



TRADE-PRODUCTION-INVESTMENT
GROUP OF COMPANIES

STEEL STRUCTURE FABRICATION & BRIDGE CONSTRUCTION



RIM GROUP

Management Company



RIMMARKET

Trade – customer research



TEPLOSTROYPROYEKT-S

From Incoming Request to Contract Execution



RIMBUILDING

Innovation and R&D
From Idea to Project Realization
Technologies

BUILDING THE FUTURE!



INDUSTRIAL AND CIVIL CONSTRUCTION

SMART
CONSTRUCTION

1

RAPIDLY DEPLOYABLE CAPITAL
HYBRID "SMART" CONSTRUCTION –
FROM -2 UP TO 40 FLOORS

1.1.

RAPIDLY DEPLOYABLE MODULAR
"SMART" BUILDINGS FROM
-2 TO 3 FLOORS

1.2.

"SMART VILLAGE" PROJECT

1.3.

"SMART DISTRICT" PROJECT

1.4.

"SMART CITY" PROJECT

1.5.

"SMART STATE" PROJECT

1.6.

TRIGENERATION AND VENTILATION
RECONSTRUCTION AND
MODERNIZATION OF ENGINEERING
SYSTEMS, TRANSITIONING TO
"SMART" SOLUTIONS

2

3 STEEL STRUCTURE
FABRICATION
& BRIDGE CONSTRUCTION

READY-MADE BUSINESS
SOLUTIONS

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4.1.

CIVIL FACILITIES

4.2.

AGRICULTURAL FACILITIES

4.3.

RENOVATION, RECONSTRUCTION, AND
MODERNIZATION – TRANSITION FROM
LEGACY SYSTEMS TO "SMART"

4.4.

