

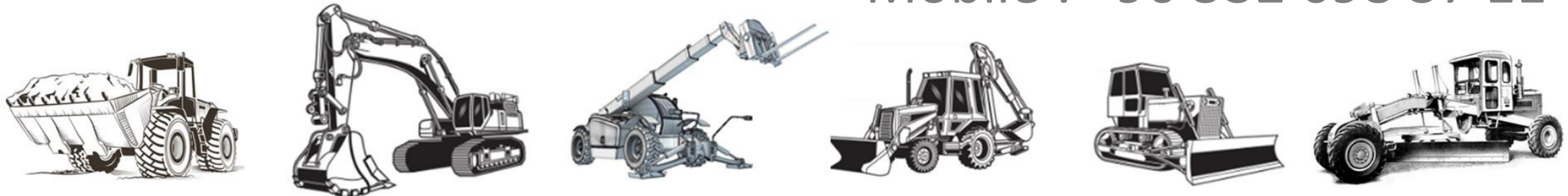


DESIGN STUDIO

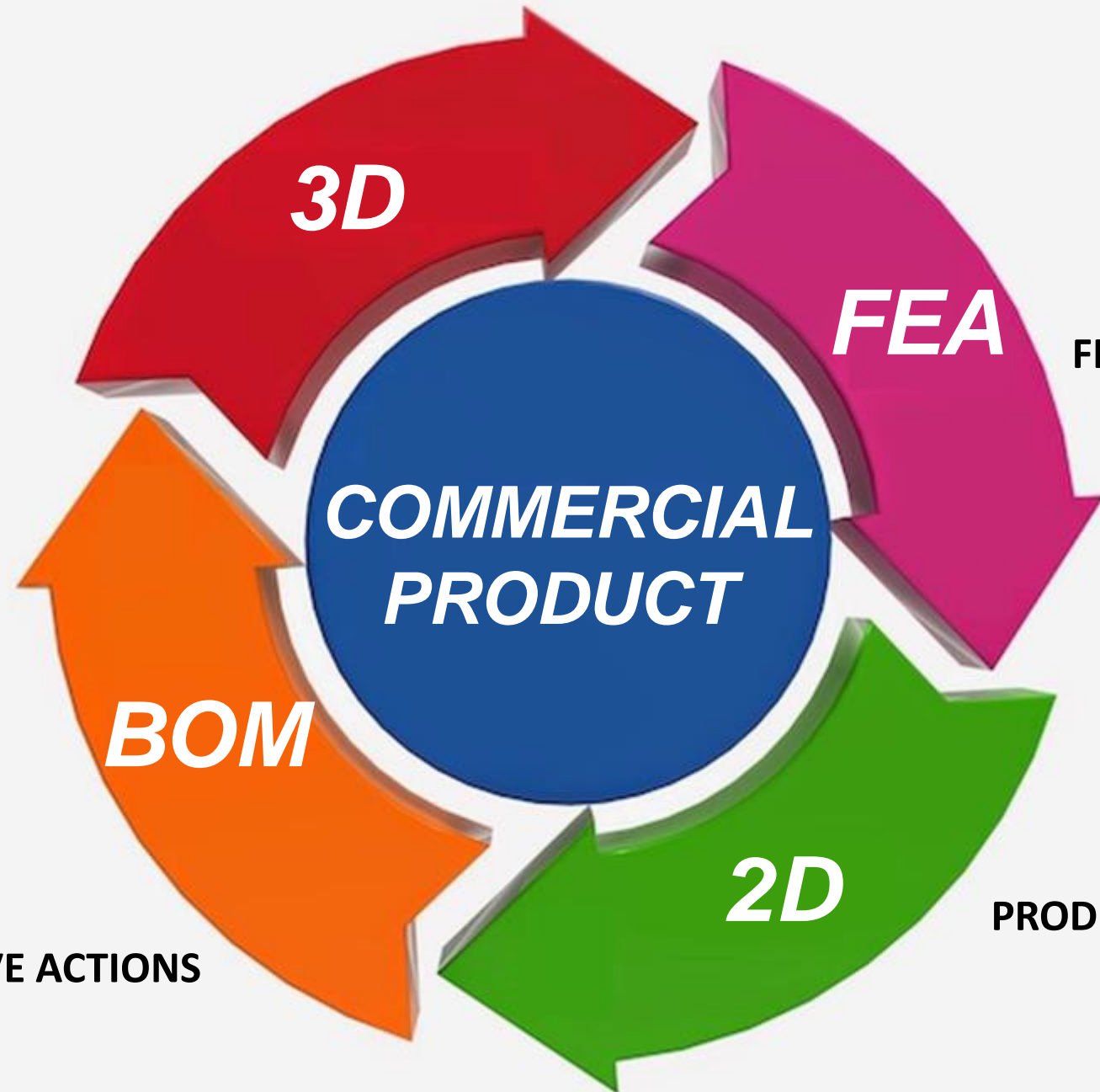
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3D DESIGN



FINITE ELEMENT ANALYSIS

BILL OF MATERIAL

SUPPLY CHAIN

CERTIFICATIONS

DOCUMENTATIONS

CORRECTIVE PREVENTIVE ACTIONS

PRODUCTION DRAWINGS

SECTORS



- Earth Moving and Construction Machinery
- Agricultural Machinery
- Automotive
- Industrial Equipment and Machines
- Mold – Apparatus and Fixtures
- Material Handling Solutions

OUR SERVICES

- Engineering and Design
- Prototype and Mass Production Processes
- Quality Processes and Management
- Documentation

