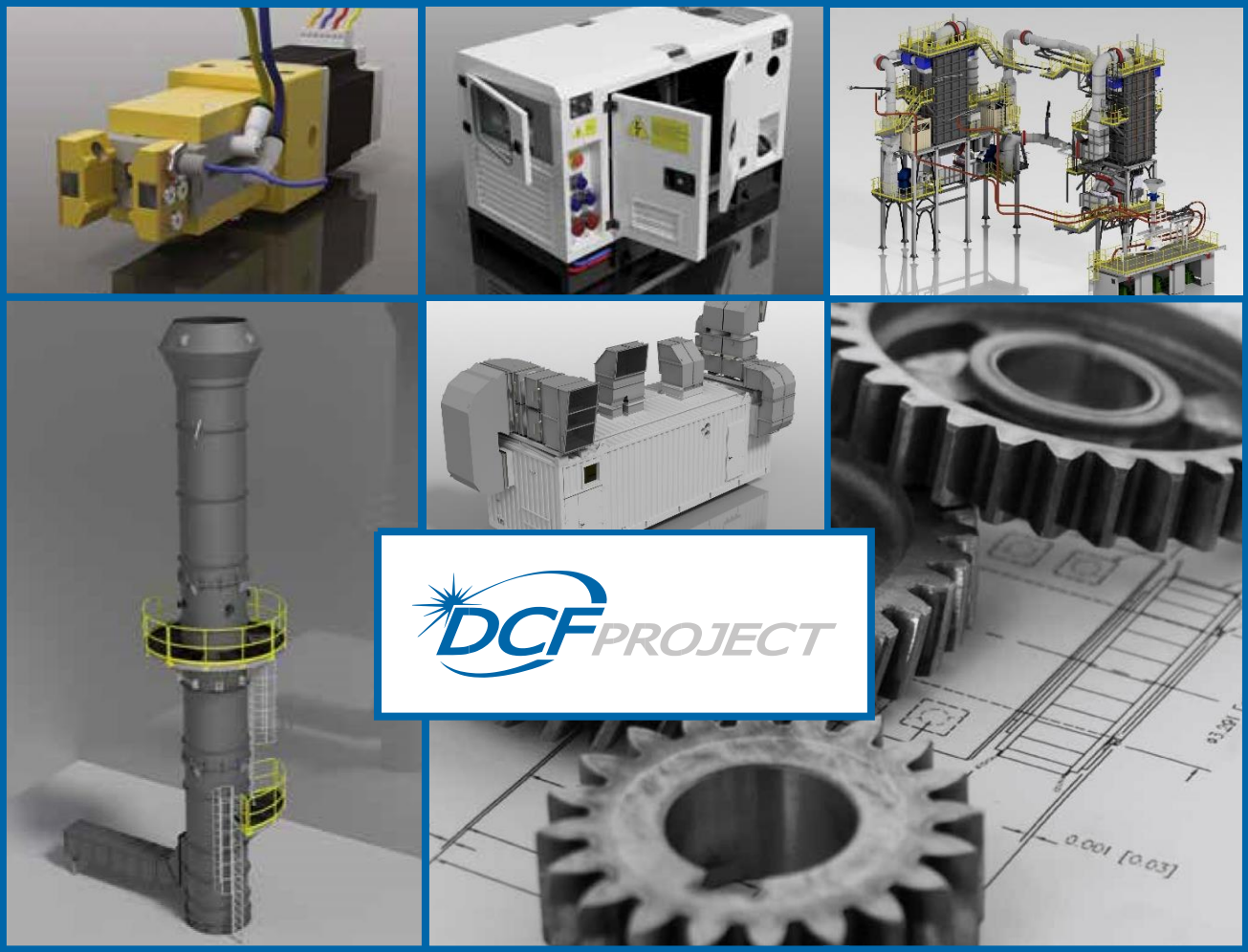
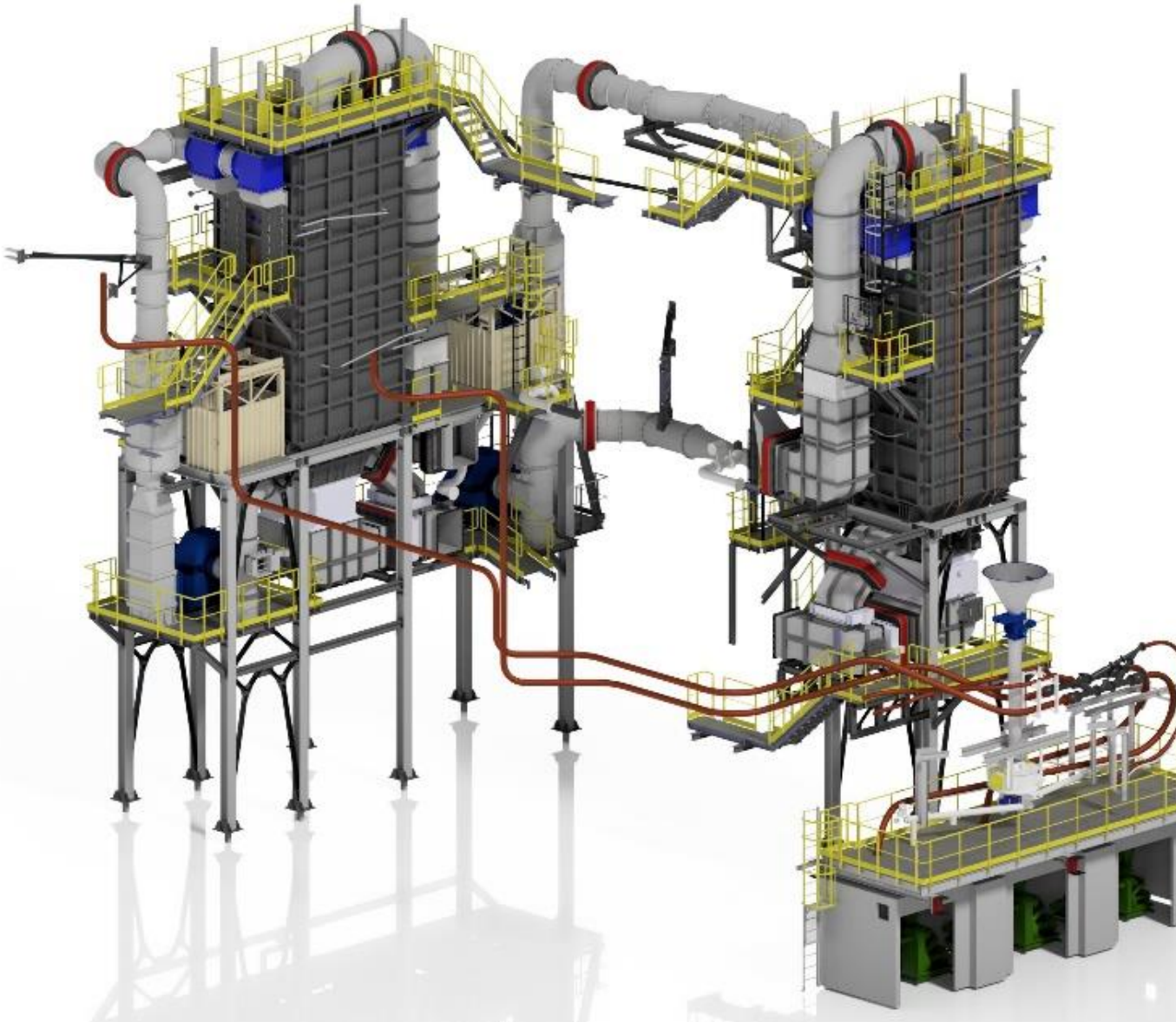
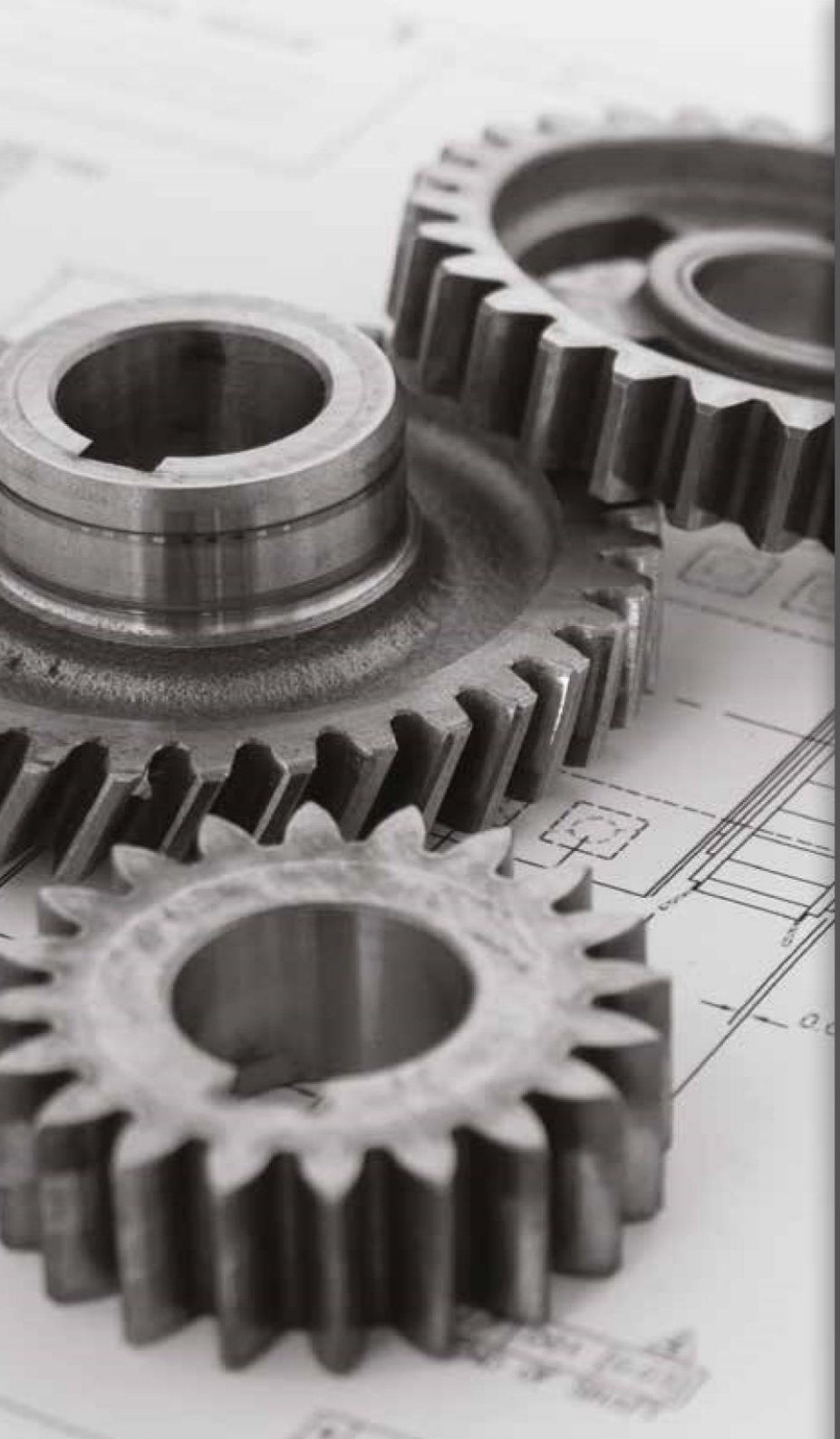