TURNKEY PROJECT
HOME PACKAGE
ONLINE STORE

5

TOP 99 COMMERCIAL
PRODUCTS

6

TOP 99 RETAIL
PRODUCTS

7

TOP 99 SMART PRODUCTS
AND TECHNOLOGIES

8

POST-WARRANTY
SUPPORT

12

WARRANTY SUPPORT

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SERVICES

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INVESTMENT ATTRACTION

COMMERCIAL ACTIVITY
GOODS AND SERVICES

PRODUCTION PROCESS
PTD, DI, FACTORY, CID, WARRANTY AND POST-WARRANTY SERVICE

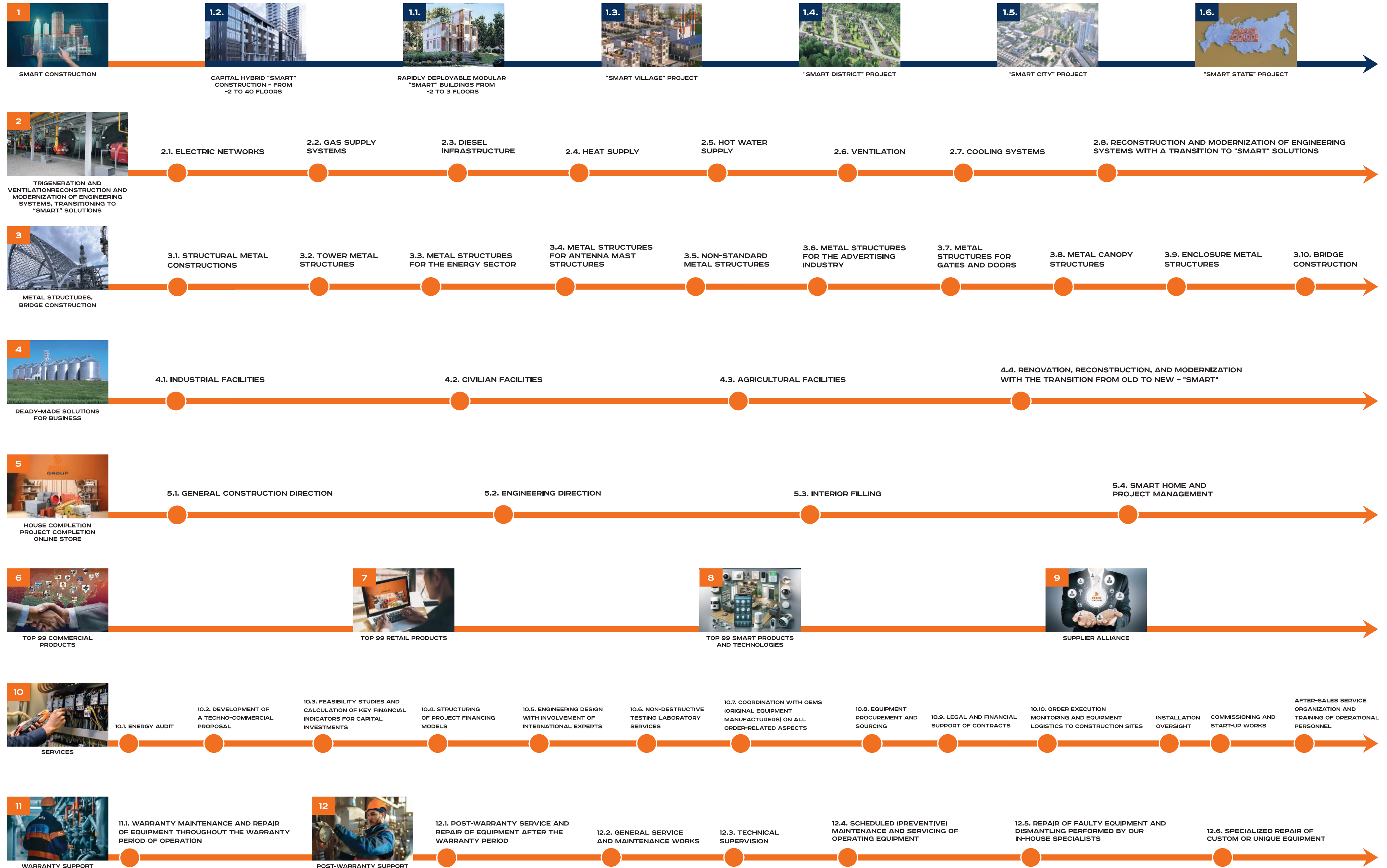
INNOVATION ACTIVITY



STEEL STRUCTURES

BRIDGE CONSTRUCTION

GENERAL PLAN – VISUAL REPRESENTATION OF RIM GROUP'S DEVELOPMENT PATH



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COMPLETED PROJECTS PORTFOLIO – 30 YEARS OF EXCELLENCE

COMMERCIAL ACTIVITIES

GOODS AND SERVICES



MANUFACTURE OF STEEL CONSTRUCTIONS

BUILDING STEEL STRUCTURES

STEEL STRUCTURES FOR TOWERS

STEEL STRUCTURES FOR THE ENERGY SECTOR

STEEL STRUCTURES FOR ANTENNA MASTS

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STEEL STRUCTURES FOR GATES AND ENTRANCES

STEEL CANOPIES

STEEL ENCLOSURE STRUCTURES

STEEL STRUCTURES FOR UTILITY SYSTEMS



BRIDGE CONSTRUCTION

TYPES OF BRIDGES



PRODUCTION PROCESS

PRODUCTION AND TECHNICAL DEPARTMENT (PTD) , DESIGN INSTITUTE (DI),
FACTORY, CONSTRUCTION AND INSTALLATION DEPARTMENT (CID) , WARRANTY
AND POST-WARRANTY SERVICE



COMPLETED PROJECTS PORTFOLIO – 30
YEARS OF EXCELLENCE

STRUCTURAL STEELWORK

The company «TEPLOSTROYPROYEKT-S» has production shops with a total area of more than 70 000 square meters. meters. meters.

The capacity of the plant provides the ability to produce more than 20 000 tons of steel structures per year.

Being the leading manufacturer of steel structures in the south of Russia, the company has a set of unique production capabilities that distinguish it from other Russian manufacturers.



The equipment at our disposal allows us to perform the following:

- blanking operations on mechanical and gas cutting machines with program control;
- mechanical processing of parts with high precision;
- assembly of complex structures;
- automatic welding of ferrous steels;
- manufacturing of parts and blanks by pressing;
- quality coloring of products.

GC RIM GROUP

The company «TEPLOSTROYPROYEKT-S» has its own factory laboratory (FL) and laboratory of non-destructive testing (NDT), which are equipped with modern devices and equipment.