ENGINEERING & DESIGN

- Market Analysis of Competitor Products
- Description of the New Product
- Description of the Project
- Identification of the Commercial Product (adhering to target prices)
- Design of the Prototype (product to be produced in-house)
- Establishment of the Supply Chain
- Coordination of CE and Homologation Certificate
- 3D, 2D, 3D Surface Modeling and Finite Element Analysis
- Preparation of 2D Production Drawings, Starting from the 3D Model

PROTOTYPE AND PRODUCTION PROCESSES

- Release of Production Drawings
- Release of the Bill Of Material
- Design of Fixtures required for production
- Analysis of product-related problems, determination of causes/solutions
- Creation of the final product
- Release of design and production schedules for Testing and Approval

QUALITY PROCESSES AND MANAGEMENT



- Type Approval of Suppliers
- Definition of Supply Specifications for Components
- Definition of Control Cycles for Production of Components made to Customer's Drawing
- Approval of First Production Prices (ISIR)
- Analysis of Production Problems both in-house and with Suppliers and Relative Identification of causes and corrective actions
- Analysis of Problems with Product on site and Identification of causes/solutions
- Projects with 6 Sigma Methodology
- Internal Auditing of Quality System as per UNI EN ISO 9001:2000

DOCUMENTATION

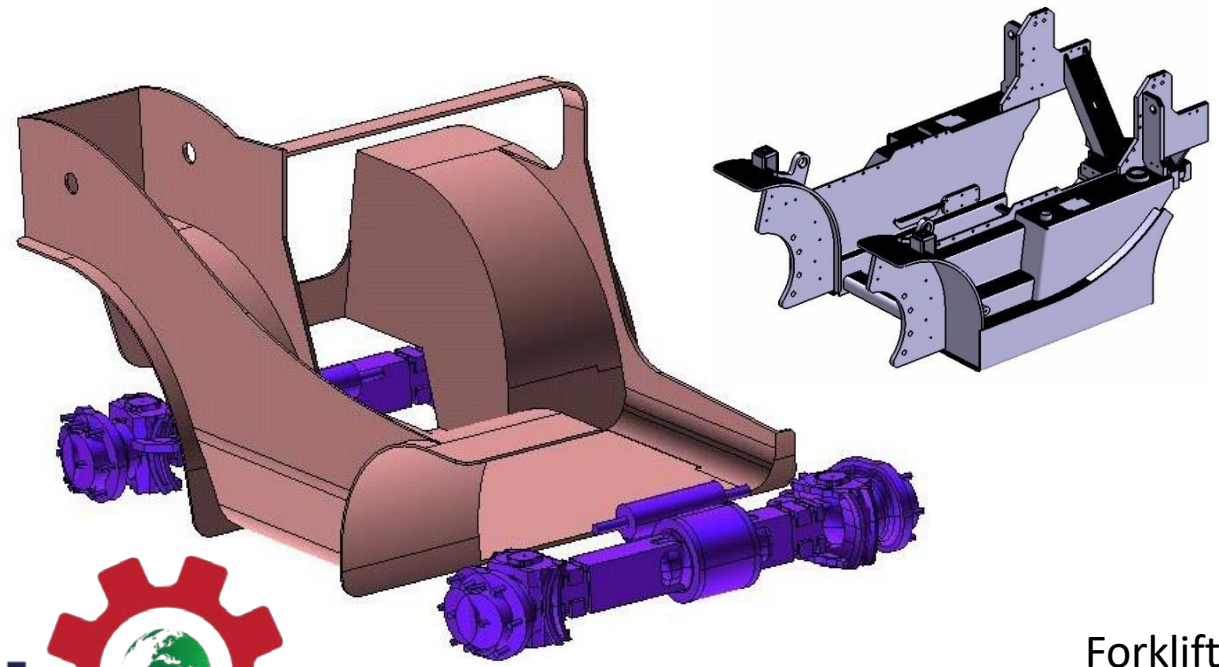
- Repairs Manual
- User Manual
- Spare Parts Manual
- Multimedia applications

COMPLETED PROJECTS

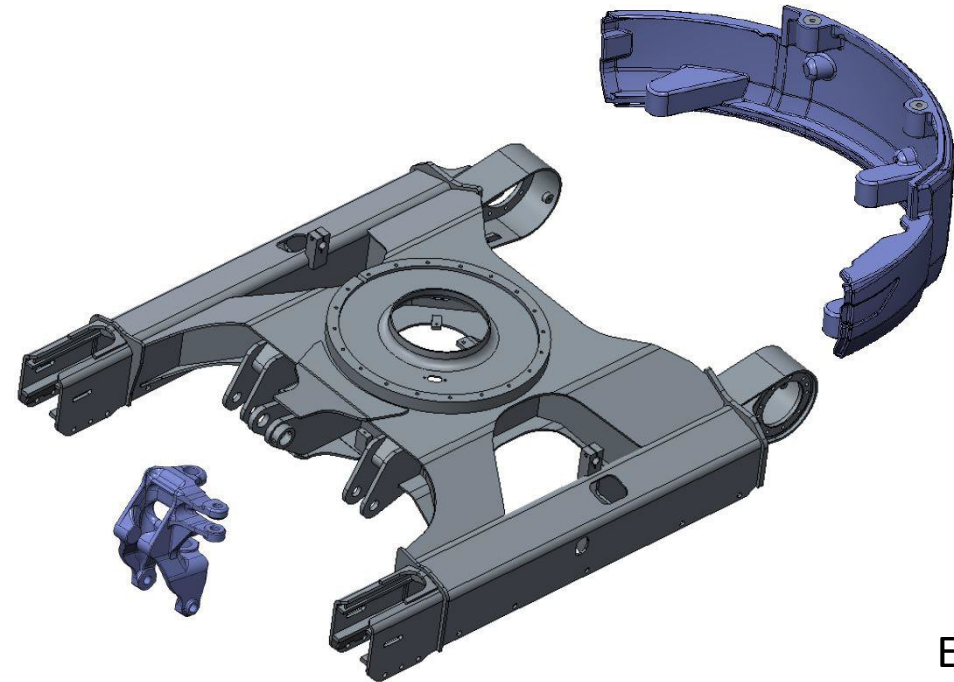
- Telescopic Forklift
- Forklift
- Excavator
- Digger Arm
- Operator Cab
- Cabin Comfort Areas
- Cabin Interior Design
- Spare Parts Book
- Powertrains
- Public Transport Vehicles
- Vertical Packing Machine
- Lift
- Patient Bed
- Transfer Stretcher
- Packaging Welding Machine
- Fabric Cutting and Sizing Machine
- Horizontal Filling Bench
- Stacking Attachment
- Pallet Truck
- Finite Element Analysis



