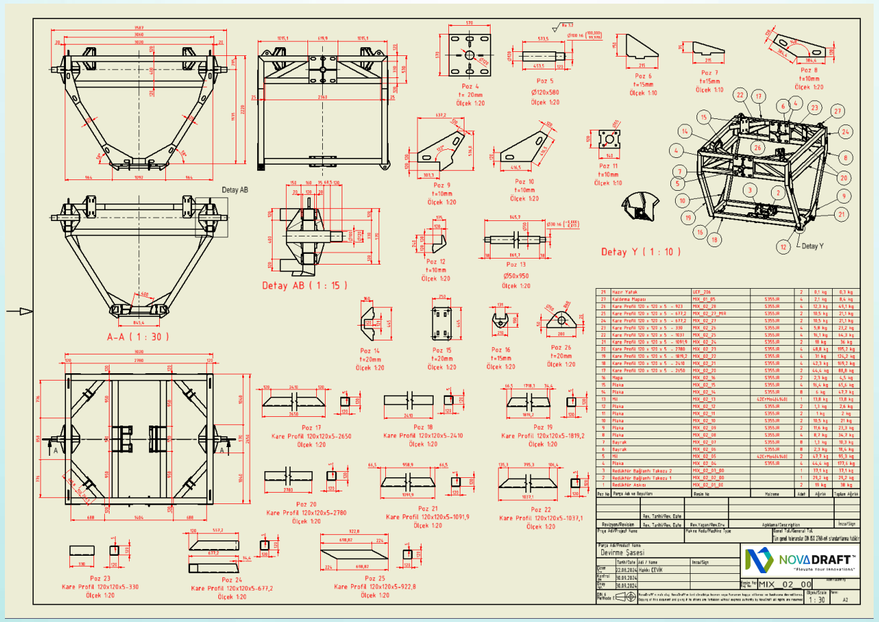


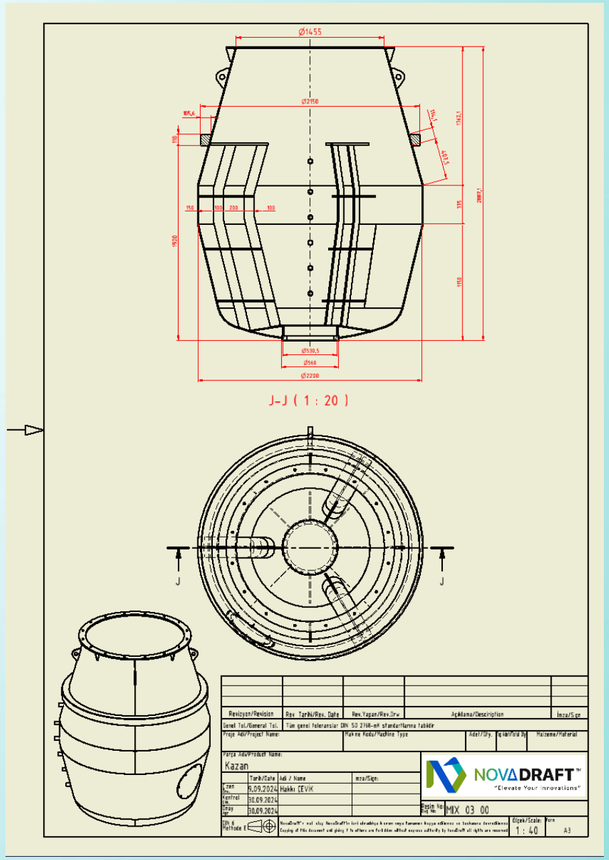