BUILDING STEEL STRUCTURES

The company «ТЕПЛОСТРОЙПРОЕКТ-S» applies different technologies for erection of buildings from steel structures and offers its Customers the following variants of building construction:

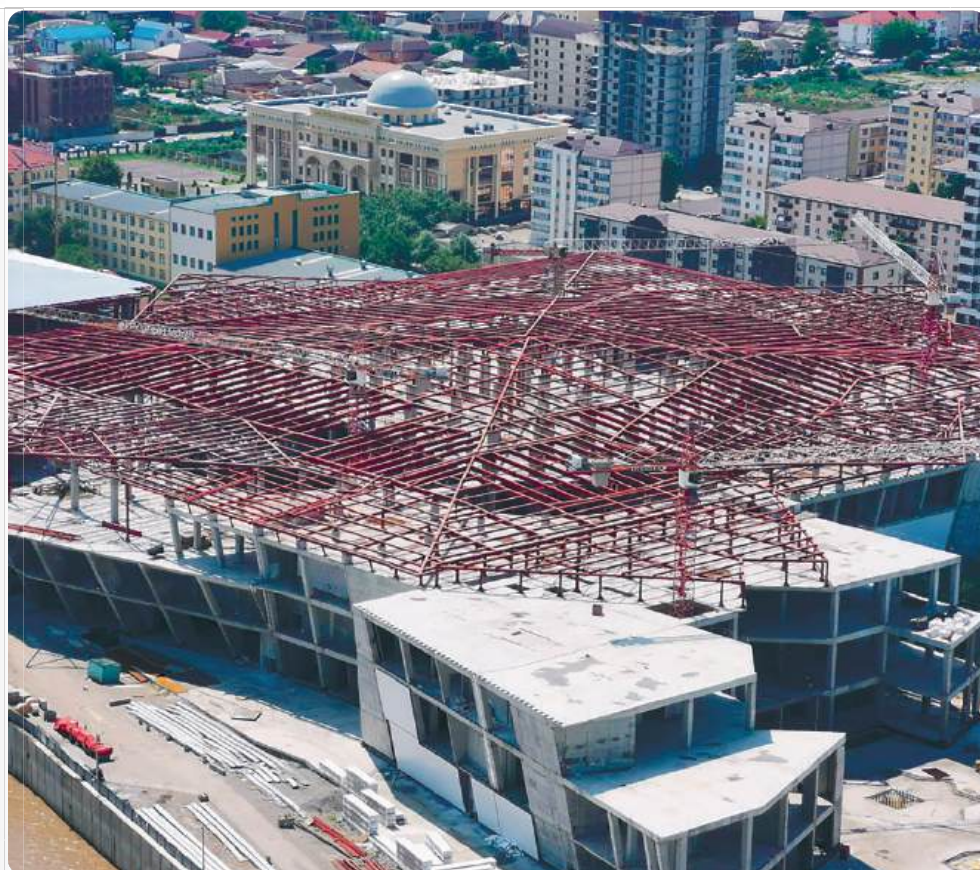
STEEL CONSTRUCTIONS OF VARIABLE SECTION WELVED BALK.



It is chosen for construction of industrial buildings, commercial, warehouse, sports and logistics centers, if there is a need to erect a second floor or mezzanine, to install a crane beam, as well as to use large spans without additional supports.

STEEL STRUCTURES MADE OF PROFILE PIPES AND ROLLED STEEL OF VARIOUS ASSORTMENT

Steel structures made of profile pipes of various cross-sections are chosen in the construction of large city-malls, stores and logistics centers. This variant of the steel frame is standard, is used everywhere, and is suitable for almost any task.



STEEL STRUCTURES FOR STEEL PROCESSING INDUSTRY



When manufacturing steel structures for the construction of steel processing plants «TEPLOSTROYPROYEKT-S» applies different technologies. This allows to achieve an increase in their strength, durability and reliability. For this purpose, alloying steels that include chromium can be used. Such steel structures have excellent strength and durability.

STEEL STRUCTURES FOR OIL AND GAS INDUSTRY



It is a complete product consisting of a variety of non-standard steel parts: columns, links, beams, struts, supports, purlins, tie rods, fences, staircases, brackets, monorails and mounting elements. All products are manufactured in accordance with GOST, certified, as the construction of petrochemical industry imposes a number of requirements, including standards of strength, corrosion resistance and other technical characteristics.

STEEL STRUCTURES FOR THE CHEMICAL INDUSTRY

All these structures and equipment are subject to very high safety requirements. Therefore, we structure our production process in such a way that the final product meets the most stringent quality and operational safety criteria.