DCF PROJECT

Assistance, Support & Cooperation

For best result





INDEX

Mechanical Engineering

We grant high quality into this sector

DCF Project is an Italian engineering company working in industrial and mechanical field, focused on projecting, developing and detail engineering, able to develop about 3500 working hour per month.

Our first goal is to become a fidelity partner offering our support to our client, granting the utmost seriousness, confidentiality, professionalism and high quality in the field.

Thanks to its twenty years long experience and to its dynamism, our company is able to satisfy all client's needs and is at full disposal for every kind of requirement.

AT A GLANCE

- **Feasibility Study**
- **Ideation**
- **Design**

AT A GLANCE

Analysis

Layout design

Feasibility Check

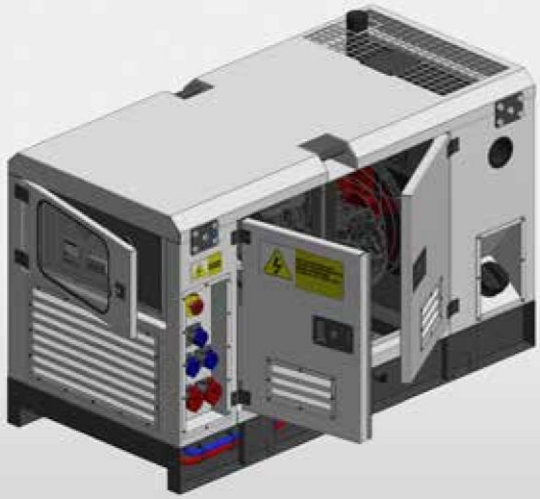
Design & Realization

3D Modeling

DCF Project is able to design and process machines and industrial plants, according to the directives and needs of the customer. The company has on its side the experience and operational ability for planning, 3D modeling and project control.

We design both from the specific particular up to the complete product, providing the most complete assistance and cooperation. From a freehand sketch, from an idea explained verbally or from a CAD design base, we use three-dimensional modeling technology to get the final vision of what will be the first finished prototype, thus breaking down the times and implementation costs.

Creating the three-dimensional model of the project, we provide all the support for the realization of construction drawings , assembly and folding drawings, geometries for laser cutting and water jet, CAD files for numerically controlled machines, constructive exploded views, production and purchase lists, construction and product manuals, time studies and production methods.



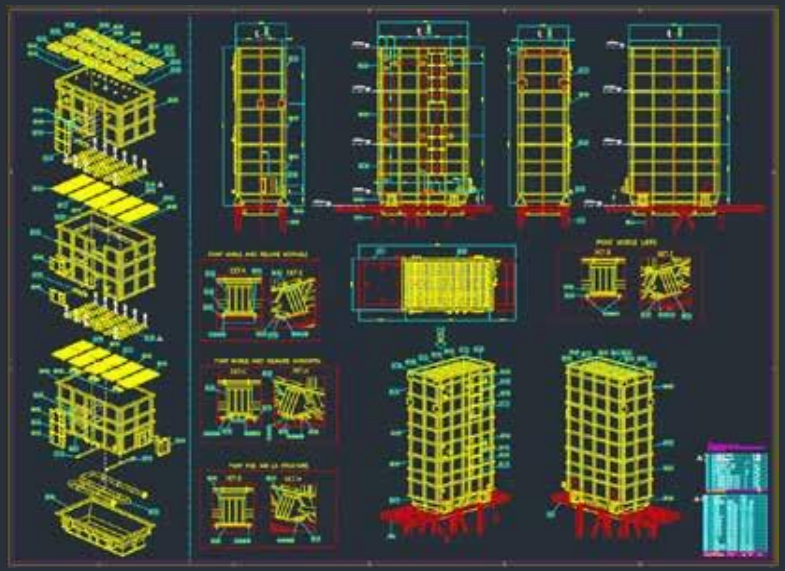
Construction Drawing

Thanks to the experience acquired over the years, DCF Project is able to create rich and detailed construction drawings, simple in coding and effective in description for the realization and assembly of the product in the workshop.

Construction drawings creation is an extremely important activity, decisive for realization and assembly of machinery or plant, on folding drawing indeed are reported all characteristics and peculiarities of each machinery or plant.

AT A GLANCE

- **Simpleness**
- **Details**



Our company has an high level experience in technical drawing realization, above all for what concernes folding drawings of particulars or assemblies for the construction and assembly of machinery and plants.

This activity, which has two-dimensional drawings as output, could be subsequent to the activity of projecting and modeling but could also be offered as a single activity, basing on existing projects.

AT A GLANCE

Development

Design

Revisions

Layout

Industrial layout means the logical development and physical arrangement of machines, production and power supply lines, equipment and support structures within a production space.

During the construction of a new industrial plant, as a rule, the final layout of the plant must be analyzed and designed keeping in mind production process, new lines and new machines.

The design of new industrial layouts for existing process and plants is carried out with the aim of adapting a process and / or a production line of the Customer, already suitable and effective for production purposes, to new requirements. Typical examples of such redesigns are represented by changes of site or new production needs.

