



**SMART**  
H O L D I N G



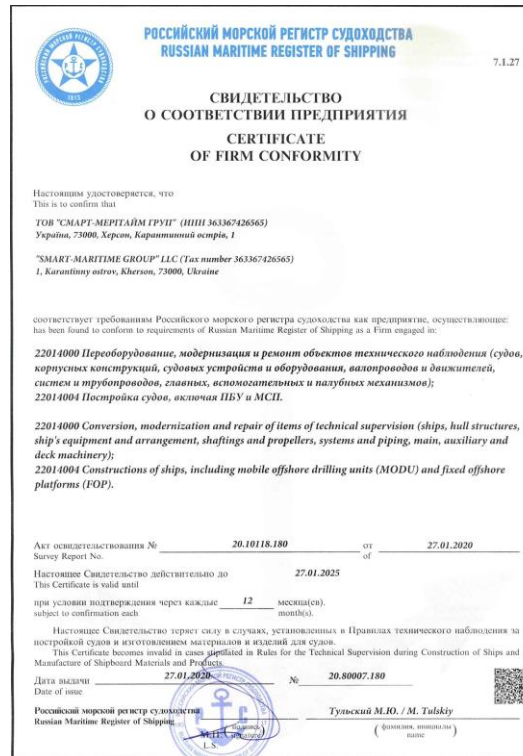
# SMIG

*SMART-MARITIME GROUP*

**STEEL STRUCTURES**

# Our CERTIFICATES

**SMART-MARITIME GROUP** is certified for the construction, conversion, modernization and repair of ships, hull structures, ship equipment, devices, mechanical installations, mechanisms, systems and pipelines, electrical equipment, automation **by RSU, RMRS.** Management System **ISO 9001:2015.**



## Our SHIPYARDS

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*We have the facilities of the 2 largest shipyards in Ukraine - Mykolaiv and Kherson.*

- Good geographical position, almost never freezing water area of the shipyard.
- Powerful crane equipment in workshops and on the slipway.
- New modern plasma machine 3.5x16 m SAPPHIRE.
- The line for cleaning and priming steel plates GUTMAN.
- ESAB mechanized line for assembly and welding of flat plates.
- Hydraulic presses and machines of various capacities for bending and rolling parts.
- Self-propelled conveyor KAMAG with a lifting capacity of 215 tons for transportation of sections and blocks.
- High-quality painting equipment.

All this makes SMG a reliable partner in the manufacture of ship hulls and steel structures. We have a rich experience in bridge building, metallurgical special nonstandard tanks production, e.t.c.

Experience in working with almost all leading registers (BV, RMRS, GL-DNV, LR, RINA, ABS) and of course RSU, as well as with design bureaus. There is a local design bureau "KORVET" for the development of working documentation and cutting programs on the territory of the shipyard.

# Our STEEL STRUCTURES

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SMG has a unique production fleet of equipment that allows us to fulfill orders for the manufacture of steel structures of any complexity, weight and size characteristics.

## The main range of products:

- Steel bridge structures for road and pedestrian bridge crossings;
- Steel structures for industrial suction and gas purification systems;
- Steel structures and capacitive equipment for gas and petrochemical enterprises;
- Nonstandard steel structures for industrial buildings, shopping centers, stadiums e.t.c.;
- Sheet metal and metalwork processing for the construction of a variety of towers, tanks, gas-holders, offshore platforms and steel constructions.



*\*sample of possible works*



# Our STEEL STRUCTURES

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A promising and developing direction for the SMG is the manufacture of bridge structures  
Some of our fulfilled contracts for the period 2015-2020:

- The Zaporizhzhyan road bridge – 3 500 tons;
- Span of the bridge Reni - Odessa - 470 tons;
- One of pedestrian bridges in Kiev – 43 tons;
- Road bridge via railway in Kozatin – 224 tons.