Telescopic Forklift



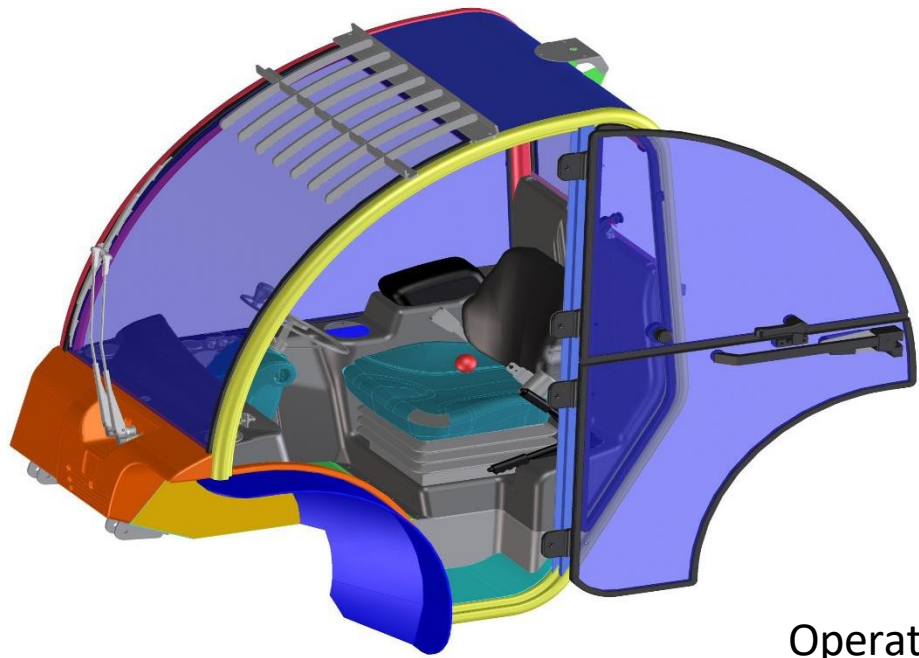
Forklift



Excavator



Digger Arm



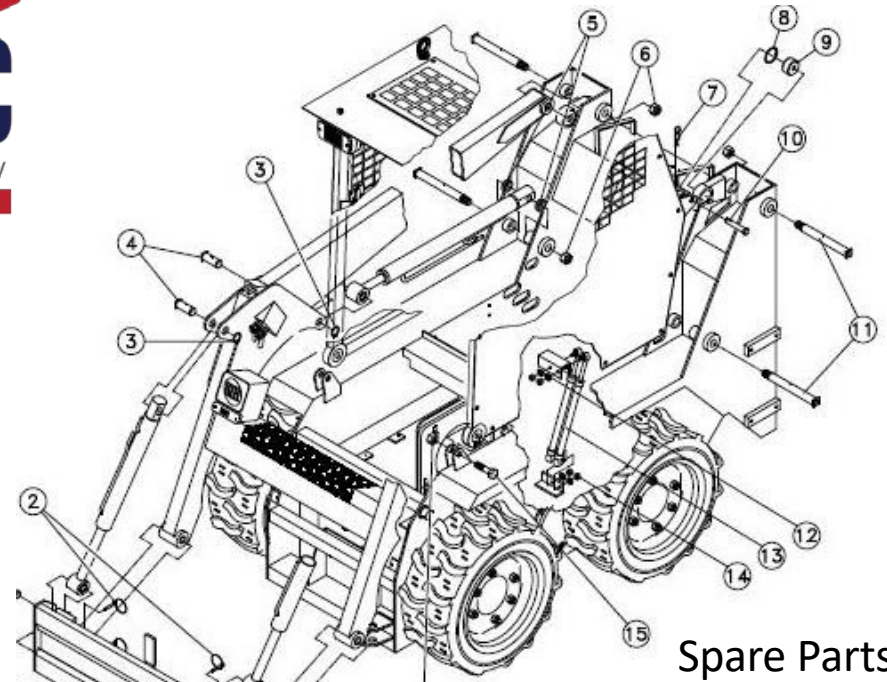