STEEL STRUCTURES FOR TOWERS

SILO TOWER STEEL STRUCTURES

These are special structures for keeping unprocessed grain and cement. «TEPLOSTROYPROYEKT-S» manufactures silo structures with the volume from 10m^3 to 500m^3 . The main purpose of the silo is to preserve the freshness and quality of products, as well as to provide convenience and ease of access to them.



WATER TOWER

These are special structures in the water supply system, designed to regulate the head and flow of water in the water supply network, contributing to the creation of its reserve, as well as equalizing the schedule of water pumping stations.





STEEL STRUCTURES FOR THE ENERGY SECTOR



STEEL STRUCTURES OF TRANSMISSION LINE SUPPORTS



Modern steel supports have a lower weight, very high reliability and mechanical strength. All this makes it possible to create structures of considerable height, which are designed for very large and versatile mechanical loads.

CITY LIGHTING SUPPORTS AND MASTS

Our company manufactures and installs lighting supports and masts made of round and profile pipes. We invite municipal and private enterprises to cooperate, for installation in park areas, places of mass visit, parking lots, adjacent territories, industrial facilities.



STEEL STRUCTURES FOR ANTENNA MASTS

COMMUNICATION TOWERS, MASTS



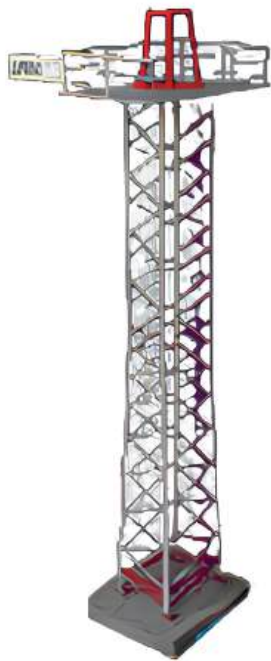
Our company provides a full range of services for the manufacture of steel structures of cellular base stations, construction and maintenance of AMS, as well as provides services for construction and installation works (C&I). Designing is carried out strictly in accordance with the current norms and requirements.

LIGHTING MASTS

Designed for illumination of open areas such as: airports, railway and sea stations, construction sites, stadiums, residential facilities. The construction of lighting masts is prefabricated and consists of welded blocks and upper floodlighting platforms. Made of steel 3 or Steel 09G2S, height from 21 to 45 meters.



SEARCHLIGHT MASTS AND LIGHTNING RODS



A floodlight steel mast is an engineering steel structure equipped with a platform at 18.4 meters and a lightning rod.

LIGHTNING RODS

Lightning rods are specialized engineering structures that are used to prevent lightning during thunderstorms in buildings, structures, power lines and other structures. A grounding system for the utilization of electrical charge is mandatory.



STEEL STRUCTURES OF MAST-TYPE CHIMNEYS



«ТЕПЛОСТРОЙПРОЕКТ-S» more than 25 years develops and manufactures single and multi-barrel mast-type chimneys up to 120 m high, diameter up to 8 m. Careful calculations allow to create steel structures for exhaust gases with temperature up to 500 C⁰. They have been serving at industrial enterprises of Russia for tens of years.

MULTI-BARREL CHIMNEY

Smoke mast chimney (truss chimney) is a self-supporting steel structure consisting of a welded truss and 1 to 12 vertical gas ducts attached to it. The height, number, diameter of flues are determined by aerodynamic and thermotechnical calculations performed by qualified engineers.