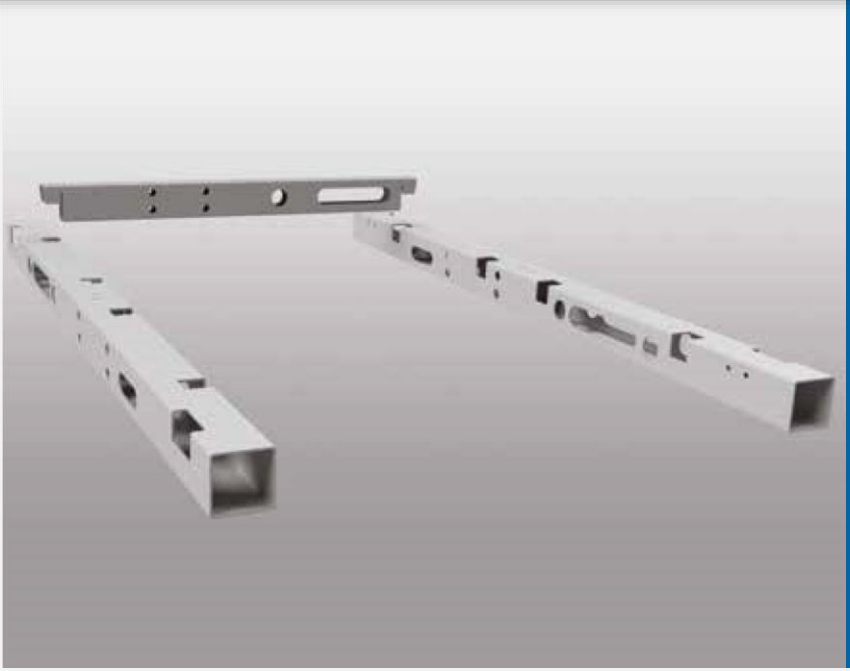
Tube Laser Design

DCF Project is able to design any type of structure, even complex, making the most of the use of the laser tube technology.

Joints and easy couplings make the tube laser choice an excellent solution to reduce production times and prices, gaining in production accuracy. All profi les fi les are supplied in any format suitable for the customer (step, iges, stl, etc ...)

AT A GLANCE

- **Accuracy**
- **Files**



WHY CHOOSE THE LASER TUBE TECHNOLOGY?

Laser cutting technology of the tubes replaces conventional technology, speeding up the processing and guaranteeing a high quality final product. A technique that is equivalent to the perfection of the cut, without smudging and above all it leads to obtaining great process benefits and a considerable cost

Sheet Metal Design

AT A GLANCE

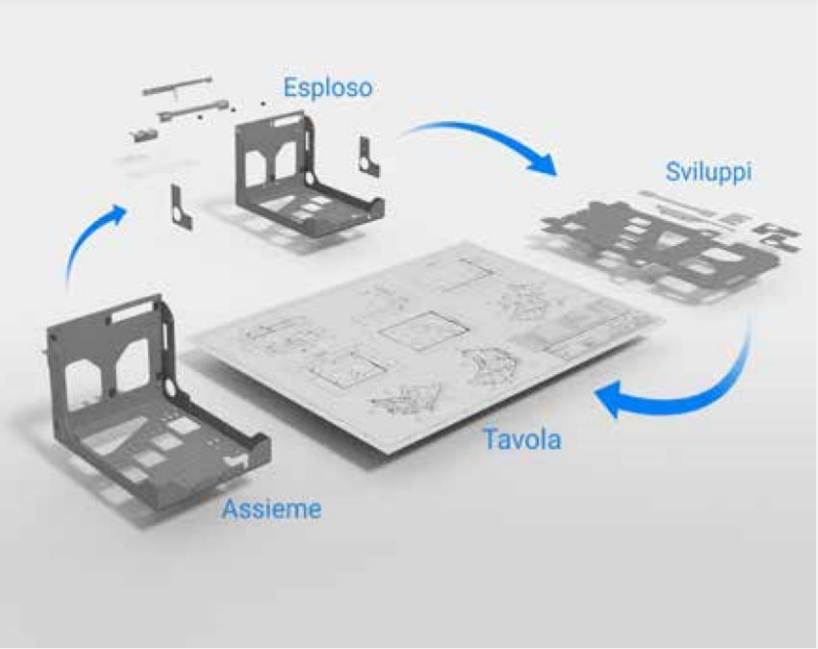
Experience

Detailed Drawings

Designing sheet metal product requires specific CAD tools which allow the management of the geometry in a two-dimensional way, leaving the program the control of bending radius, notches, folds and calculation of the development of the sheet.

Thanks to its experience, DCF Project is able to develop projects created partially or totally using sheet metal.

Over the years, DCF Project has been able to refine the developments of open sheets using specific withdrawals for each bending customer's machine, thus reducing coupling imperfections to the maximum. Detailed folding drawings, lists and cutting geometries are provided for laser nesting.



Metal Carpentry

DCF Project has a great experinece on developing assembly drawings and folding related to metal carpentry unbundling each single particular.

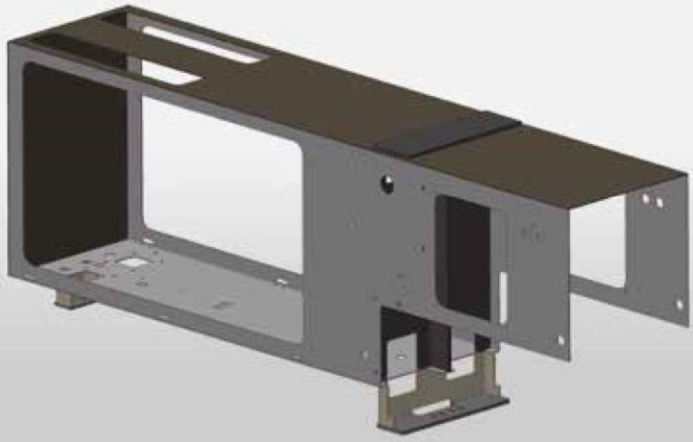
Usually we create:

- Drawing Parts detailed
- Folding Drawings
- Assembly Drawing
- Laser cutting geometries
- Tracing
- Production lists
- Material purchases lists

AT A GLANCE

Experience

Detailed Drawings



Thanks to the experience gained over the years in the fi eld of light and heavy carpentry, DCF Project is able to assist in the best way the customer in its designing process.

AT A GLANCE

Accuracy

Files

2D to 3D Conversion

Transposition demand of design schemes from paper support to digital support or from 2D to 3D is in continuous growth and more and more companies need it.

This requirement, as can be guessed, is the result of the progressive push towards a defi nitive transition to advanced design, construction and maintenance digital systems, in the face of the survival, to date, of enormous archives of drawings carried out with outdated methods, but still very precious for their content.

The need to carry out digital transposition is particularly evident in those realities which, despite having already made the technological “leap” to digital design, prefer to rely on someone outside to carry out the indispensable work of transposing paper archives which, not so seldom, have important dimensions.

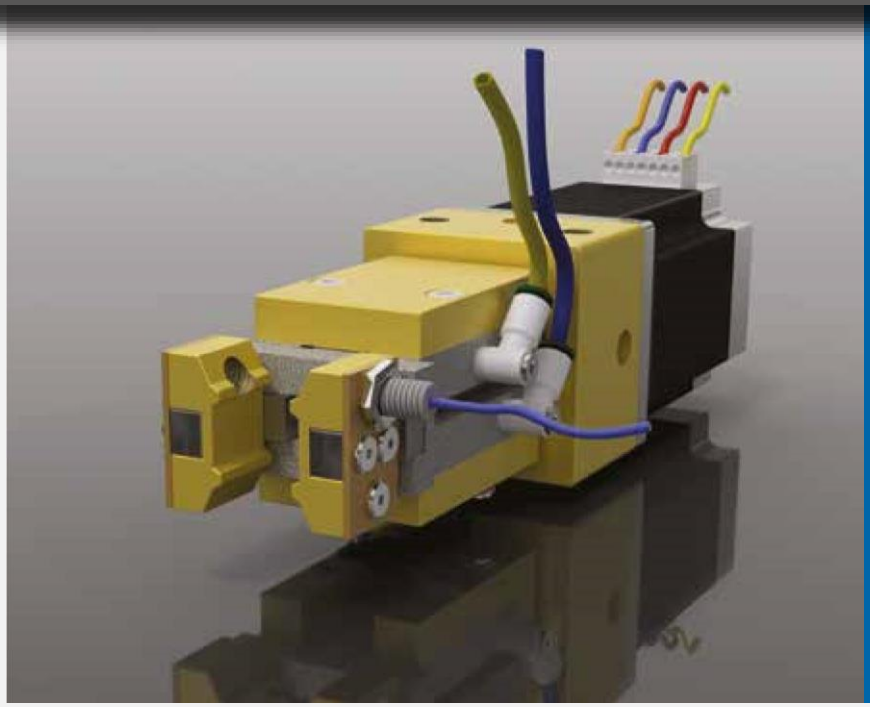
Render e video

DCF Project, due to its experience in the use of CAD technology, during the years has been able to refi ne its CAD rendering and video technique, and to provide its customers with increasingly detailed and photo-realistic images.

Through the use of dedicated software, DCF Project is also able to create animated videos, thus providing the client with project presentations and animations with a strong impact and value.

AT A GLANCE

- **Design**
- **Images**



Thanks to these renderings and videos, it is possible to show the functioning of machines and / or industrial plants, increasing the value and enhancing the main parts.