Operator Cab



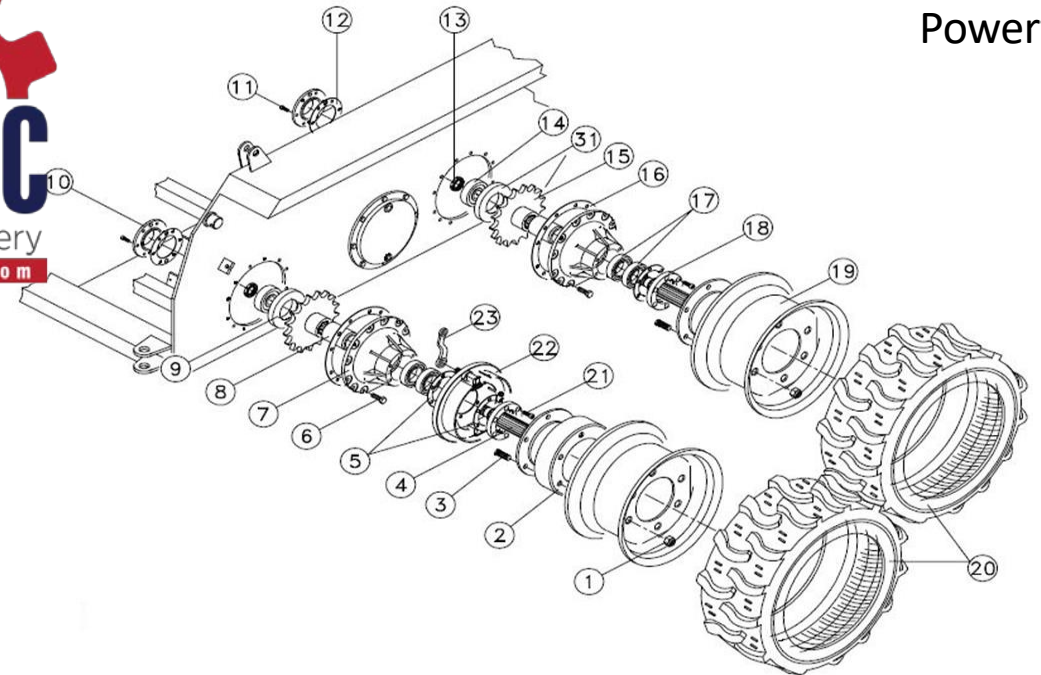
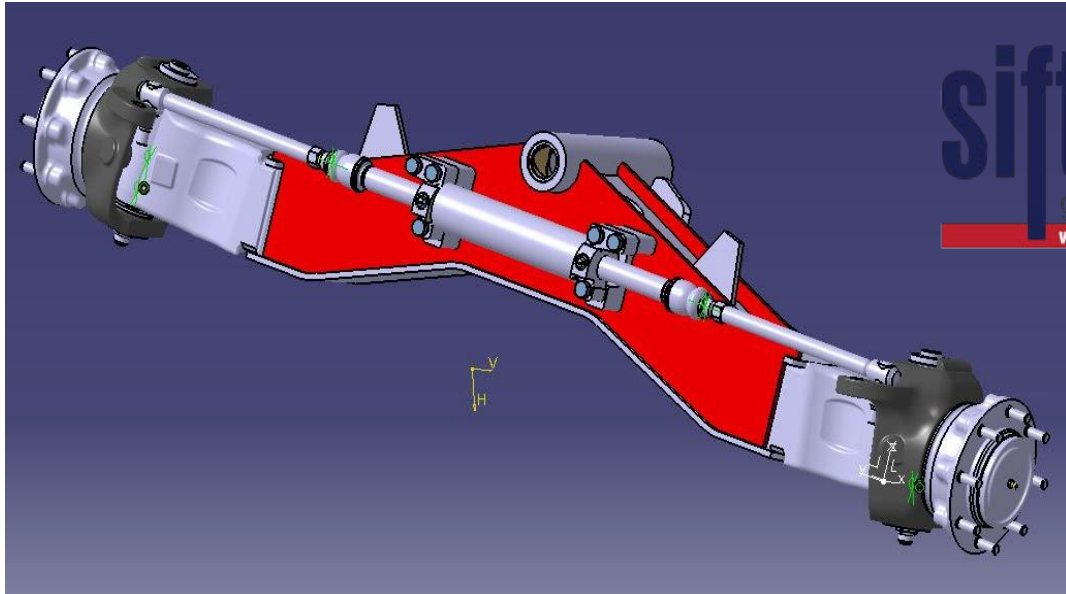
