

The background of the advertisement is a vibrant red with large, overlapping circular patterns. In the center, a large white cylindrical tank is being hoisted by a complex system of cables and pulleys. Two large Autovictor cranes are visible, their booms extending upwards and outwards, supporting the tank. The cranes have 'autovictor' and 'www.autovictor.it' printed on them. At the bottom left, a worker in a white hard hat and safety vest is visible, standing near the base of one of the cranes. The overall scene depicts a heavy industrial lifting operation.

# autovictor



*Keep on moving to the future.*

## OIL & GAS

*Your Single Source for  
Complete Installation Solutions*

Lifting, transporting, and installing oversized components in Oil & Gas plants, particularly refineries, are highly technical and strategic tasks. The combination of limited operating space, structural constraints, and stringent safety requirements requires the use of specialized equipment, such as large-capacity crawler and all-terrain cranes, hydraulic lifting systems, and SPMT trailers, complemented by meticulous engineering planning.

The efficiency and safety of these tasks depend on the synergy between design, operational experience, and advanced technologies, which minimize plant downtime, reduce risks, and ensure the integrity of the components being handled. Autovictor, with a multidisciplinary approach and the use of highly qualified operators, ensures the precise, reliable, and safe execution of these operations in highly complex industrial environments.

## ***Operations Planning and Engineering***

During the initial phase of each project, the Autovictor team conducts technical and engineering analyses to prepare feasibility studies and operational planning.

This activity includes analyzing the specific dimensions and weight of the component to be moved; any topographical surveys and site surveys to assess obstacles, interferences, and internal traffic flow; and, above all, a meticulous assessment of the load-bearing capacity of the ground and existing structures.

Once the various analysis criteria have been established, a Lifting or Transport Operations Plan is developed, defining the best and safest crane type and configuration (e.g., crawler crane or all-terrain crane with jib or superlift). This includes CAD and 3D studies of the maneuvering sequences, including the possible use of a tandem lift or tailing activity with Autovictor SPMT trailers.

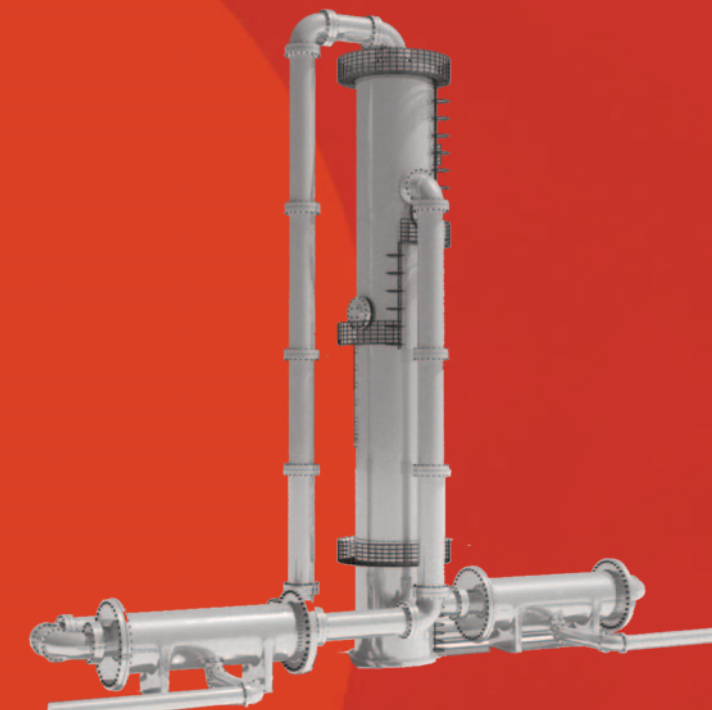
For oversize transport on site and any handling, Autovictor provides SPMT trailers with a capacity of 48 tons per axle.

## ***Equipment Selection and Configuration***

The handling and installation of columns, reactors, heat exchangers, pressure vessels and compressors in refineries requires further attention given the size limitations and extremely stringent safety requirements in active plants and refineries.

The cranes used in these contexts must ensure high capacity, pinpoint precision, and compactness, such as Autovictor crawler and all-terrain cranes with capacities up to 800 tons. Autovictor, with its extensive fleet of equipment, often uses more flexible and quick-to-deploy cranes, such as telescopic mobile cranes, used for both medium-sized loads and as secondary support during tailing operations.

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## ***Internal Transport and Positioning***

For internal handling, Autovictor uses the most technologically advanced vehicles (SPMT modular trailers) for transport from the logistics area to the installation site. These trailers have a capacity of up to 48 tons per axle, remotely controlled 360° electronic steering, and multi-axes leveling, allowing for synchronized, pinpoint movements in confined spaces and even in live refinery.

## ***Final Installation in Refineries and Oil & Gas Plants***

Autovictor often performs vertical lifting operations of columns and reactors using two cranes: a main crane and an auxiliary crane (tailing crane). These operations require perfect synchronization between Autovictor operators. Our operators' many years of experience guarantee safety and reliability.

For the installation of exchangers or compressors, lifting often takes place in confined spaces between pipe racks and prefabricated structures. In this case, Autovictor uses more flexible means, with smaller capacity and size, to still be able to perform the final positioning safely and precisely.

# Equipment

The Oil & Gas industry requires increasingly experienced workers and ever-higher standards to ensure its smooth operation. For this reason, Autovictor has been the benchmark for this market for decades, offering safe and specialized services, always with an eye on progress.

## Heavy Lifting



CRAWLER CRANE



ALL TERRAIN CRANE



ROUGH TERRAIN CRANE



PICK & CARRY CRANE

## Heavy Transport



SPMT



STANDARD TRANSPORT



OVERSIZE TRANSPORT



TRACTOR WITH CRANE

## Aerial Platforms



TRUCK-MOUNTED  
AERIAL PLATFORM



SCISSORS  
AERIAL PLATFORM



ARTICULATED BOOM  
AERIAL PLATFORM



TELESCOPIC BOOM  
AERIAL PLATFORM

## Technical solutions



MACHINERY  
MOVEMENT



ASSEMBLY OF  
PREFABRICATED STRUCTURES



LIFTING WITH  
HYDRAULIC JACKS



LOAD  
TESTS

## Telescopic Handlers



FORKLIFTS



TELESCOPIC HANDLER  
FIXED BOOM



ROTATING  
TELESCOPIC HANDLER



TELESCOPIC HANDLER  
OPTIONAL

## Van



**autovictor**

Group-Owned  
Equipment  
with / without  
Operator

# HSE

*Autovictor believes that continuous improvement is the key to achieving excellence by combining corporate growth with high standards of quality and efficiency in the services provided, respect for the environment, and protection of the health and safety of its workers.*

## Construction Site Safety Management

- o Assessment of critical issues related to the transportation and lifting of Oil & Gas-related products and definition of a plan with appropriate safety measures.
- o Careful monitoring of the lifting, transportation, and final installation sequence of products, often in restricted areas such as refineries and petrochemical plants, during full operation.
- o Continuous coordination of construction site activities: monitoring of the condition of the equipment, kick-off meetings, risk analysis and environmental conditions in which operations are carried out, and checks of the personal protective equipment of individual Autovictor operators.



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Oil & Gas

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