AT A GLANCE

Analysis

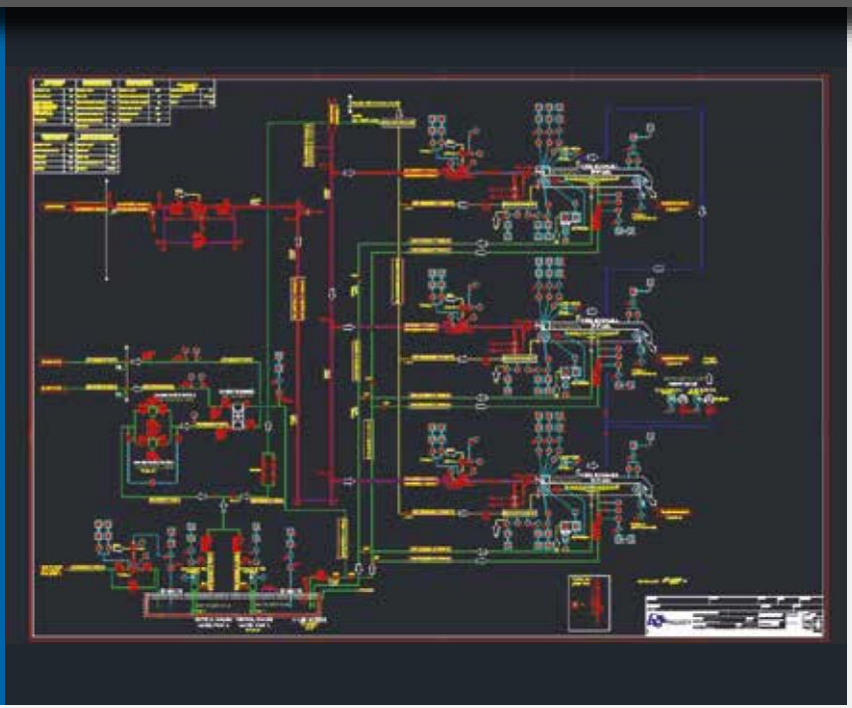
Accuracy

P&ID

Piping and Instrumentation Diagram “shows the interconnections between equipment of a process, piping system of the interconnections and tools/instruments used to control the process itself.

Thanks to its experience, DCF Project is able to quickly and easily generate an accurate documentation for the project, providing reports which allow you to start from the lists of production tools up to obtaining complete and marked diagrams in their entirety.

Symbols used to describe tools/ instruments are compliant with ISA standards (Instrumentation System and Automation Society), Standard S5, but they avoid an excessive schematization, aimed to the best explanation of the processes.



Piping & Isometric Sketch

Isometric drawings allow to see the development of an object in three dimensions. The isometric sketch of pipes is one of the most important drawing in designing piping systems. These drawings indeed are a part of a multi-stage designing process and are the very first document used for cutting and producing pipes.

Due to a non-scaled representation, complex and long tube segments can be compactly documented on a single sheet and are therefore easier to read.Dcf project creates complete and ready documents aimed on production.

AT A GLANCE

- **Analysis**
- **Accuracy**

In the isometric design procedure the individual components are represented by symbols, so each manufacturer can read these documents and produce pipes quickly and easily.

AT A GLANCE

Analysis

Layout Design

Feasibility Check

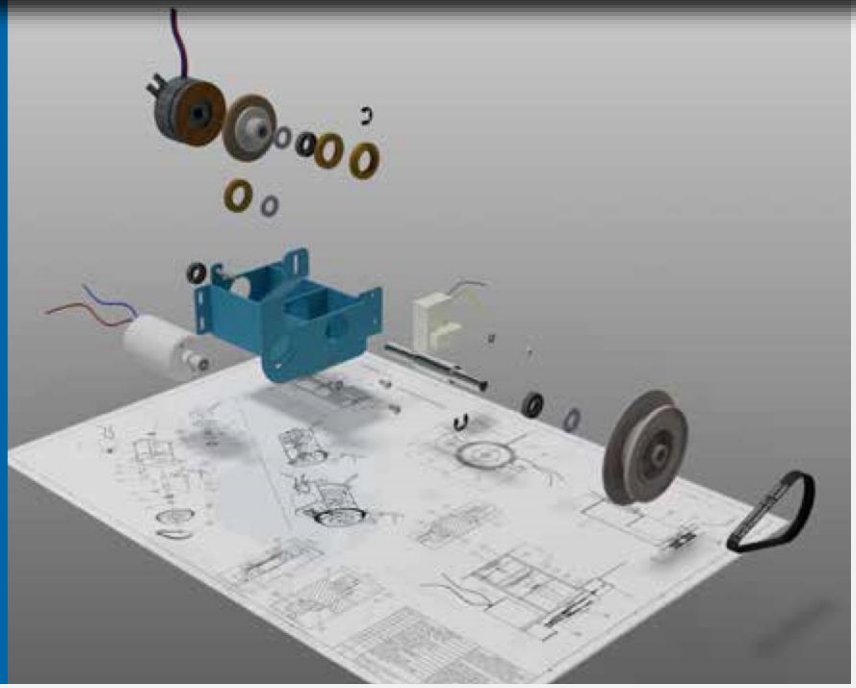
Engineering & Design

3D Exploded View

To complete the design, DCF Project is able to offer static and dynamic 3D exploded views for manuals, packing lists and presentations. DCF Project creates exploded views for spare parts management, particularly important activities for guaranteeing production continuity.

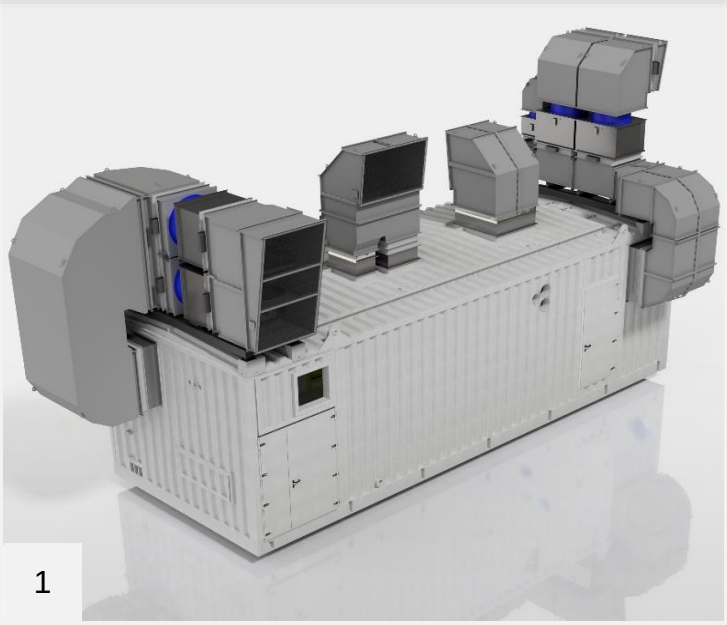
In the exploded views, the individual parts are represented separately in the order and in the reciprocal position in which they must be arranged during assembly. The realization of this type of material allows to manage spare parts in an easier and faster way, giving precise indications to the technicians.

The creation of exploded views is an activity that requires great attention and experience, as it must provide complete information, which allows technicians to perform the work with speed and precision and minimizing the margins of error.



Air Compressor Shelter. 1
Local Control Room. 2
Active Shelter Cooling. 3
Local Control Shelter . 4

Our Samples



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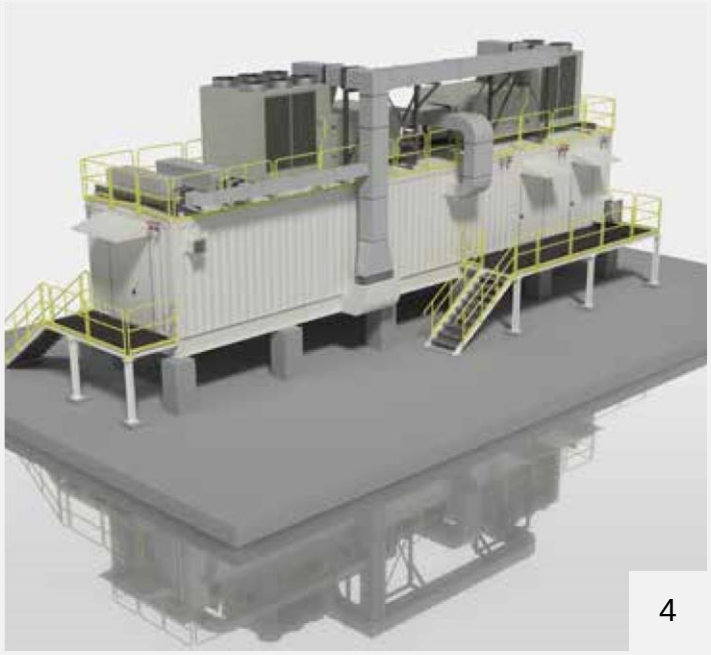