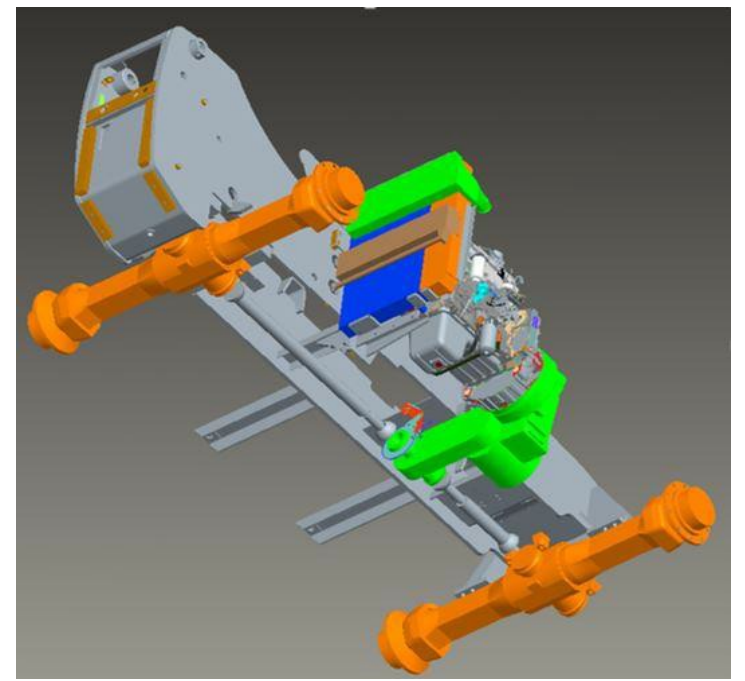
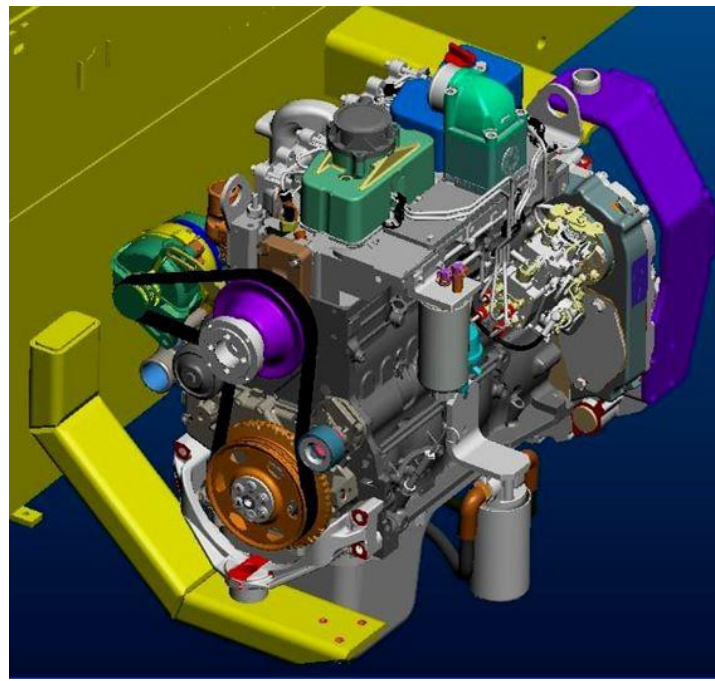
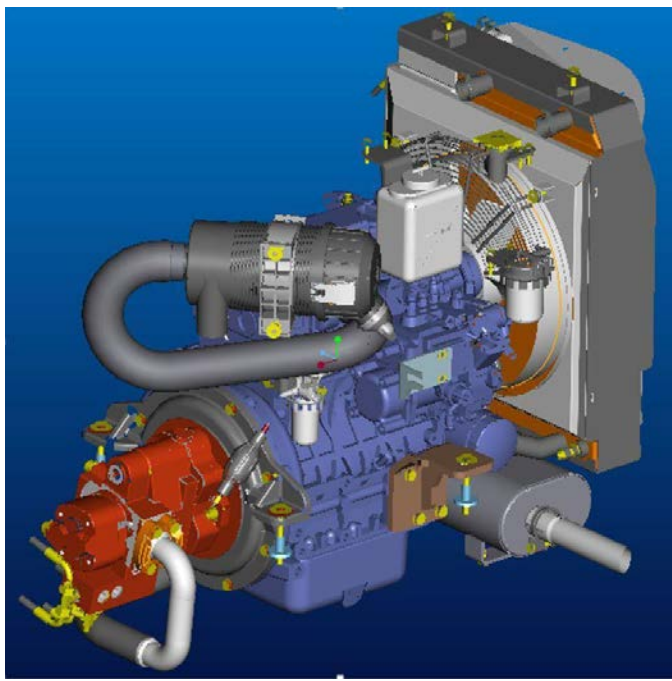
Cabin Comfort Areas



