

SOFTWARE
ENGINEERING
LASER SCANNING
SALES MANAGEMENT
PROJECT MANAGEMENT
MARINE AND SHIPMENT

Our firm was founded by a group of passionate and enthusiastic professionals who believe that their various different skills in the IT and three-dimensional plant design sectors can contribute to the creation of software solutions which stand out because of their quality, skill and innovation.

Our sales department has been enriched by the partnership with: **Hexagon PPM** for the distribution of CADWorx Analysis Solutions and BricsCAD, **AT4 Smart Service** for the maintenance software solutions and asset management engineering, **Oman Drydock Company** port and logistic center, plant engineering and shipbuilding, **WeScan Solutions** laser scanning, topographic and BIM modeling activities, **Singeca** software for the productivity of your engineering dept., **Salerno Consulting** Company project management and project control activities.

Our Company is registered at the Chamber of Commerce of the Canton Ticino, Switzerland.



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Sales, software and engineering

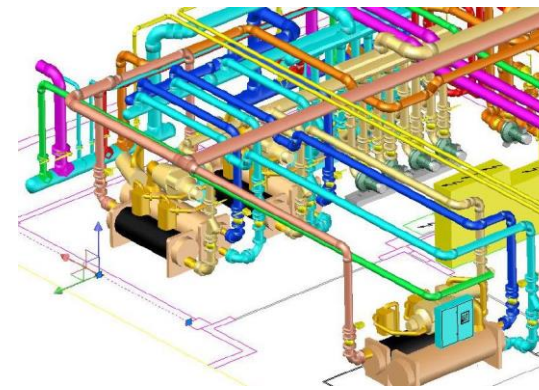
Software
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Laser scanning
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Project Management
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CADWORX AND BRICSCAD SOFTWARE SOLUTIONS

Our Company, through its consolidated partnership with Hexagon PPM, the world leader in IT solutions for the Process Power & Marine sector, our company deals in CADWorx Analysis Solution software, a line of products for planning using AutoCAD or Bricscad. 3Units avails itself of a highly qualified body of staff and is therefore able to provide training and/or consultation services as well as plant design planning services. 3Units is CADWorx and BricsCAD dealer for Italy, Italian Switzerland and Malta.

CADWorx is quick and easy to set up and use, so design can begin immediately. The bi-directional links between CADWorx and analysis programs for pipes and vessels enable designers and engineers to easily share information while keeping the drawings, models, and related information continuously synchronized as changes are made. The fast processing and highly refined user-interface features in CADWorx empower users to work efficiently together, even on large models.

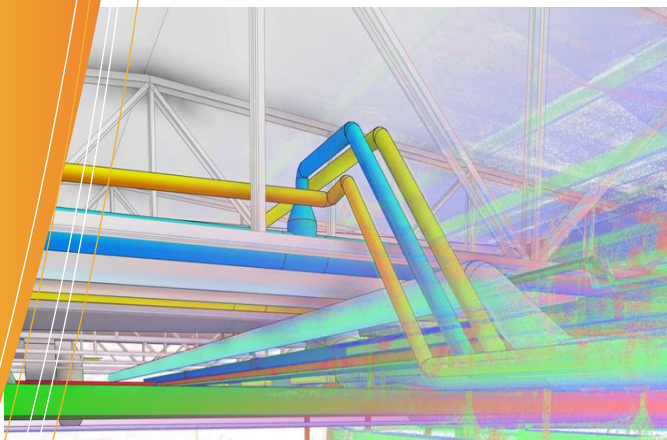


LASER SCANNING

The combination of resources between our companies allows us to manage, and be competitive, even on complex projects that require a substantial effort of hours for data processing, model registration and their 2D / 3D processing (dwg format or other upon request); for architectural or building surveys we are able to provide compatible files for BIM design.

The main areas where we operate are: plant engineering and infrastructure, architecture and urban, geology, industrial archeology and cataloging, topography, etc.

The laser scanner technology, is today the most innovative, rapid and extremely accurate, to perform measurements of objects and surfaces of any complexity and size. The individual scans, reconnect to each other in space by means of unique points in common between them, it allows to obtain a digital model consists of millions of 3D points, corresponding to the reality and having millimetric-precision.



PLANT AND ANALYSIS ENGINEERING

Our team is composed of professionals with twenty years experience in the field of plant design (2D / 3D) and analysis (stress analysis) and is able to operate in the following sectors: petrochemical, iron and steel, shipbuilding, energy, water treatment, transport, etc.; we can use the most popular software on the market, such as: Autocad, Inventor, Smart 3D, CADWorx, AutoPLANT, E3D/PDMS. The team supports Customers throughout the project cycle, from layout viability to the preparation of shop drawings for isometrics, supports and steel ancillary structures.

Among the plants we have developed we are particularly proud of our work on heating oil refinery furnaces. For such projects we have also carried out stress analysis on internal and external lines, the piping assembly development, isometrics, bills of materials and the specifications of the supports for burner supply lines, product input lines, transfer lines and decoking lines.

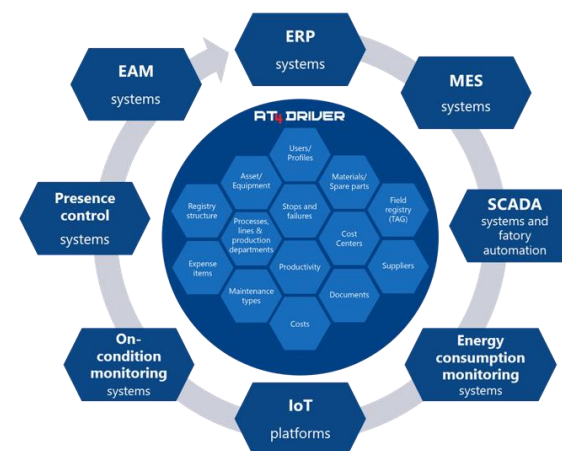
Our major activities

Plant 3D engineering, Steel structure and civil design, Mechanical engineering, Fire prevention system design, E&I Engineering, Stress analysis, FEM analysis, Structural checks, Dimensioning of pressure vessel, Computational Fluid Dynamics (CFD), BIM modeling, laser scanning, reverse engineering, Architectural survey, Photogrammetric and Topographic survey.

Sales, software and engineering

AT4 SMART SERVICE

Complete platform for asset management in accordance with ISO 55000. The main objective of the AT4 Smart Services platform is to increase the reliability, efficiency and productivity of industrial production processes through the design, development and implementation of the control system, support and management of maintenance best practices (World Class Maintenance and related concepts) and all related services.



Built with advanced technological and applicative solutions, it is based on concepts of deep learning, machine learning and artificial intelligence; it is fully integrated into the process of industrial digitization 4.0 to predict and prevent issues and allows decision-makers to drive operational efficiency through full control of all parameters and results of improvement actions.



Software for engineering dept.

Drawings conversion

From .idw to pdf, dwg or dxf: just select the assembly, end export all parts drawings with one click.

3D PDF from Inventor

Convert your models to 3D PDF to share them with whoever you want, make lists, spare parts catalogs, instruction manuals that put 2D and 3D together.

Custom Solutions

For Bricscad, Autocad, Inventor and Office users: Have you ever thought about how many tasks can be automated?



Marine and shipment

3Units is the representative of Oman Drydock in the areas of Italy, Switzerland, Malta, Egypt, Libya, Bahrain, Saudi Arabia and Argentina for the development of maritime, logistic and port activities in the Duqm area in Oman, an important part of the project is also the technological development of the complex. With ODC we collaborate in the field of plant and shipbuilding engineering, mainly in the Persian Gulf area.