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WHOM WE ADDRESS TO?



REFINERIES

OFF-SHORE PLATFORMS



COASTAL DEPOSITS

WHOM WE ADDRESS TO?

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DISCHARGE TERMINALS

PIPELINES



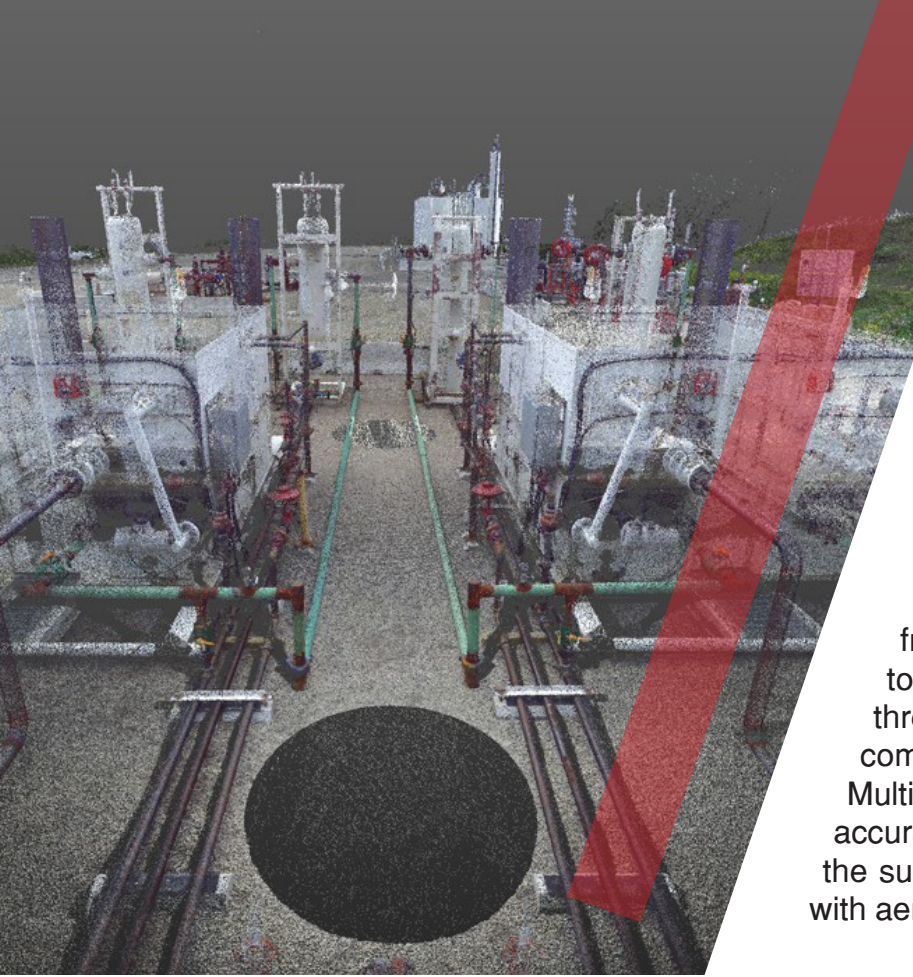
REGASIFICATION PLANTS

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WHAT DO WE OFFER?