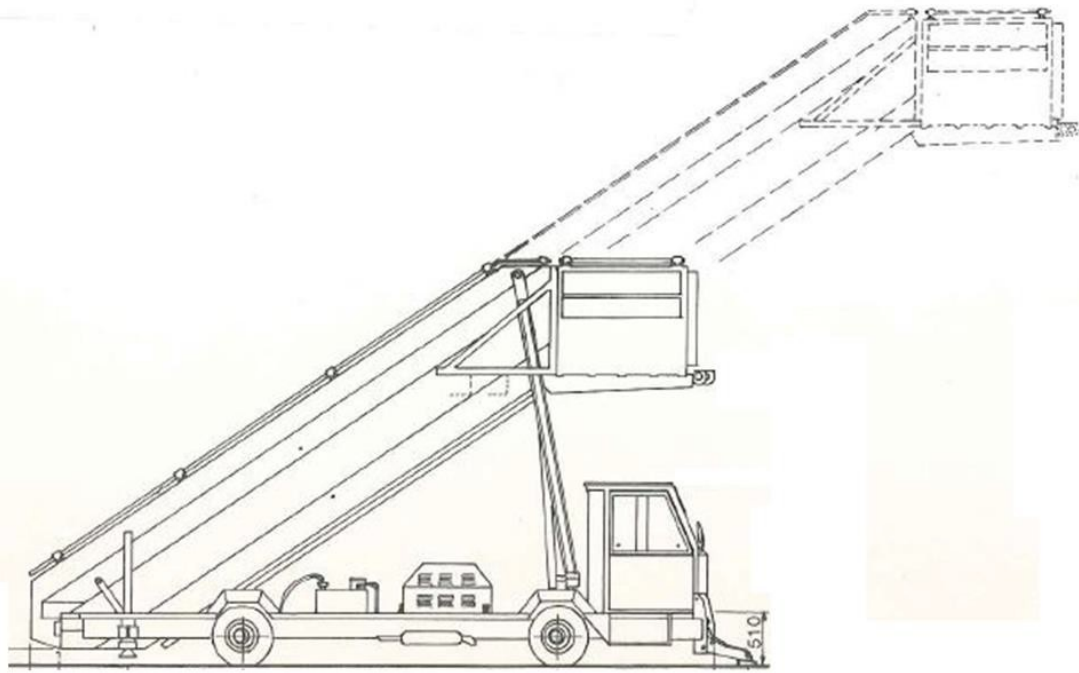
Cabin Interior Design



Spare Parts Manual

