CLEANING AND MAINTENANCE OFFSHORE

There are hardly any more extreme working fields than offshore. The external conditions on the high seas pose challenges for both people and materials. More extensive technology is assembled in the tiniest space. With kilometer-long drill pipes, aggressive environmental influences as well as round-the-clock operations, every unplanned interruption costs a lot of money.

Typical operations on offshore platforms are cleaning, layering and derusting, as well as the cutting and separation of surfaces and materials of every different type and dimension.

- Cleaning of pipes and pipe systems
- Removal of algae and deposits, lacquer and coating on the outer walls
- Removal of rust and coating of ballast tanks and storage areas
- Cutting of steel, other metals and a number of other materials
- Underwater cleaning to remove mussel growths, etc.
- Cleaning of drilling tools and drill pipes
- General cleaning of the platform of oil, grease, dust, rust and other dirt

01_ Work carried out on offshore platforms occurs under the most extreme conditions.

02_ Due to the rough environment, platforms must be cleaned, derusted and sanitised every day.

03_ WOMA® offers the right products for underwater maintenance work.

WOMA® provides high pressure water jet techology specifically for offshore use with crucial advantages. The logistics are noticeably reduced. Transport and disposal of blasting abrasives are omitted. The percentage of disposable residue is reduced to 98 %. Desalted water is available on the platforms anyway. The salt content of processed areas is minimised, as the high pressure jetting itself gets into the smallest of cracks. Blasting abrasives, in contrast, often release the salt into the surface. High pressure water jetting cleans particularly thoroughly and produces an excellent adhesive foundation for new coats. Sensitive parts such as welding seams or connecting elements are not damaged. The work progress in comparison to mechanical brushes is even considerably quicker.

High pressure water jetting is high precision: prescribed rust removal can be done without any problems. Compact work tool dimensions enable the work to be completed in difficult-to-access and narrow areas. With help from mechanical guiding devices, geometrically exact removal can be done without difficulty. It is also possible to remove multi-layered systems. Every formation of dust is excluded. This enables a simultaneous process of more tasks, for example, dust-sensitive maintenance work in parallel to foundation preparation.

Advantages at a glance

With high pressure water jetting, the following materials can be reliably cleaned from metal and concrete surfaces:

- Bonded, multilayer coatings and layers of paint
- Flameproof coatings
- Bitumen
- Chemical contamination
- Rubber, rosin, lacquer
- Oil, rust, dirt
- Marine growth

With abrasive high pressure water jetting devices, the following materials and components can be cut:

- Construction steel
- Coated steel constructions
- Tanks, pipes and pipelines
- Strongly reinforced concrete
- Fibre-reinforced materials
- Multiple layer constructions
- Glass and ceramic

EXPERTISE DRILL PIPES

Millions of pipes for drilling of gas and oil are in use worldwide. The investment and functionality of this expensive equipment can be ensured through continuous cleaning. In operation, drill pipes can regularly become partially or completely blocked and corroded due to aggressive mediums. Sulphate, salt and cinders are particularly problematic in this respect. The internal and external cleaning of dirty, corroded drill pipes with high pressure water jetting removes all deposits reliably, quickly and above all, economically.