SURFACE
PREPARATION
& PAINTING



THE STYLE OF OUR COMPANY IS BASED ON

SAFETY, RELIABILITY AND QUALITY

ISO 9001
ISO 14001
ISO 18001

SURFACE
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RANGE OF SERVICES











Onshore / Offshore

1. Oil & Gas
2. Wind energy
3. Nuclear energy
4. Shipbuilding / ship repair
5. Industrial projects

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SERVICES RELATED TO THE CORROSION PROTECTION OF SURFACES







1. High pressure washing;
2. Mechanical cleaning;
3. Blast cleaning;
4. Sandblast cleaning;
5. Painting by applying all types of paints (including ice-resistance and hot-spraying paints);
6. Metallization;
7. Painting by applying fire-retardant paint.

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HIGH PRESSURE WASHING



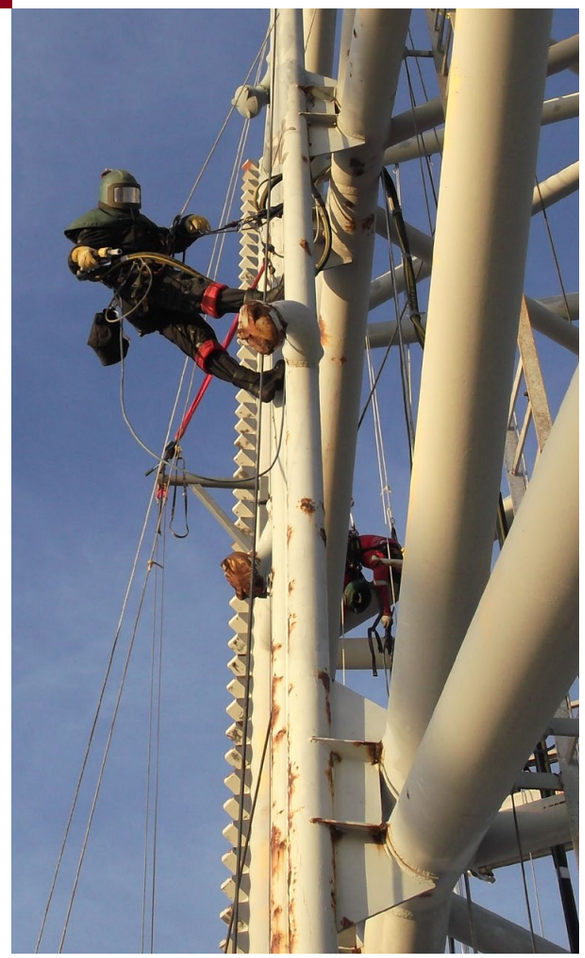


1. **Low-pressure washing** (up to 340 bar);
2. **High-pressure washing** (340-700 bar);
3. **High-pressure washing / hydro-cleaning** (700-2100 bar);
4. **Ultra-high pressure washing / hydro-blasting** (over 2100 bar).

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BLAST / SANDBLAST CLEANING





For the optimal adhesion of the protective coating, the surface should be thoroughly prepared and roughed up. Blast /sandblast cleaning is one of the most effective methods of surface preparation. Blast /sandblast cleaning may be dry, wet or vacuum.

Depending on the requirements provided in the painting specification, we carry out blast/ sandblast surface cleaning of the following degrees of cleanliness (ISO 12944-4):

- **SA 1;**
- **SA 2;**
- **SA 2,5;**
- **SA 3.**

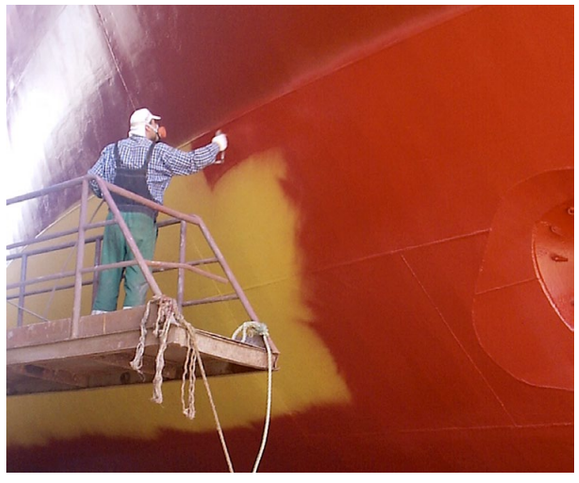
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CORROSION PROTECTION









Coating the surfaces of protected structures with protective coats based on organic and inorganic materials, in particular, paint and varnish materials, metals and alloys.

Specialists of **Gridin's Group** are highly experienced in working with all types of paints (including ice-resistant and hot-spraying paints), such as:

- **polyurethane materials;**
- **epoxide materials;**
- **alkyd materials.**

Surface painting by applying corrosion protection systems is carried out in compliance with the requirements of the ISO 12944-5:2007 standard.

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METALLIZATION



Metallization is a method for the modification of surface properties of an article/structure by applying a protective metal coat to its surface. On the metalized surfaces, other material (having a higher degree of hardness and corrosion-resistance) is applied:

- **chrome plating;**
- **galvanizing;**
- **aluminizing.**

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PAINTING BY APPLYING FIRE-RETARDAANT PAINT



Fire-retardant paint protects structures due to its special fire-retarding components. At the temperature of +200... +300 ° C, such mixtures start foaming, preventing the flame from contacting the surface. The non-combustible gases evolved create an additional fire-proof sub-layer. Fire-retardant paint and varnishes come in a wide variety of colours, adding a decorative appearance to the surface. Their areas of application are not limited to metal structures only – they can be also used for painting living spaces and wood structures.

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TRAINING AND TESTING OF SPECIALISTS









The **International Training Centre (ITC)** of **Gridin's Group** is provided with a section for the training and testing of sandblasters and painters.

Theory classrooms are equipped with all the necessary equipment for the demonstration of educational photo / video materials.

Besides theory, special attention is given to practical training, testing and certification. The section also has all the necessary equipment for carrying out sandblasting and painting works.

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MATERIALS USED

The specialists of **Gridin's Group** have extensive experience in working with manufacturers of corrosion protection systems, such as:

HEMPEL
INTERNATIONAL
JOTUN
CMP
KANSAI
KCC
PPG

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ЗАКАЗЧИК:



Can Offshore, Great Britain;
Reel Group, Scotland;
StS, Norway;
Orange Offshore, Norway;
Hertel, the Netherlands;
Venko, the Netherlands;
Schelderpoort, the Netherlands, Vlissingen.

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SURFACE PREPARATION & PAINTING

Gridin's Group

offers a wide range of practical solutions for carrying out various types of painting works as well as works related to the cleaning of metal structures, thus allowing the company to fulfil the increasingly complex technical tasks.

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