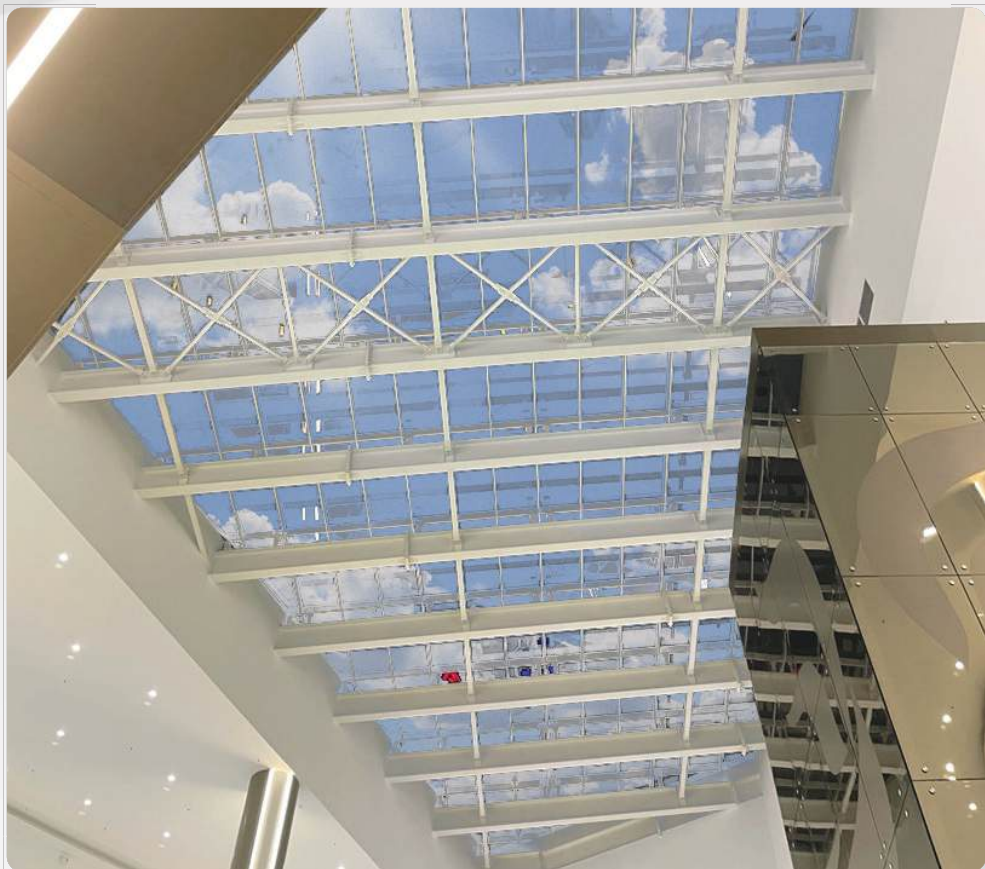
Our company offers comprehensive services for the design, manufacture and installation of flue mast pipes for boiler houses and enterprises.



CUSTOM STEEL STRUCTURES



TRANSLUCENT STEEL STRUCTURES



Transmitting light from artificial or natural sources. They are used in the design of facades and interiors of buildings: transparent facades, winter gardens, entrance groups, skylights, all kinds of partitions.

STEEL STRUCTURES OF ELEVATOR SHAFTS

«ТЕПЛОСТРОЙПРОYEKT-S» performs the entire range of works related to the production of steel construction of elevator shafts. Our specialists develop the project of the shaft in accordance with the requirements. We manufacture the steel structure, install the shaft, perform cladding works. The availability of modern equipment allows our company to produce steel structures of several types, including steel profile framework.



STEEL STRUCTURES OF INDUSTRIAL AND AUTOMOBILE ELEVATORS



Automotive elevator from the company «ТЕПЛОСТРОИПРОЙПРОYEKT-S» provides lifting to a height of up to 14 m. Load capacity up to 20 tons. The platform lowers the equipment into the basement floor, the load-bearing roof reliably closes the opening in the floor slab. «Smart electronics monitors safety, stops the movement of the platform and warns if a person is present in the danger zone. The elevator is protected against activation by children and unauthorized operation.