3D SCANNING

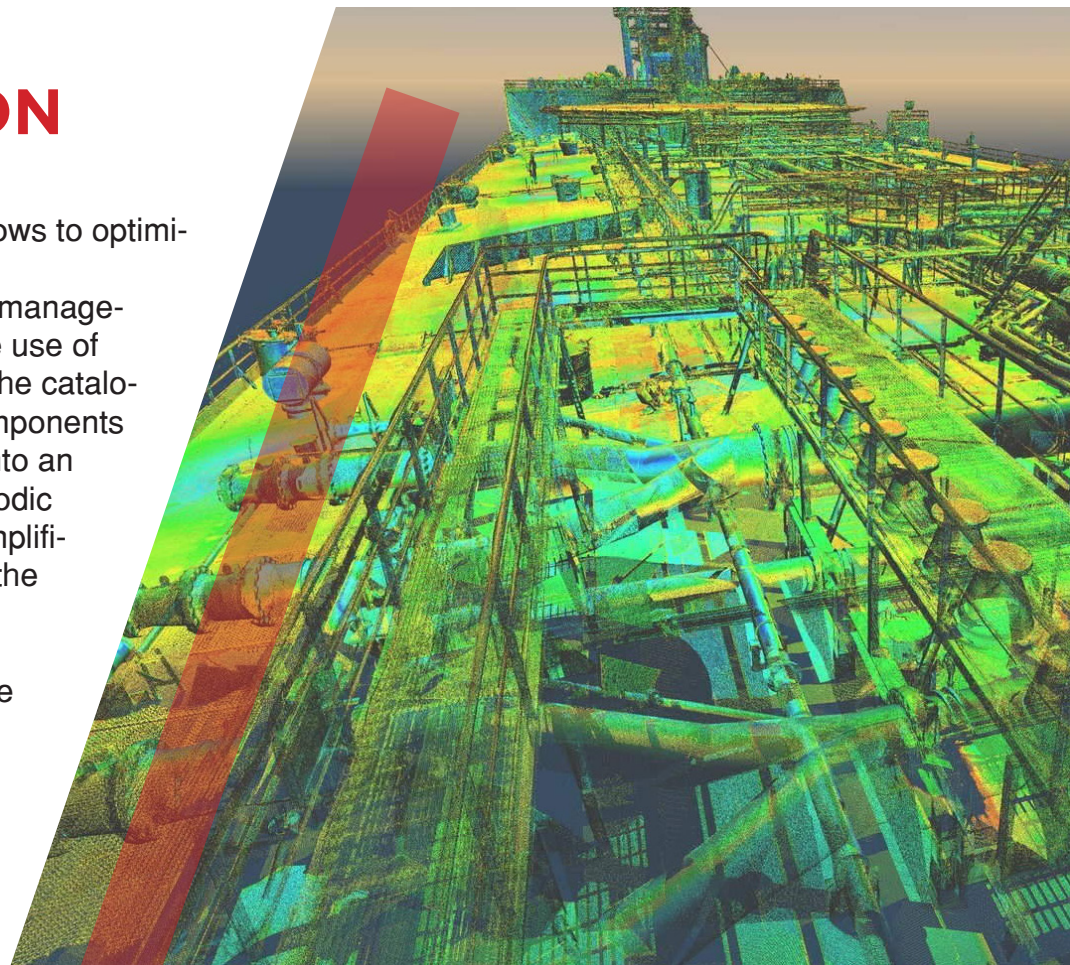
3D Scanning is one of the main services offered by Multiscan, our experience in the industrial sector allows the customer to have the peace of mind and the guarantee of a result exceeding expectations. Multiscan offers a complete service from the raw scanning with point cloud to all the subsequent steps up to a three-dimensional modeling to obtain a complete reverse engineering process. Multiscan uses high quality laser scanners with accuracies down to a hundredth of a millimeter, the survey, where necessary, can be integrated with aerial photogrammetry performed by drones.

OPTIMIZATION

A three-dimensional survey allows to optimize time and costs.

The 3D scan allows the digital management of the plant, thanks to the use of BIM technology, which allows the cataloguing of the layout and the components of the plant, which translates into an intelligent programming of periodic maintenance as well as the simplification of the understanding of the plants themselves.

Moreover, three-dimensional scanning also makes it possible to optimize the time needed to make changes to the plants, thus limiting plant downtime that is economically burdensome for the company.



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ASSEMBLY ASSISTANCE

By using 3D scanning and tools with centesimal tolerances we are able to assist in the assembly of components and plants.