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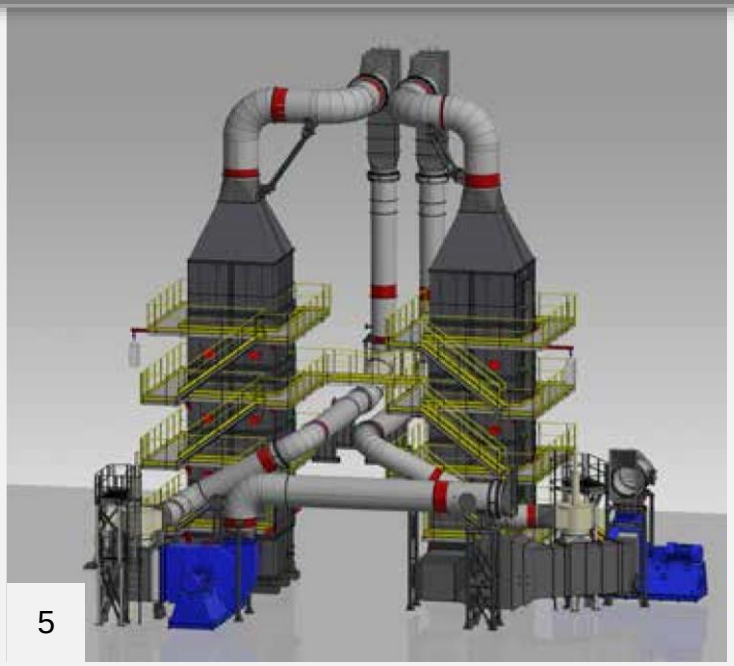
Our Samples

5. DeNOX SCR
6. Inlet Ducts
7/8. Smoke Inlet Ducts
9. Absorption Column



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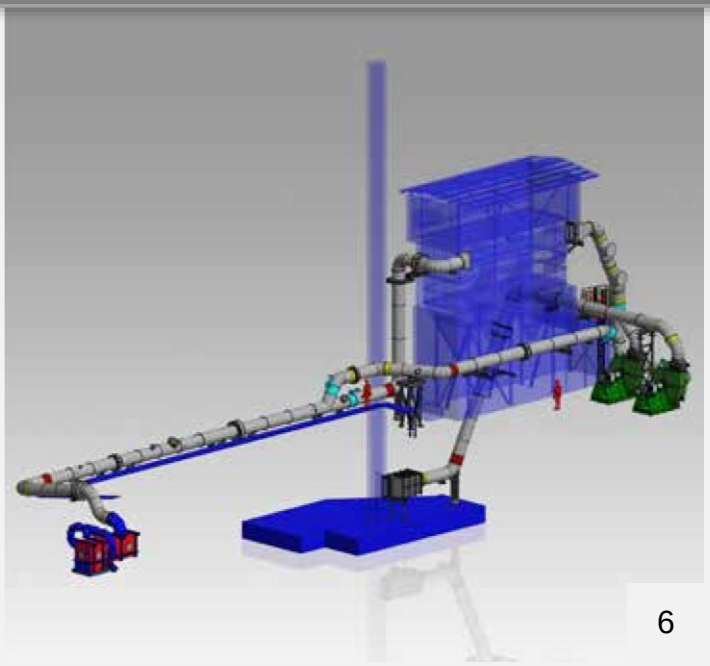

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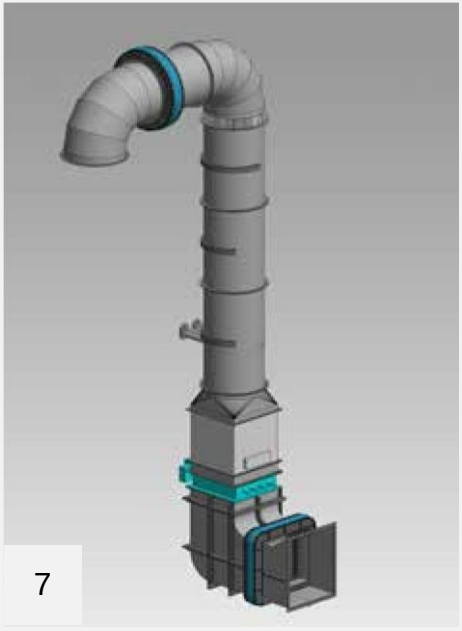

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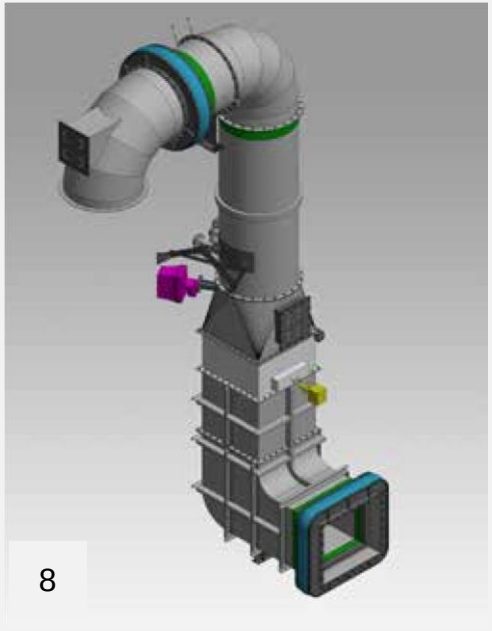

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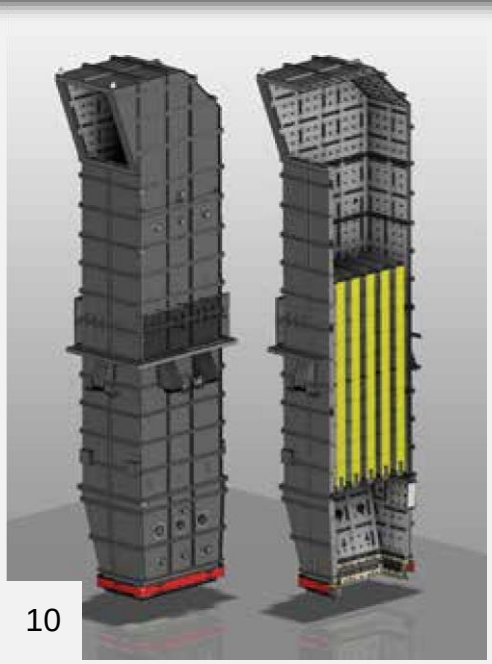
Our Samples



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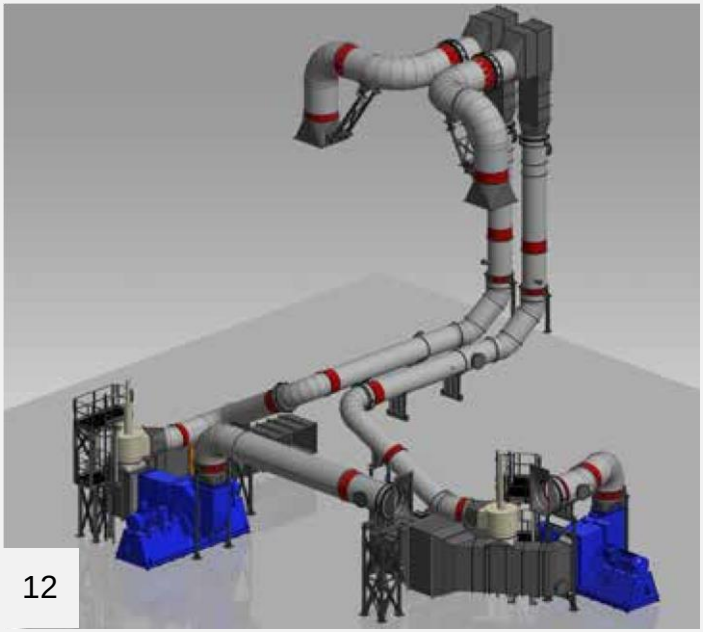

