



**Alpin-Weld**  
Flexible Solutions

Rope access service

# ALPIN-WELD



**ALWAYS  
UP TO THE TASK**

**We are anywhere where there is access that seems limited for others.**

We use modern equipment and our many years of rich experience to provide alpinist services in the widest possible range. All our works are compatible with the IRATA international rope access system. This allows us to ensure the quality of work and safety with full responsibility.

# WELDING AT HEIGHTS HIGH-ALTITUDE WELDING

**We offer welding works performed at height.** We have appropriate qualifications and skills, which is confirmed by DNV , TUV, LLOYD certificates of our welders. Many years of experience combined with comprehensive knowledge and precision of operation always results in a perfectly executed task.





## INSTALLATION OF STEEL STRUCTURES AT HEIGHTS

Steel structures are present in virtually every construction project. Often they are required to be installed at heights, which means that there is a need of the right skills and climbing equipment. We deal with assembly, but also disassembly (modernization and repair) of steel structures and pipelines. We work in hard to reach places and unfavorable conditions, being properly prepared for any inconvenience.



## PLASMA CUTTING AND CUTTING WITH AN ACETYLENE-OXYGEN BURNER

As part of our services of assembling steel structures at heights, we also offer cutting with two techniques. The first one is plasma cutting. Plasma is an ionized matter, with a state of aggregation that can be compared to gas. During cutting the metal melts and is ejected from the gap. Plasma cutting is 5-7 times faster than oxygen cutting.

An alternative to plasma cutting is gas cutting. Low carbon steel is commonly used in this case. During cutting, the material is fed to the ignition temperature and then burned. Then metal oxide fluids are blown out under high pressure.





## **PREFABRICATION OF STRUCTURES AND PIPELINES IN THE WORKSHOP**

We have our own workshop with a large area and modern machine resource, adapted to perform prefabrication of steel structures and pipelines. We deal with the prefabrication of both industrial pipeline systems as well as pipeline installations that operate under water. We manufacture elements and equipment of steel structures, and all elements manufactured by us are protected with an anti-corrosion coating, using various techniques.



# PERFORMING NDT TESTS

Rope access and the alpine skills of our team allow us to carry out NDT projects both at heights and in hard to reach places. In order to detect various types of abnormalities, we use several testing methods, adjusting them individually to a particular case.

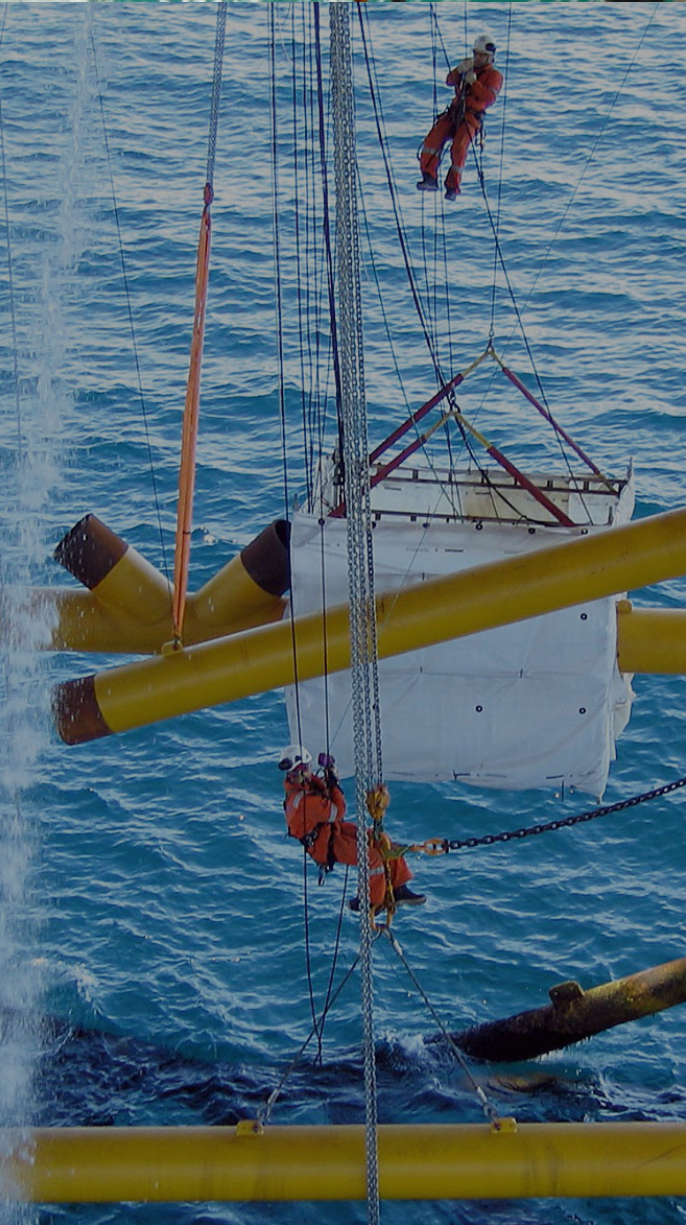


## NON-DESTRUCTIVE WELD TESTING METHODS

- Visual tests (VT)
- Penetration tests (PT)
- Magnetic-particle test (MT)
- Eddy current test (ET)
- Ultrasonic test (UT)

**Other methods we can offer include ultrasonic thickness measurements (UTT) and assessment of technical condition of the structure.**





## TRANSPORTATION OF STRUCTURES AT HEIGHT

The high-altitude works we carry out also include vertical transport, which takes place without the use of auxiliary equipment such as a crane. This is made possible by specialized equipment designed to pull in and lower structures and large-size loads. The element is not disassembled and the transport can take place at any height and under any conditions, including those unfavorable in terms of technology and location.



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**PLEASE CONTACT US**

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