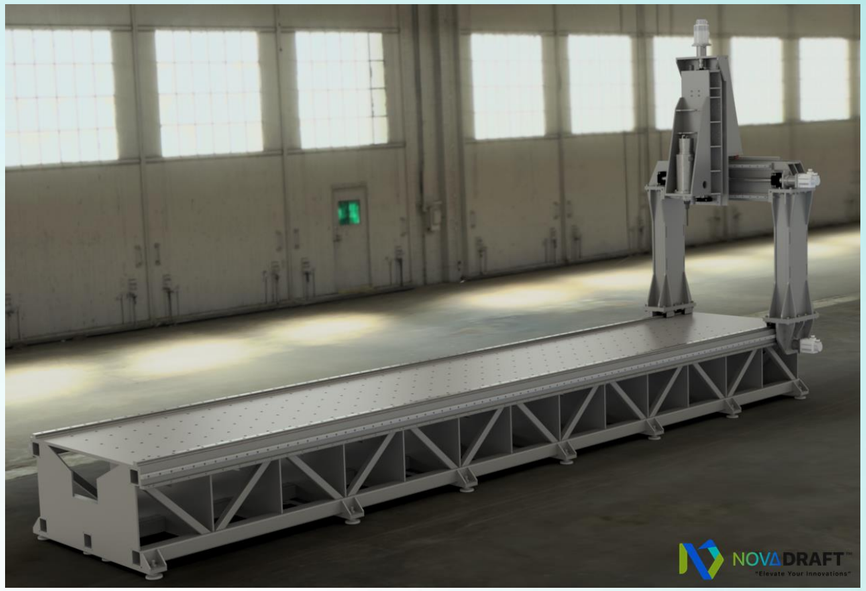


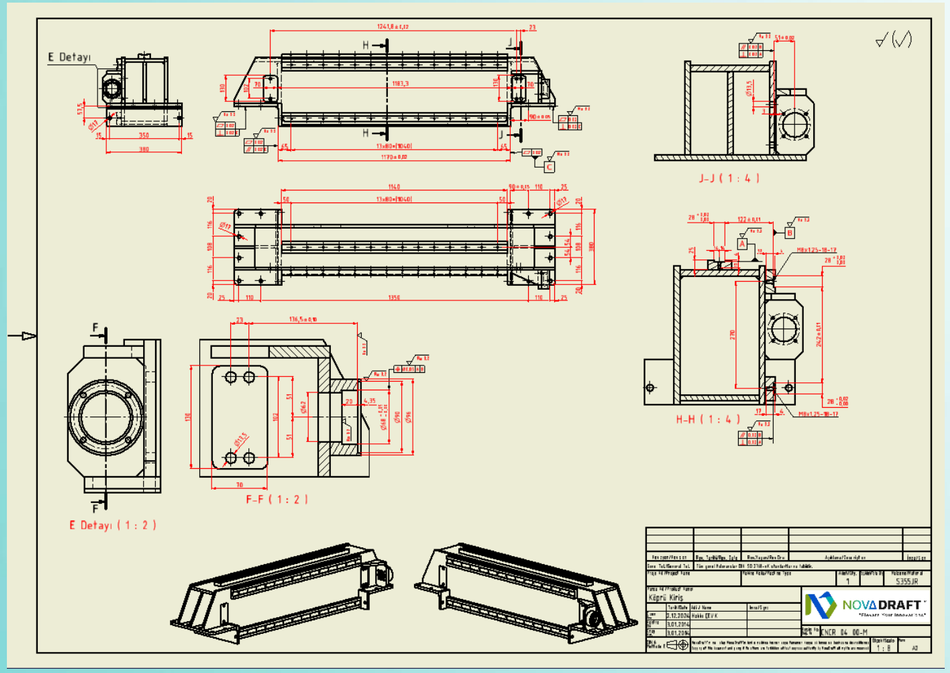
Petrol Sludge Mixer (SOCAR)