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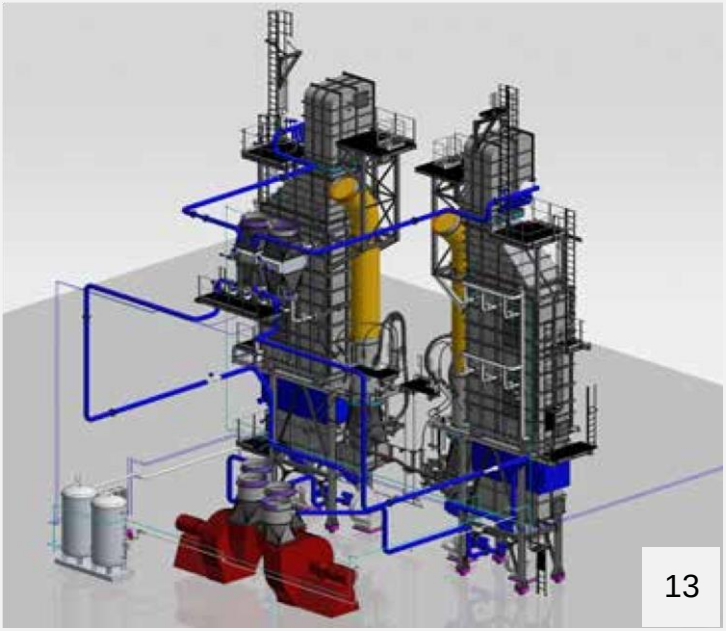

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Our Samples

14. Scrubber Venturi
15. Dust Suppression Plant
16. Reverse Osmosis System
17. Water Filtration System

14

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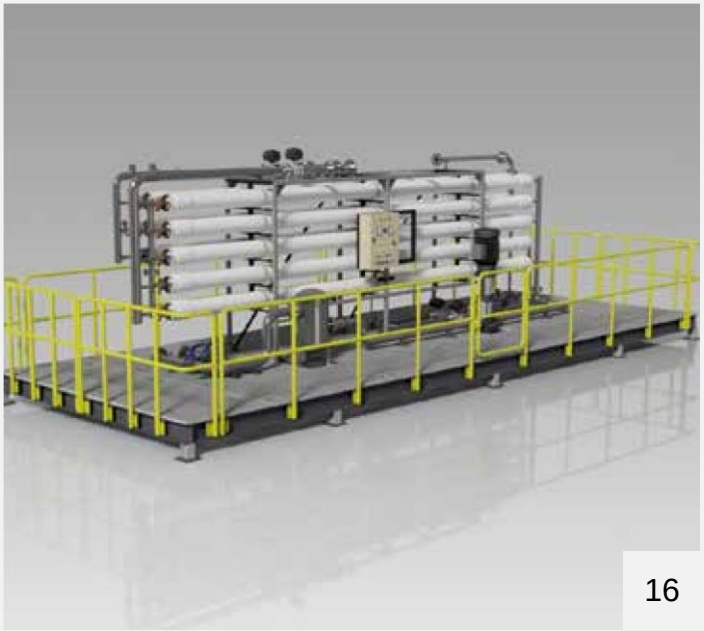

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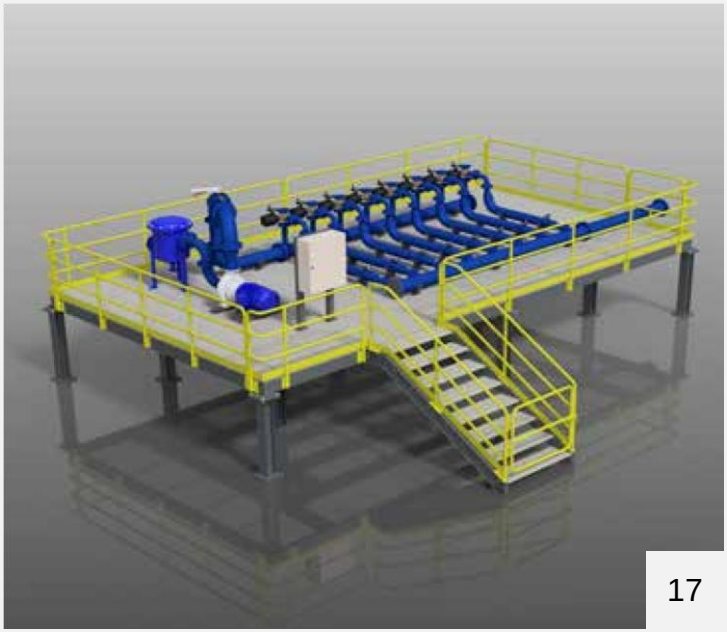

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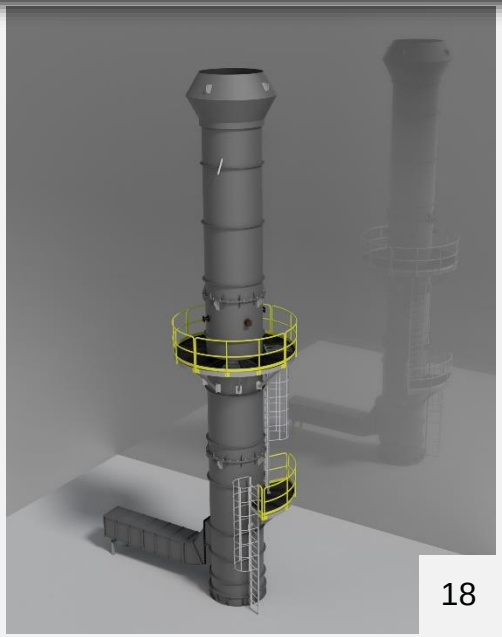

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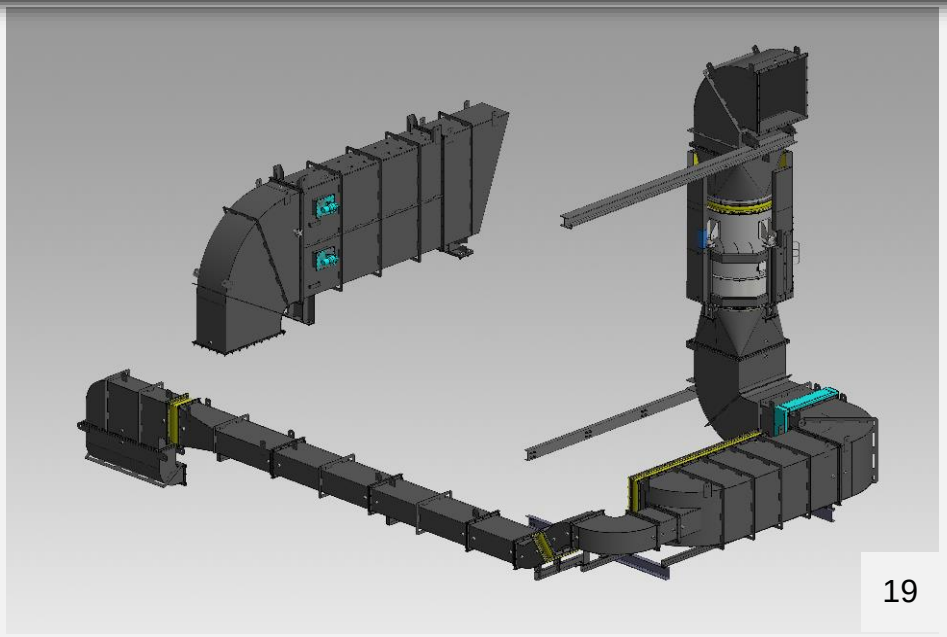

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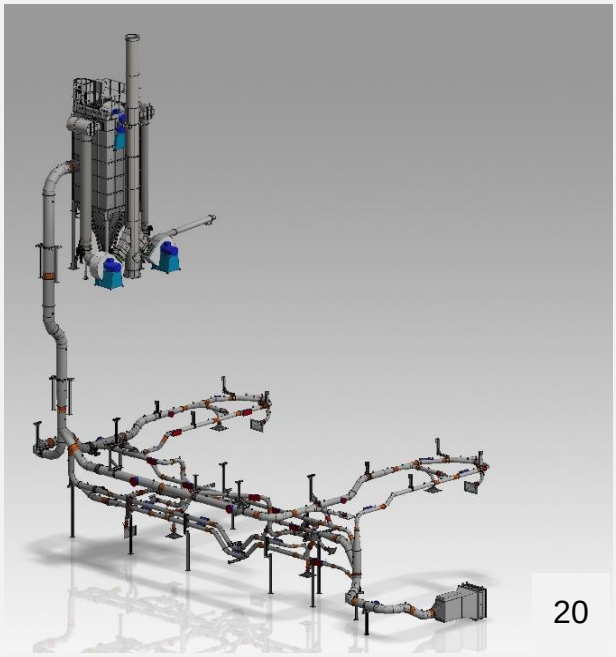