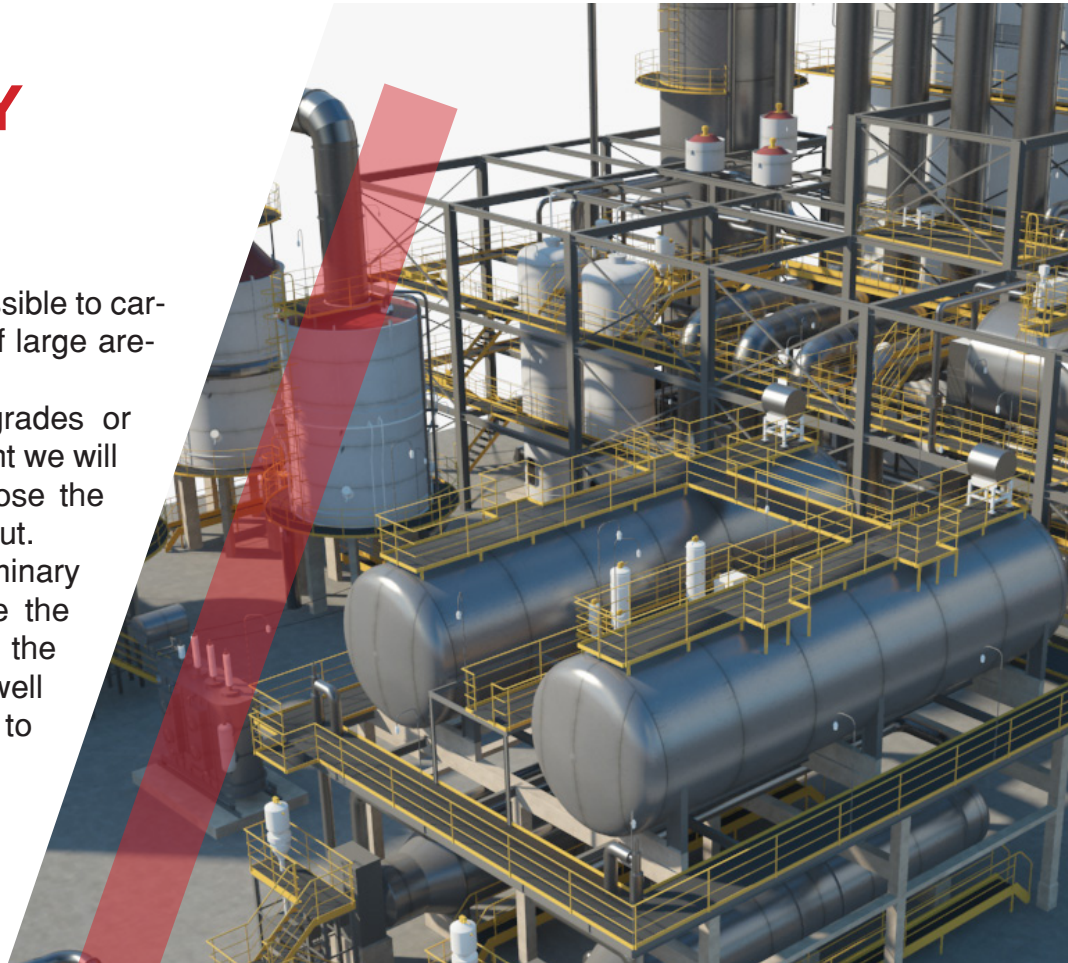
When it is necessary to align components, both in the case of precision assembly and in the case of large structures, we offer an assembly assistance service with the help of specialized technicians who can advise and verify the correct assembly to ensure an optimal result.

PRELIMINARY DESIGN

Thanks to 3D scanning it is possible to carry out precise surveys, even of large areas.

In case of modifications, upgrades or new installations within the plant we will be able to evaluate and propose the most suitable solution and layout.

By taking care of the preliminary design the company will have the peace of mind and security of the feasibility of its intentions, as well as allowing an optimized layout to the rest of the existing plant.