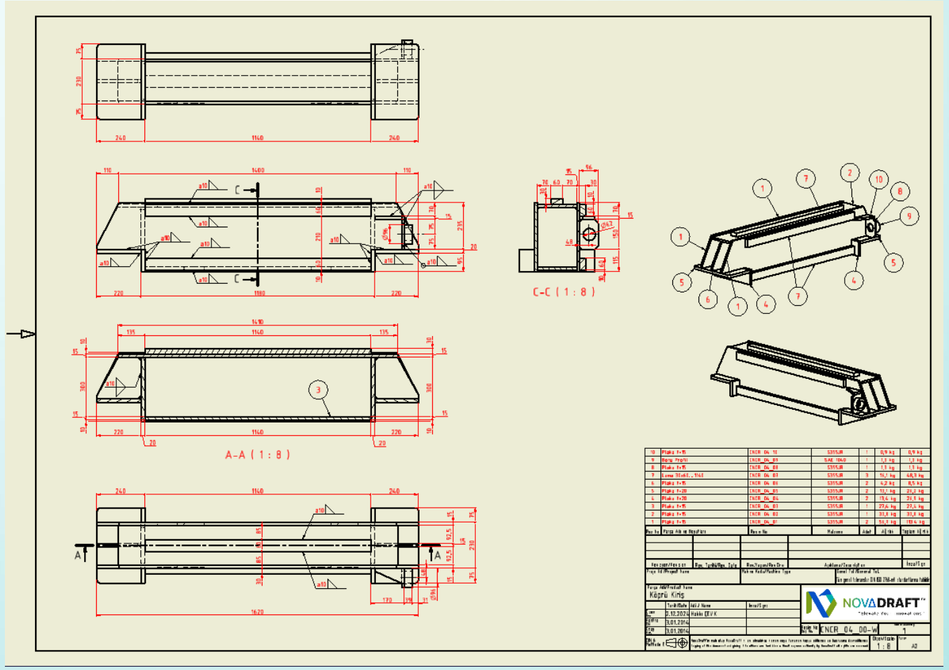




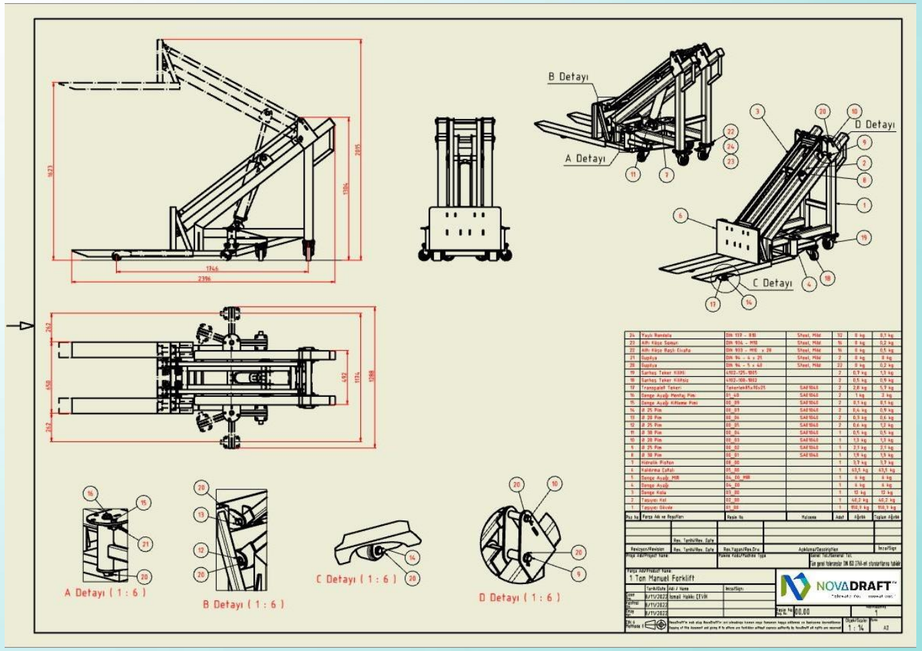
Bridge Type CNC Router X:880 Y:6150 Z:520 (KLK Grup)