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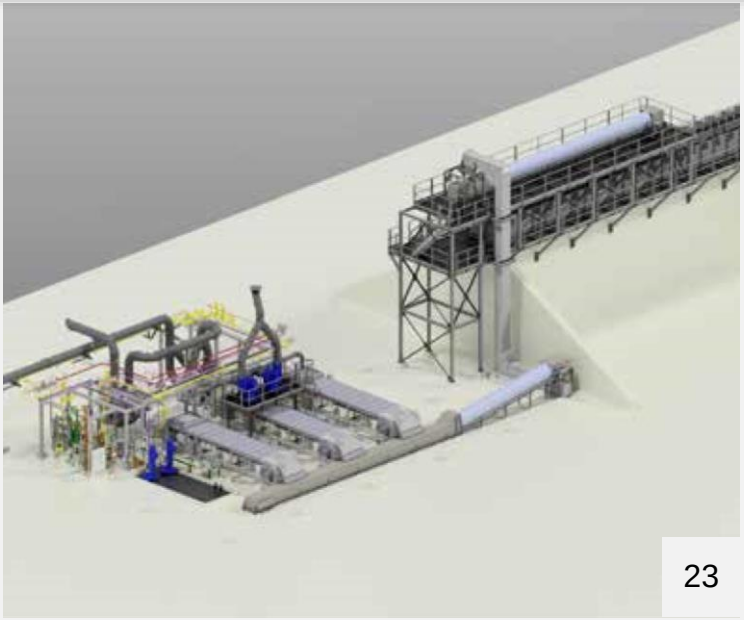
Our Samples

22. Food Freezing Tunnel
23. Sulphur Solidification Package
24. Lift
25. Structure

22



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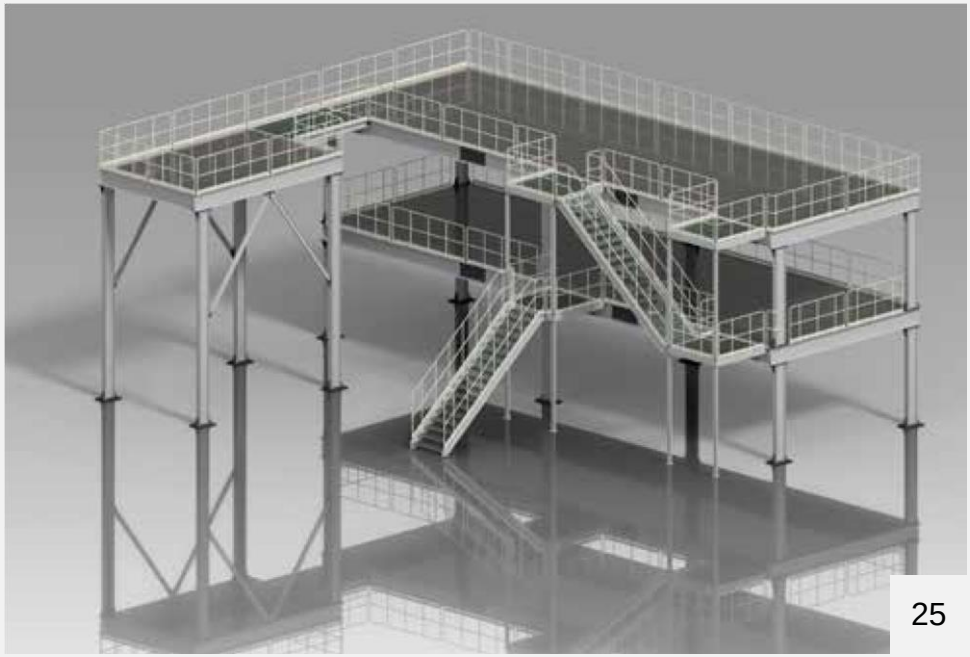

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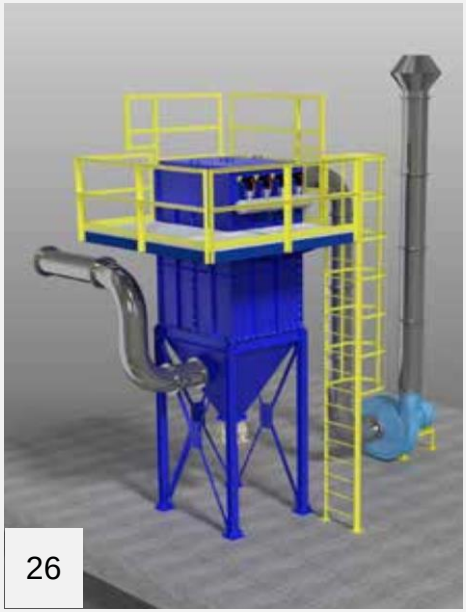

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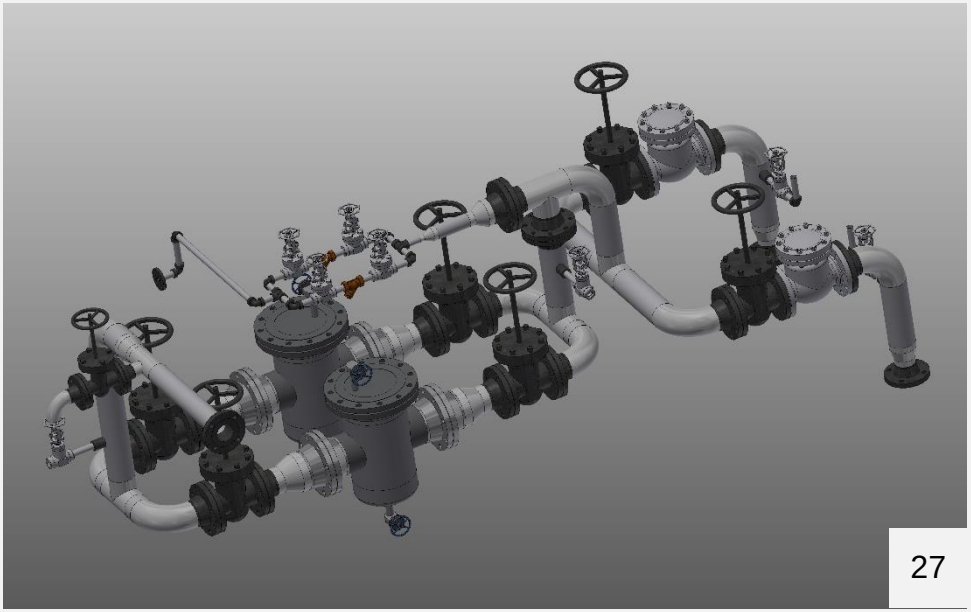

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Our Samples

30. Digital Printer A2
31. Metal Cabinet
32. Exploded View Clutch Unit
33. Sheet Metal Working Process

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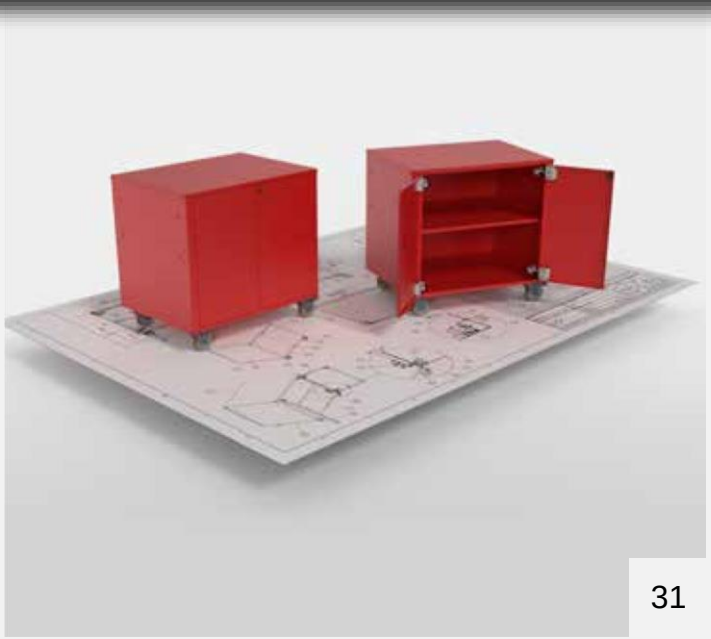

