



- SOFTWARE
- ENGINEERING
- DIGITAL TWIN
- 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.

3Units is a sales and management company located in Canton Ticino (CH) with branches in Bahrain and Sweden, we are the head of a consortium of companies for plant engineering and laser scanning activities; operationally we are characterized by extreme organizational flexibility, flexible working hours that can be adapted to the needs of the project, a reduction in time and costs which is reflected in the services and systems created.

The sales department, in addition to being enriched by the important collaboration with Hexagon AB world leader in the supply of software for infrastructure engineering, is mainly involved in: plant engineering and 3D modeling, analysis engineering, laser scanning activities and BIM design, project management and project control activities, software and services for digital automation, digital twin, maintenance engineering and asset management software and services, software solutions and services for productivity activities, logistic and port services.

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



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Sales, software and engineering

- Software
- Engineering
- Digital Twin
- Laser scanning
- Sales management
- Project Management
- Marine and Shipment

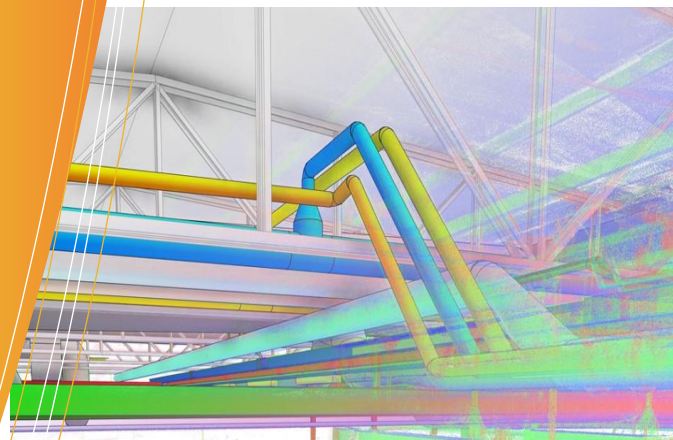


LASER SCANNING

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 milimetric-precision.

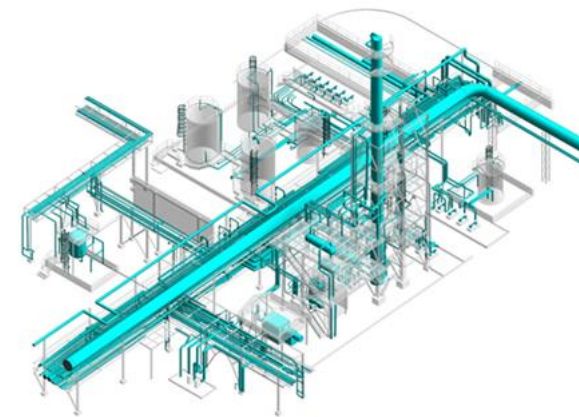


HEXAGON AB

Our Company has signed an important partnership agreement with Bentley Systems, the world leader for the infrastructure engineering and innovative software for **Italy, Switzerland and Malta**.

Hexagon's Manufacturing Intelligence division empowers customers to put data to work throughout the product manufacturing lifecycle, digitally transforming operations to improve productivity and efficiency while embedding quality throughout the process.

Our technologies enable manufacturers to access, analyse and actively leverage data from all key stages of the manufacturing process to empower better decision-making. Our knowledge and experience provides customers with the tools – and the confidence – to accelerate innovation and reduce time-to-market while delivering quality products.



Sales, software and engineering

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, OpenPlant, E3D. The team supports Customers throughout the project cycle, from layout viability to the preparation of shop drawings for isometrics, supports and steel ancillary structures.

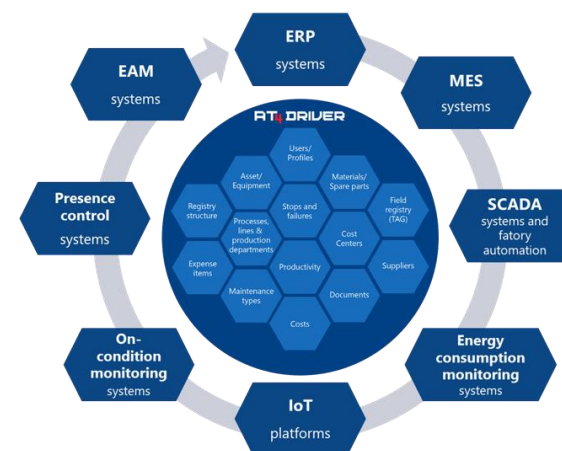
Among the plants we have developed we are particularly proud of our work on heating oil refinery furnaces. For such projects we have also carried out stress analysis on internal and external lines, the piping assembly development, isometrics, bills of materials and the specifications of the supports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

DIGITALIZATION AND ASSET MANAGEMENT

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?

Intergraph Engineering IEES

IEES' goal is to meet your needs by offering you a complete portfolio that includes engineering services, environmental studies, technical supervision of projects and on-site services. We have consolidated experience in the fields of technical design, process engineering, procurement and construction management, laser scanning, hydraulic studies and site engineering.

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.