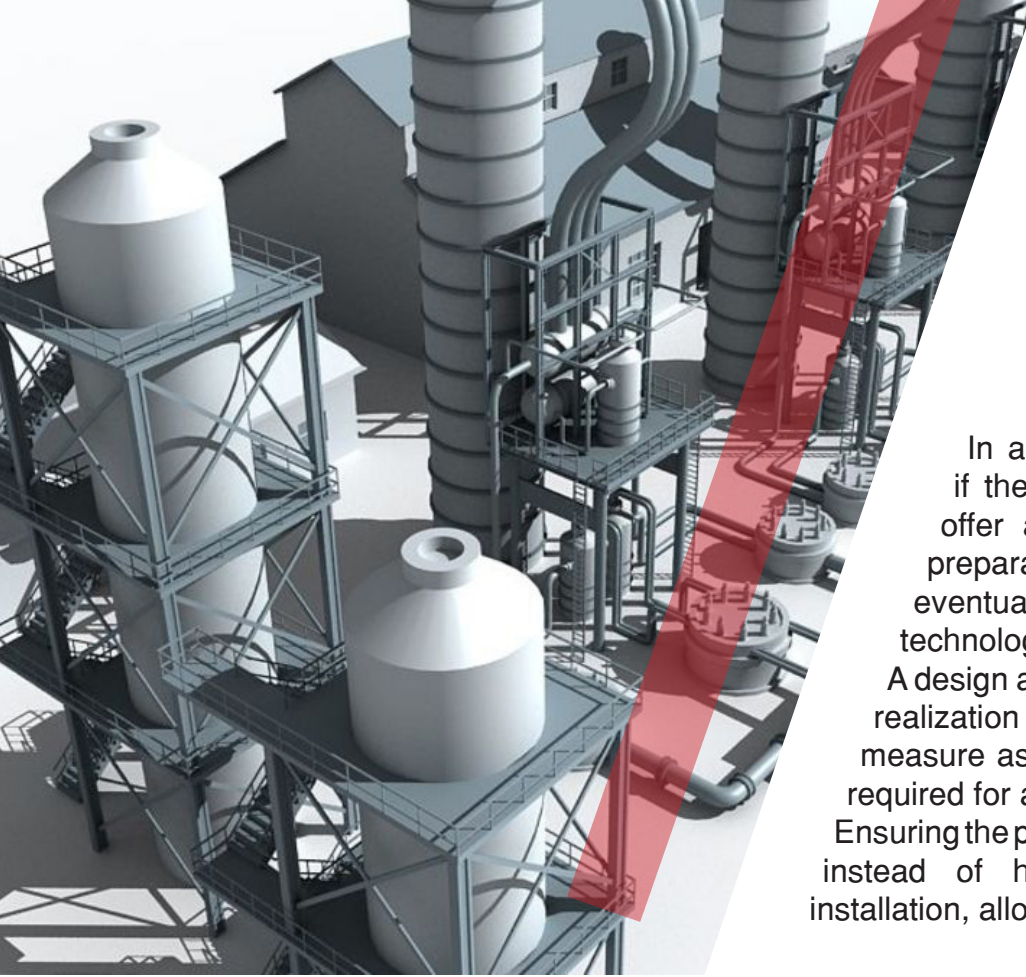


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EXECUTIVE DESIGN

In addition to the preliminary design, if the customer is interested, we also offer a complete design service, with preparation of executive drawings, and eventual predisposition of the plant to BIM technology.

A design assisted by 3D scanning allows the realization of structures and basements to measure as well as optimize layout and time required for assembly.