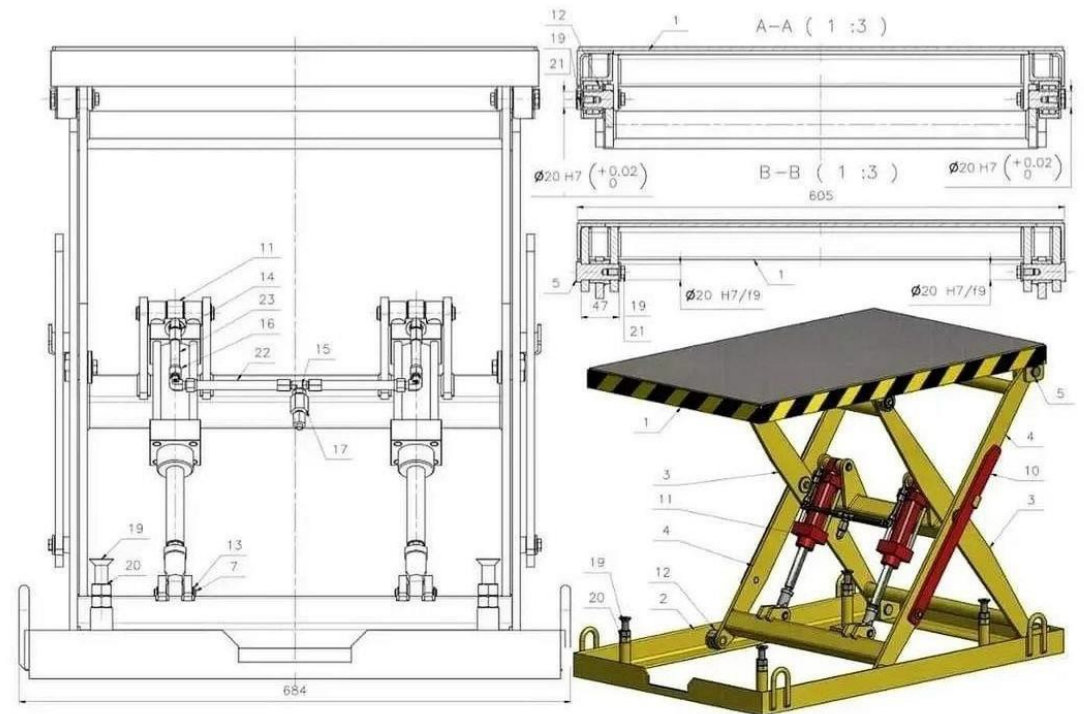
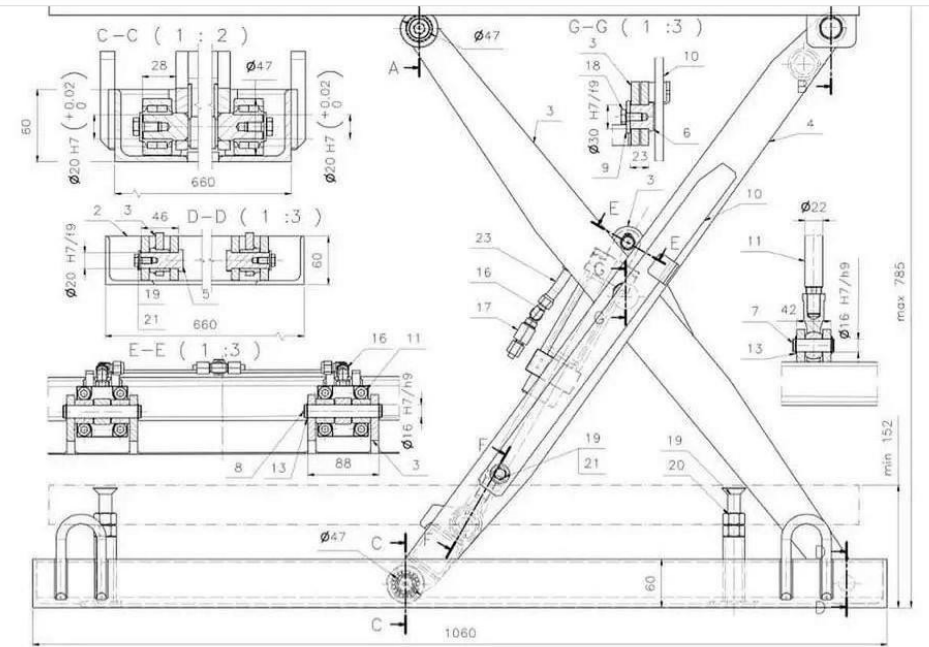
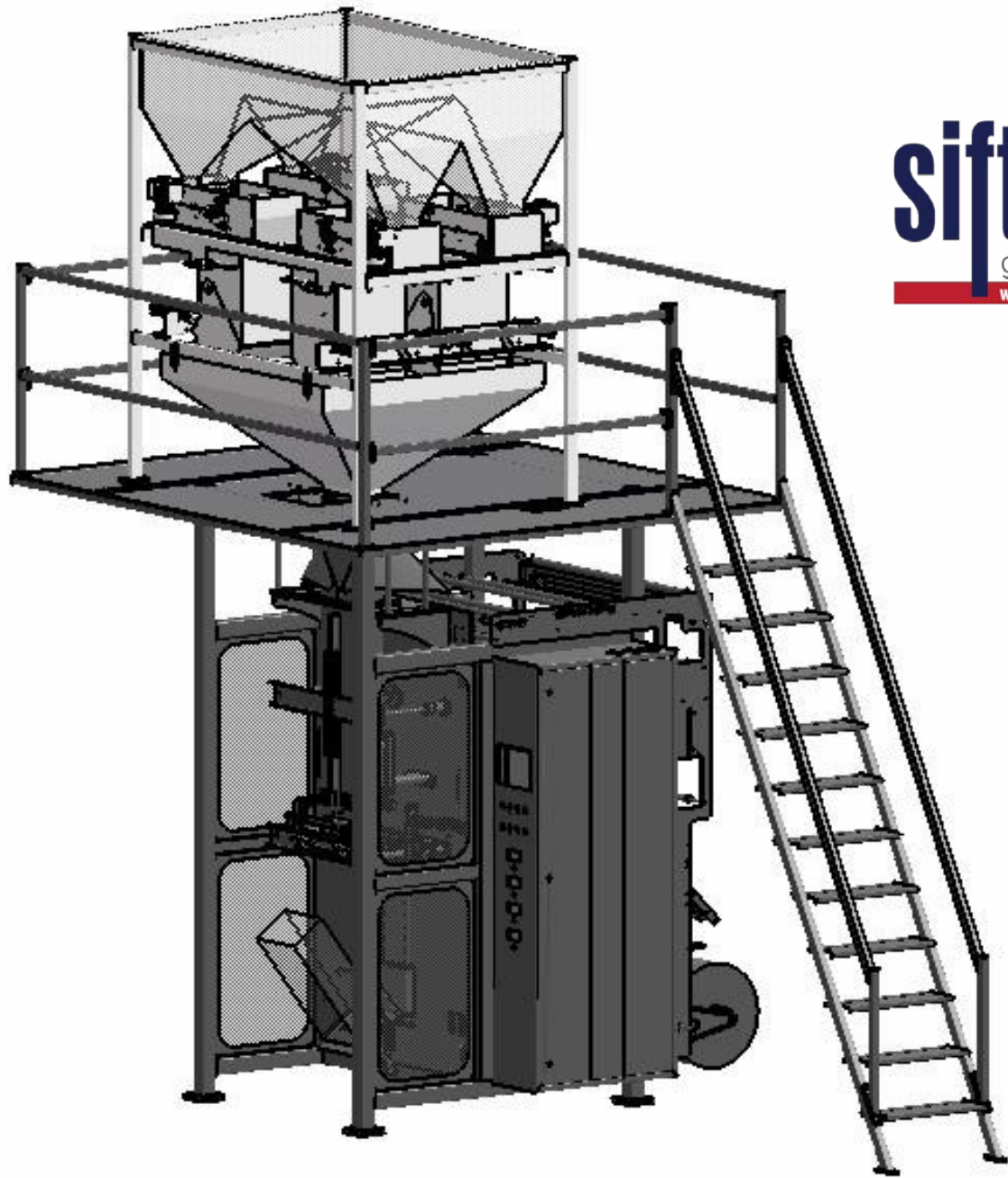