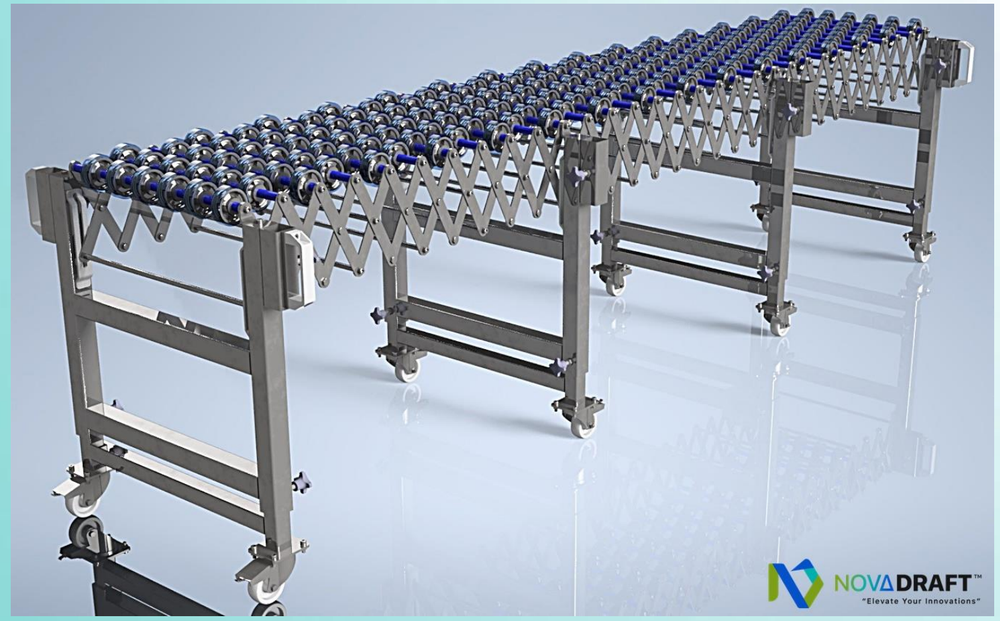


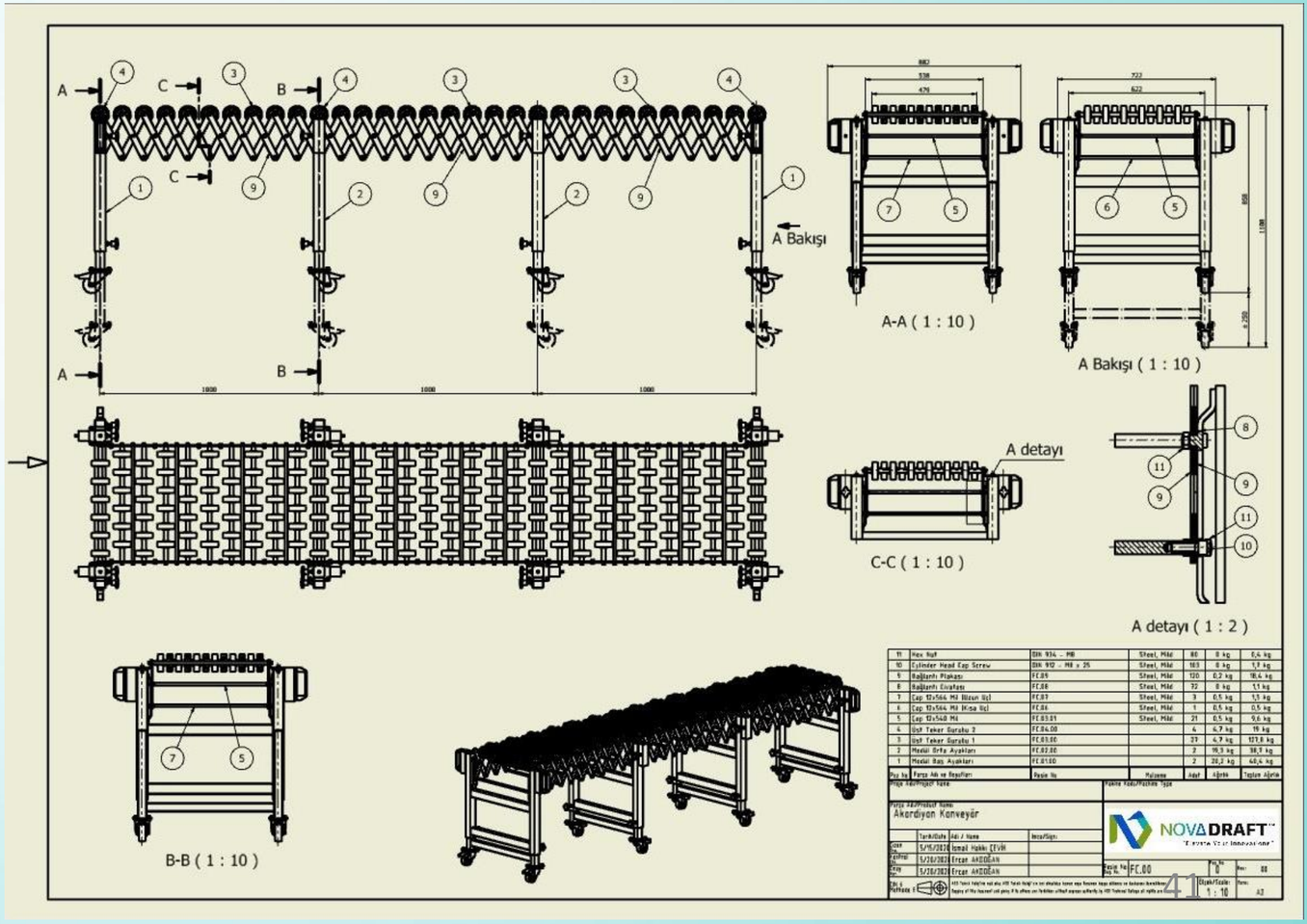


1 Ton Manuel Forklift (Novadraft)



Flexible Conveyor (Novadraft)





- Forming sheet metal, taking the expansions, transferring to manufacturing, scientific examination of the K factor and its effect on the expansions,
- Welding symbols and current representations in technical drawing,
- Nesting programs and cutting of the sheet metal blanks on CNC laser cutting machine, (benchtop trainings)
(Within the Scope of European Union Project of Keşan Chamber of Industry and Commerce)

- Autodesk Inventor Advanced Program Studies
- Autodesk Inventor Creating Template
- Drawing Tutorials
  (MEKSİS)

Autodesk Inventor Advanced Program Studies (MESA İMALAT)

Advanced Technical Drawing Reading and Measurement Control Studies (Pimsun-Yalısun)

OUR REFERENCES