SMG production of steel structures and performed installation supervision for 3 thickener tanks with a supporting part of TENOVA DELKOR for Southern Mining and Processing Plant

- The new hydraulic complex is the first project in Ukraine offering a more efficient and environmentally friendly method for processing, transporting and storing waste rock (tailings) after enrichment;
- The designer of this product was the German company ENGINEERING DOBERSEK GMBH;
- The total weight of metal structures is 2 012 tons. The diameter of each tank is 62 m and the height is 10,9 m.

All these works we provide under the strong inspection and control of the state controllers and Classification inspectors ensuring the highest quality of works.



*\*sample of possible works*



# Our STEEL STRUCTURES

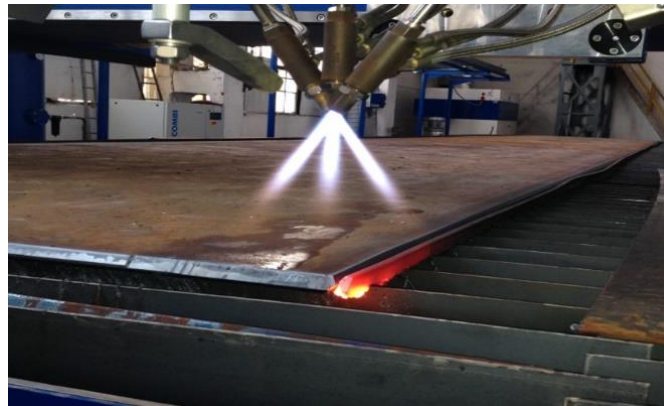
- During the execution of the contract for the company SAIPEM to produce steel structures, SMG passed certification and approval as a builder of offshore structures by SAIPEM and SHELL. Steel structures were manufactured with a warranty period of 25 years.
- High-quality cleaning of the surface to the degree of Sa 2.5 and interoperational protection of rolled steel entering production is the primary factor in ensuring the longest service life of the product and the reliability of its protective coating.
- Automatic lines used in the production process for preparing sheet plates include a plate straightening machine, a shot blasting chamber, an interoperational primer (shop primer) application chamber and a drying chamber.



# Our STEEL STRUCTURES

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- 100 000 tons of still sheets for wind turbine towers were processed in 2008.
- Cutting parts from sheet metal with a thickness of 0.5-150 mm and max. sheet size 3200 x 16000 mm produced on CNC installations with oxy-fuel or plasma cutting.
- The UZ-50 Triumph beveling machine is used to form the required chamfer angle on sheet blanks
- In 2019, SMG commissioned a new section for sheet metal cutting equipped with a Shafir 3500/16000 CNC thermal cutting unit from ECKERT (Poland). The new equipment allows, due to the installed three cutting unit, to produce gas-oxygen cutting (V, Y, X) chamfers in one pass. The powerful Hypertherm HPR 400XD source allows plasma cutting of parts made of low-carbon steel with a thickness of 0.5-40 mm, stainless steel and aluminum with a thickness of 3-40 mm.



# Our STEEL STRUCTURES

- Bending and dressing of blanks from steel plates is carried out on various hydraulic presses with a maximum developed force of up to 1250 tons.
- Unique bending machines allow SMG to solve various problems in the field of bending of steel plates and billets. The maximum developed force of the machine is up to 5000 tons when bending plates with a thickness of 50 mm and a workpiece width of 16,000 mm.
- A specialized ESAB line (Sweden) for automatic welding under a flux layer allows assembling and welding of steel plates 16x16 meters in size.
- Equipment for automatic and semi-automatic welding of products allows SMG to produce large-sized steel structures weighing up to 100 tons of various applications.





# Our STEEL STRUCTURES

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- Rolled steel plates are delivered to the SMG by rail or by road.
- The crane facilities of the enterprise allow handling cargo weighing up to 1500 tons.
- For transportation of large-sized structures, self-propelled platforms with a lifting capacity of up to 215 tons are used.
- SMG has the ability to ship manufactured products both by rail and road and by sea from its own terminals.



Bon voyage, fair winds and fine weather!

**SMART-MARITIME GROUP LLC**

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WELCOME TO OUR SMG SHIPYARDS!