FOUNDATION EMBEDDED BOLTS AND ANCHORS

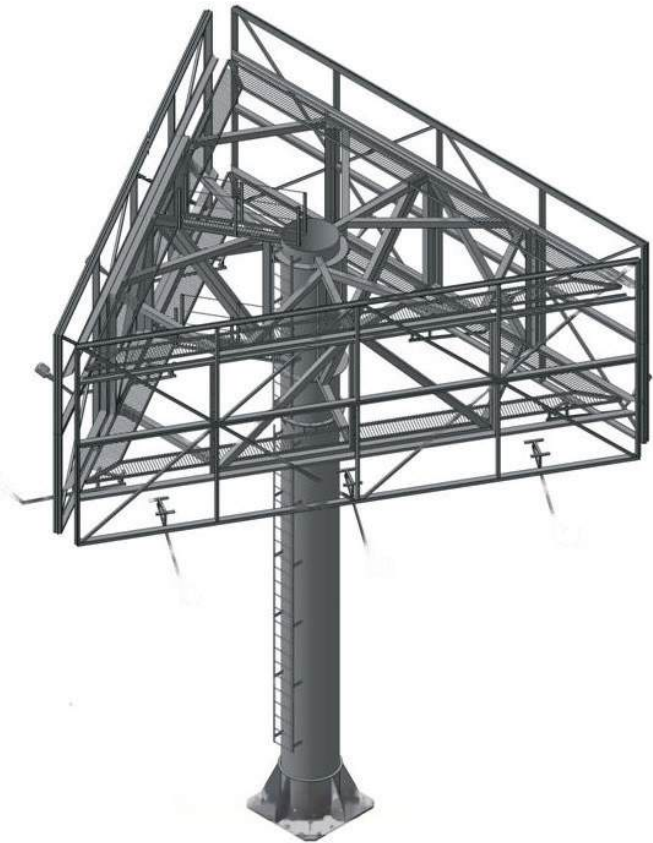


We produce foundation bolts according to GOST 24379.1-2012 of the following types: straight, curved, compound, with anchor tile, with tapered end, removable. Foundation bolts are steel fasteners related to anchoring systems, used for fastening building structures or equipment to a solid base.



CUSTOM STEEL STRUCTURES FOR ADVERTISING INSTALLATIONS

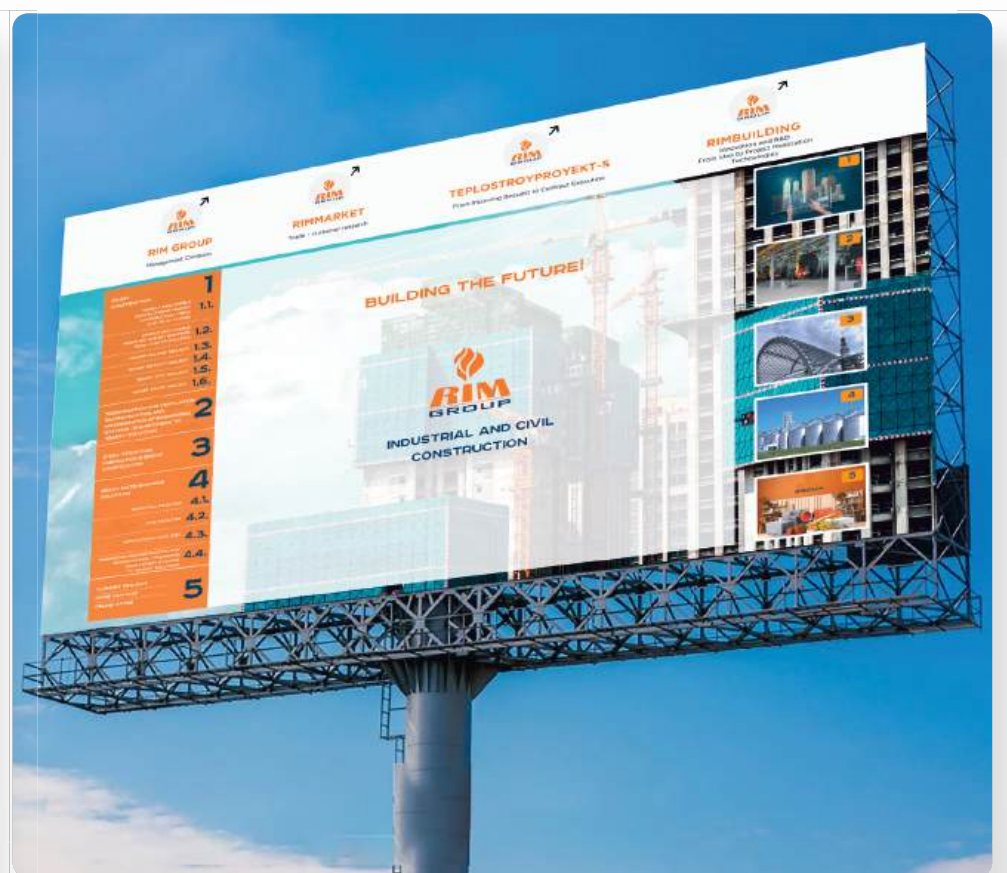
SUPERSITE BILLBOARD



Outdoor advertising, which in its overall dimensions is much larger than a billboard. These are huge structures with built-in backlighting, which allow you to see the promoted product at great distances.