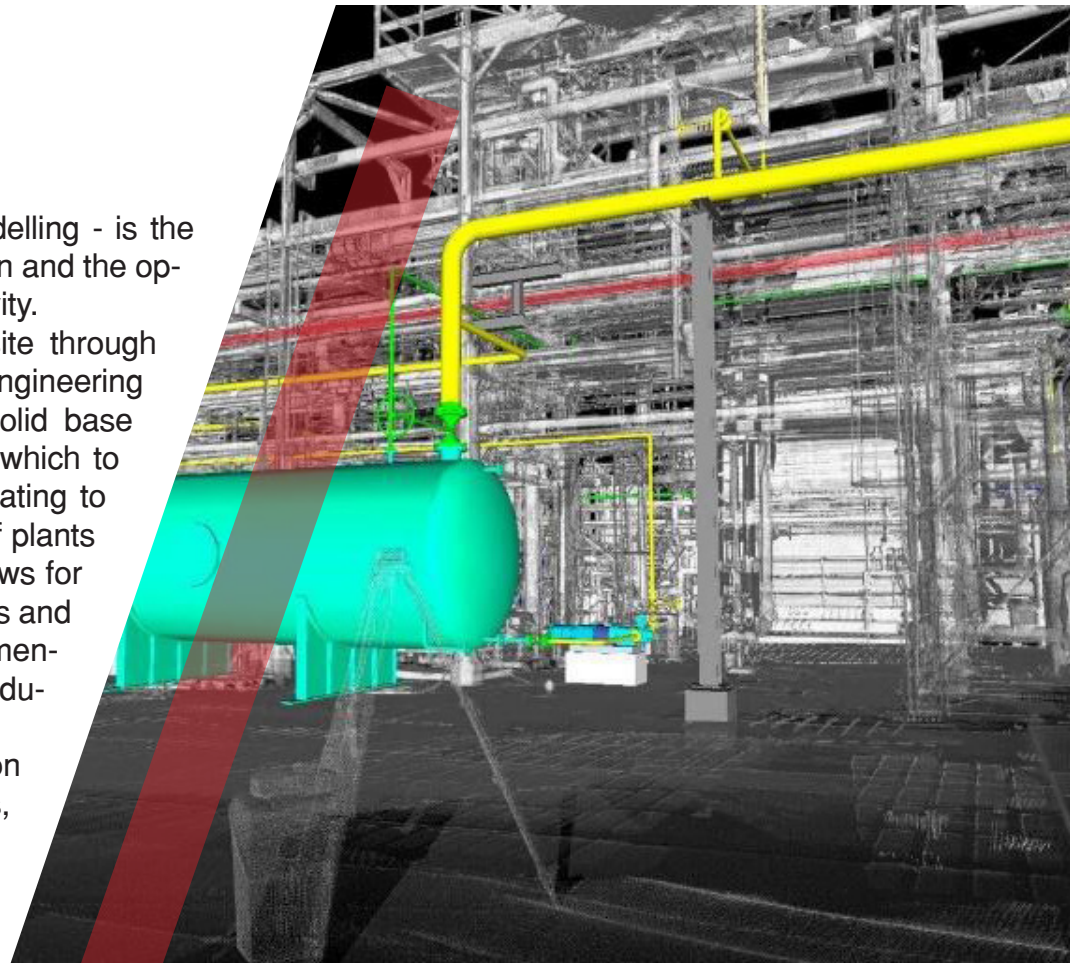
Ensuring the prefabrication of exact components, instead of having to modify them during installation, allows to contain time and costs.

BIM

BIM - Building information modelling - is the new frontier of digital information and the optimization of work and productivity.

Starting from the survey on site through 3D scanning with reverse engineering processes we can create a solid base on which to build a system in which to integrate all the information relating to the existing and any updates of plants and components. BIM also allows for the cataloging of all components and their data, including: measurements, catalog codes, and any scheduled maintenance dates.

The BIM also allows integration with Augmented Reality viewers, allowing the operator a better understanding.



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PARTNERS IN THE GREEN TRANSITION

Nowadays sustainability is an integral part of our lives, in the same way also for companies it is time to start a transition towards a greener and sustainable management.

Multiscan can help you to do this, even and especially for plants and facilities that are old and do not have up-to-date layouts, at your side we can follow step by step the transition from traditional systems to modern and sustainable plants.

Most multinational companies are investing significant resources in the green transition to comply with EU directives and to shift their production towards sustainable products. In the process of decarbonization, hydrocarbon refineries are increasingly being converted to enable biofuel production, and the new frontier of hydrogen will increasingly take hold. Our team will take care of the space and plant survey, design, preparation of the executive drawings and implementation with BIM technology. Multiscan can be your partner in the start of the green transition, for a transformation of the plants in compliance with current regulations and in the economic and sustainability goals of the company itself.



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