Powertrains



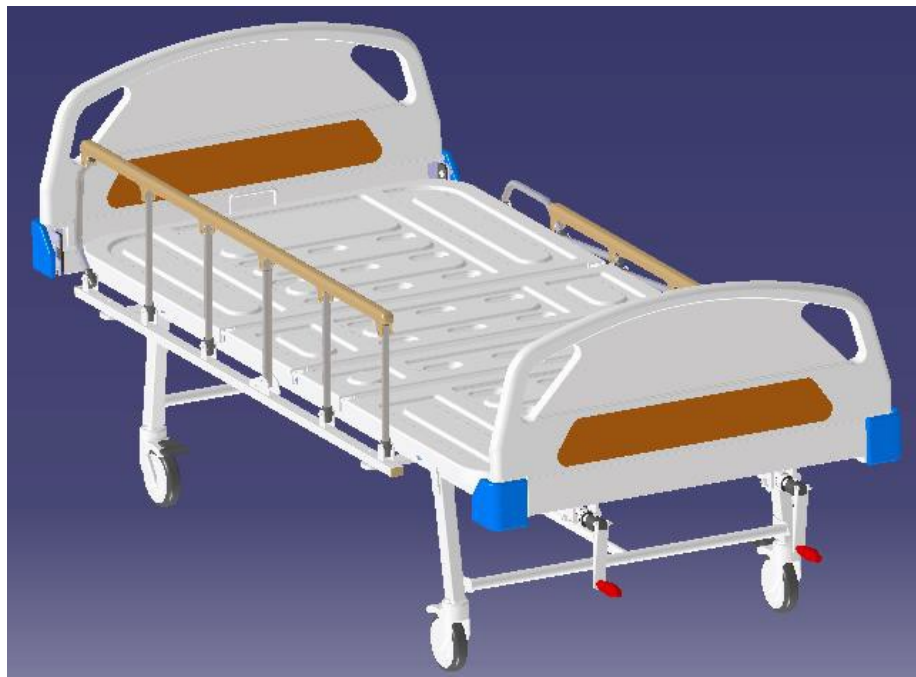
Public Transport Vehicles





Vertical Packing Machine

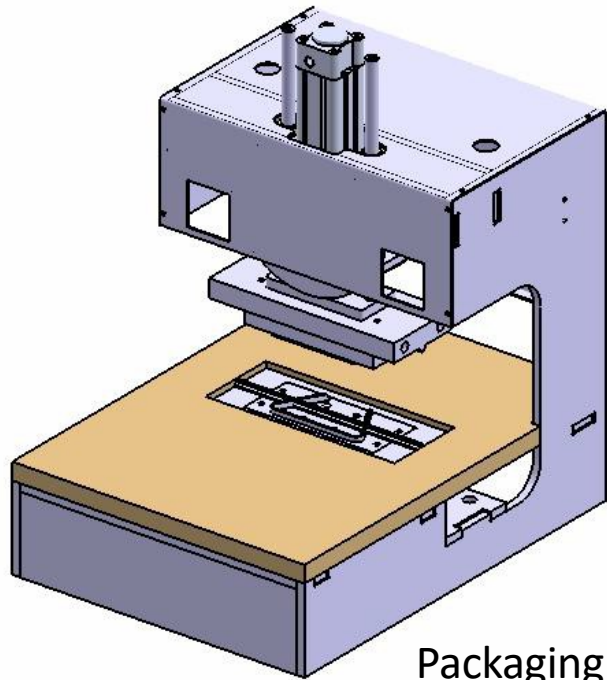
Lift



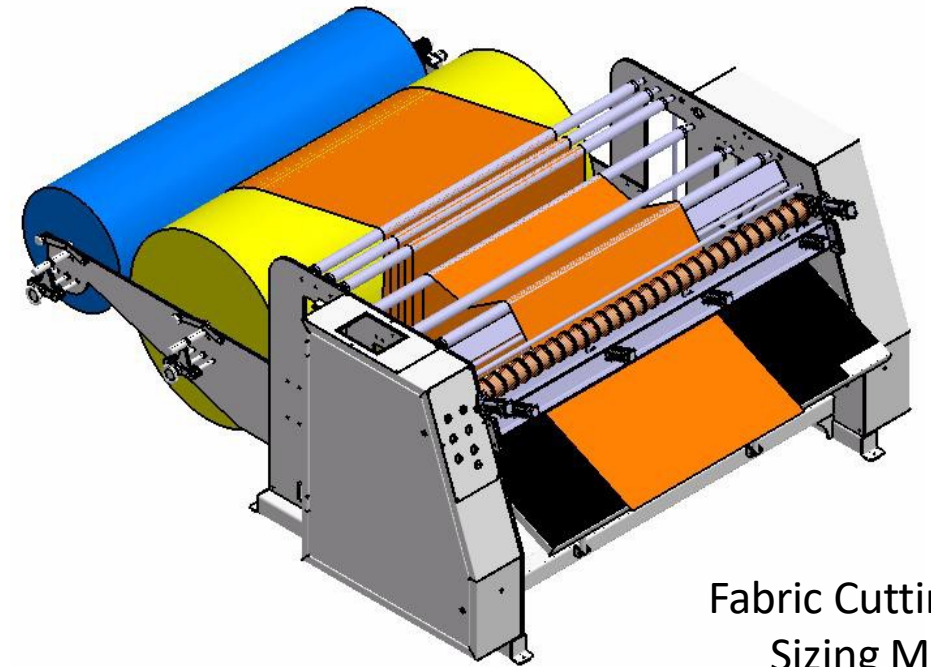
Patient
Bed



Transfer Stretcher



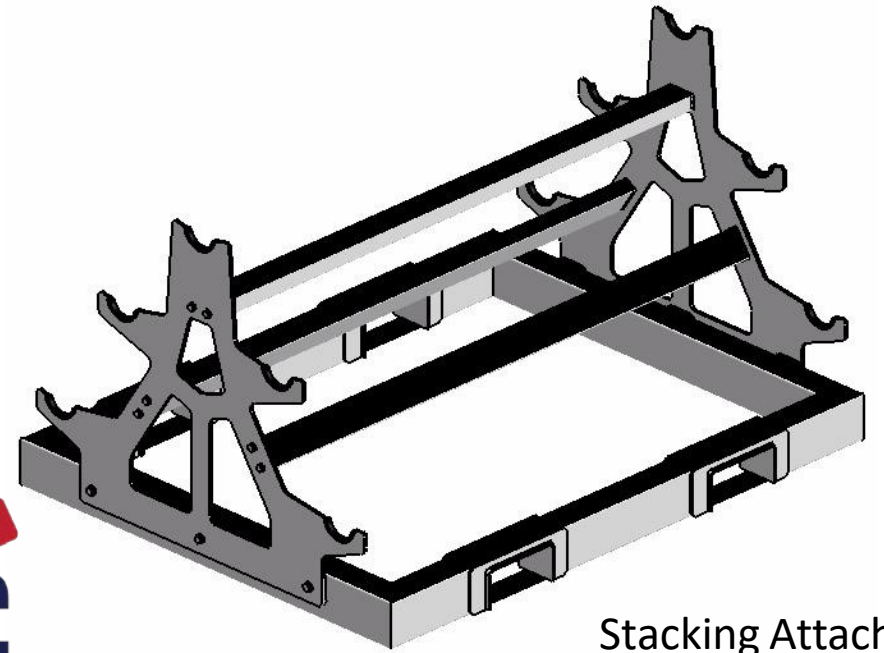
Packaging Welding Machine



Fabric Cutting and
Sizing Machine



Horizontal Filling Bench



Stacking Attachment



Pallet Truck

F E A

Finite Element Analysis