BILLBOARD

Represents a billboard of large dimensions, mounted on a steel support. For the production of the screen itself, high-strength materials are used to withstand the effects of the environment (wind, precipitation, sunlight).





STEEL STRUCTURES FOR GATES AND ENTRANCES





SWING GATE

This is the most common type of gate. They have a number of technological advantages, including simple installation, long service life. steel can be given any color depending on the customer's requirements. Equipped with a system «smart home».

GARAGE DOORS

The advantage of garage doors is the possibility to improve them and create the desired climate inside the garage. The doors are a frame made of profile, closed with steel sheets, which can be insulated.



SLIDING GATES

A popular solution for private cottages, summer houses and parking lots near apartment buildings. These are reliable and practical structures that are suitable for installation even on small plots.



ARMORED DOOR

Armored doors from «ТЕПЛОСТРОЙПРОYEКТ-S» are designed to protect against unauthorized burglary. Such doors perfectly protect and from gunshots. Characteristics of entrance armored doors fully meet all safety requirements. Their installation guarantees comfortable operation.

DOUBLE DOOR FOR ARMORY ROOM

In accordance with the order of the Ministry of Internal Affairs of the Russian Federation № 288 from 12.04.1999. has optimal dimensions, the thickness of the leaf more than 3mm, only welded joints are used, the presence of an additional lattice door.



INSULATED ENTRANCE DOOR

Provides good heat and noise insulation, well protects from drafts and odors. It has anti-detachment pins, locks to choose from. Good for cottages and apartments.

STRUCTURES OF SECURITY ROOMS, ARMORY ROOMS, SECURITY FACILITIES



The company «TEPLOSTROYPROYEKT-S» produces steel structures of modular bunkers and underground shelter. Our company produces and supplies structures of armored and protective structures on the territory of the Russian Federation. Ordering the production of bunkers and shelters from us, you get a high-quality product, which is equipped with a system «smart home».

STEEL OBSERVATION TOWERS AND POSTS



Observation towers produced by the company «TEPLOSTROYPROYEKT-S» are designed to organize visual control over the protected area, as well as for its protection and defense in case of attack.

We constantly improve our products and carry out developments in the field of physical protection.



STEEL CANOPY STRUCTURES



ARCHITECTURAL CANOPIES



Architectural canopies are designs that can be installed anywhere, regardless of the presence of other structures nearby. The structures are manufactured in the factory and delivered to the site in disassembled form.



CAR CANOPIES

Car canopies are one of the most popular steel structures. They are made of various types and types: arch, half-arch, single, gable and multi-level.



They are used both in individual construction and for public use. When choosing a covering, translucent polycarbonate, corrugated board, natural, soft or steel tiles are used.



CONSTRUCTION OF BARBECUE AND RECREATION AREAS



Our seating areas are made from high quality materials that can stand the test of time and weather. Each element is thoughtfully designed to ensure long-term and comfortable use.



CANOPY DESIGNS FOR SPORTS GROUNDS



The design of the canopy for outdoor exercise equipment and outdoor sports fields is based on snow and wind loads on the roof. The arched shape of the roof is the best option for such a structure: snow and water will not accumulate on it.