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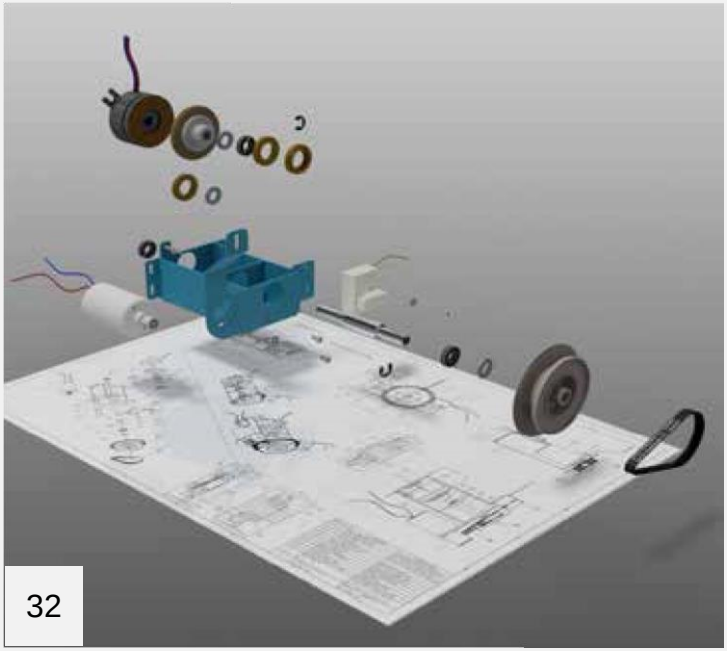

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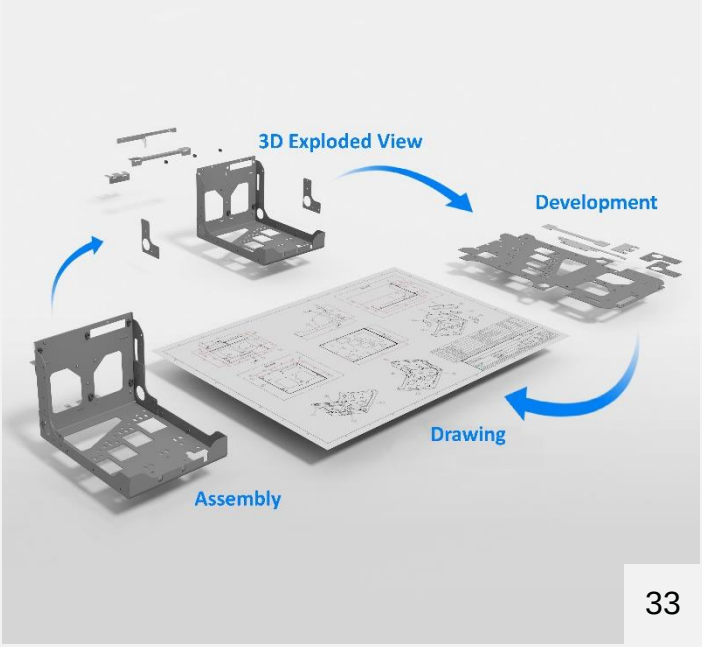

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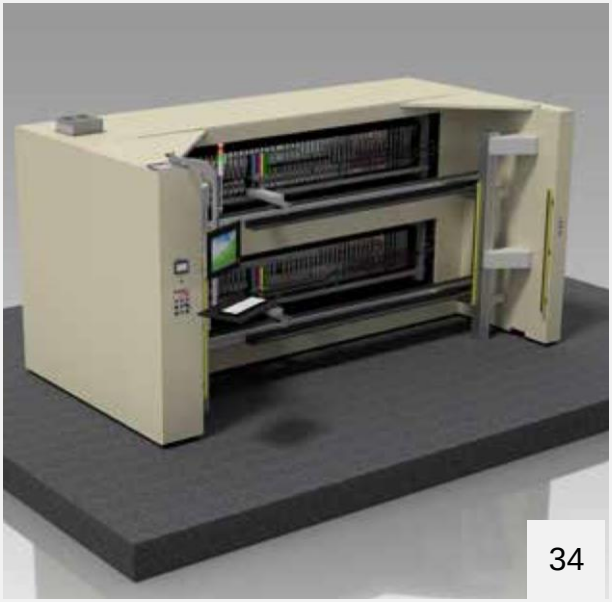
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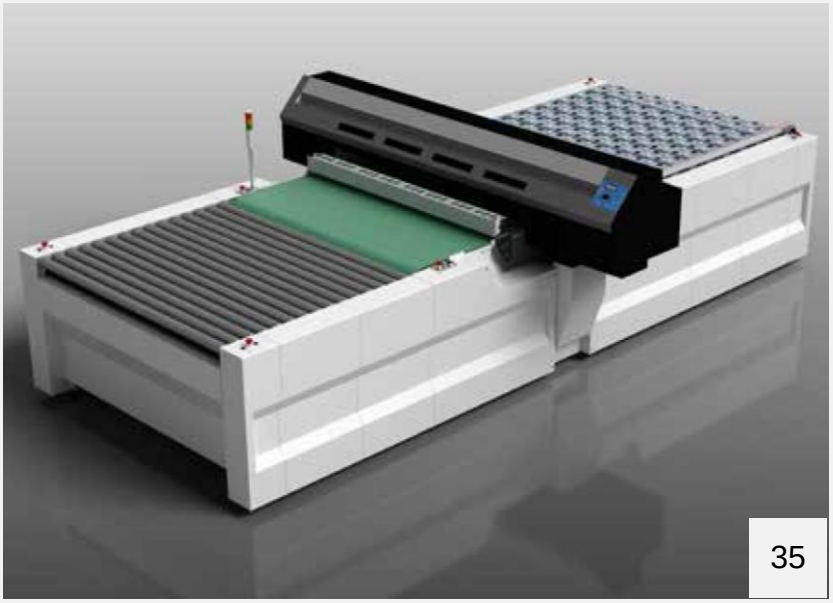
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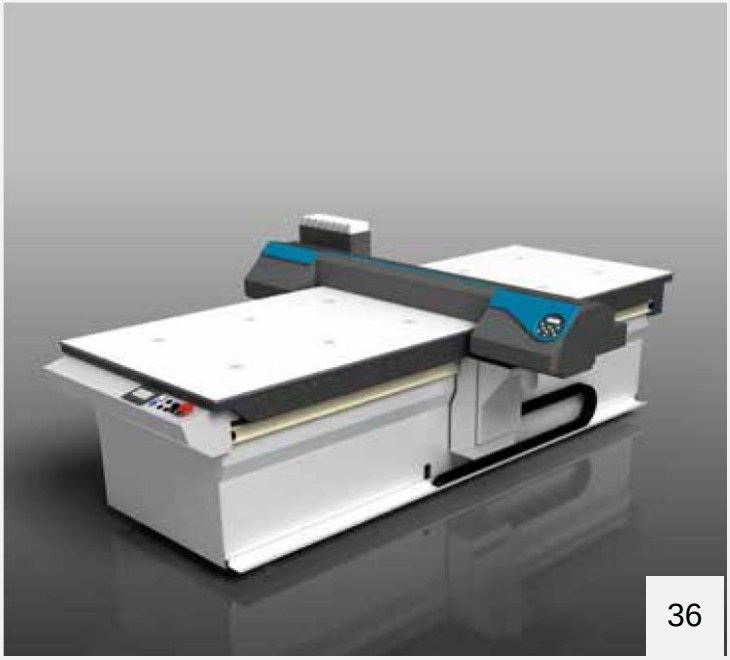
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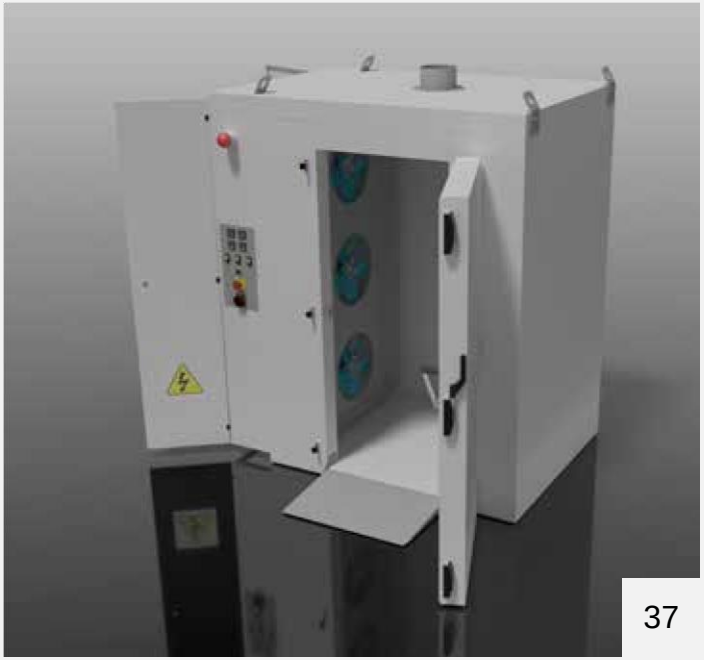
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Making ideas become truth

Realizing innovative projects

DCF Project s.r.l.

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