STEEL ENCLOSURE STRUCTURES

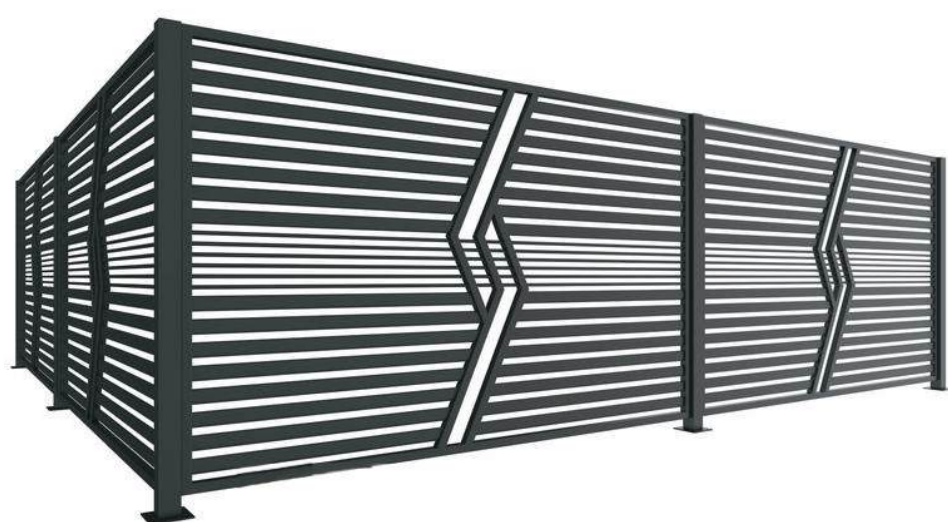


Fire ladders

Vertical fire ladders are designed for unobstructed access to the roof of the building for fire and rescue services to eliminate fires and other emergencies. Overall dimensions of elements of our vertical fire ladders do not exceed 3 meters. Fire ladders can be completed with fencing, piping for hydrant and additional protection against unauthorized access to the roof.

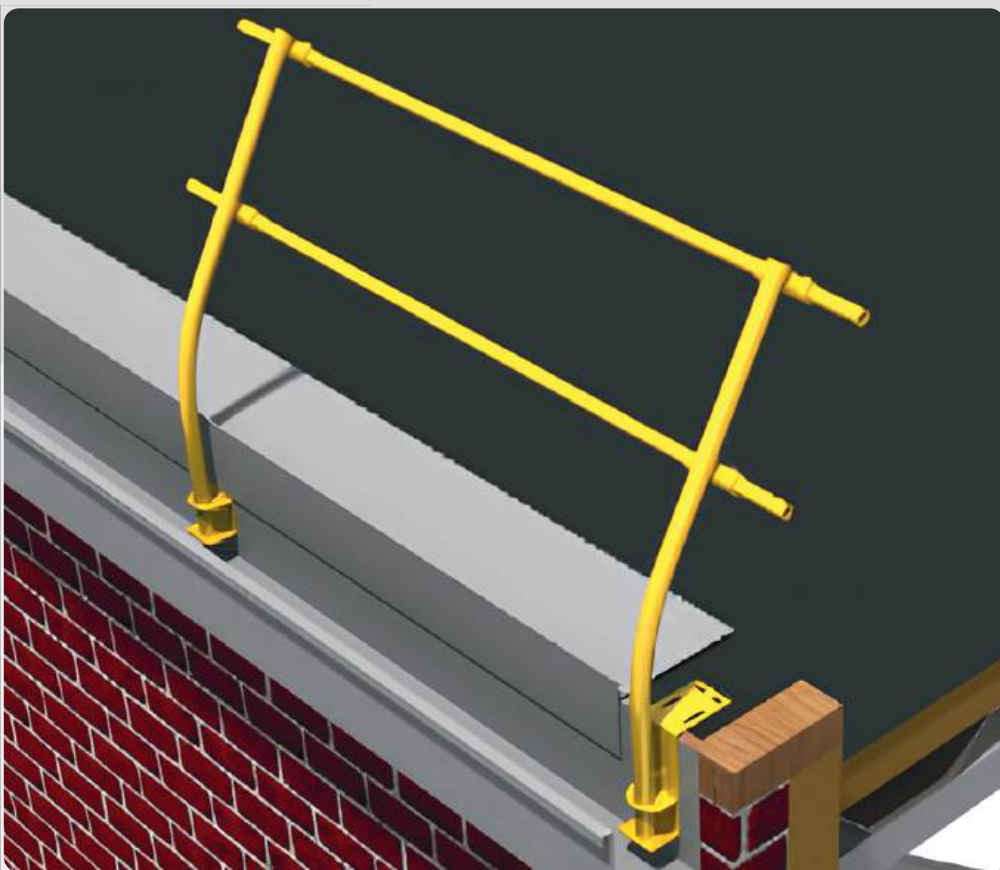
Balcony and window enclosures

Externally attractive balcony railings, manufactured in our workshops, decorate the appearance of residential and public buildings, ensure the safety of operation of buildings, emphasize the integrity of the structure and give a complete harmonious look to the houses.



Fences

All products of the company «TEPLOSTROYPROYEKT-S» are made of high quality rolled steel and painted with quality paints. Products do not succumb to fading and burnout under the influence of the sun, which for many years provides high quality and presentable appearance. Our designers can make any sketch according to your wish.

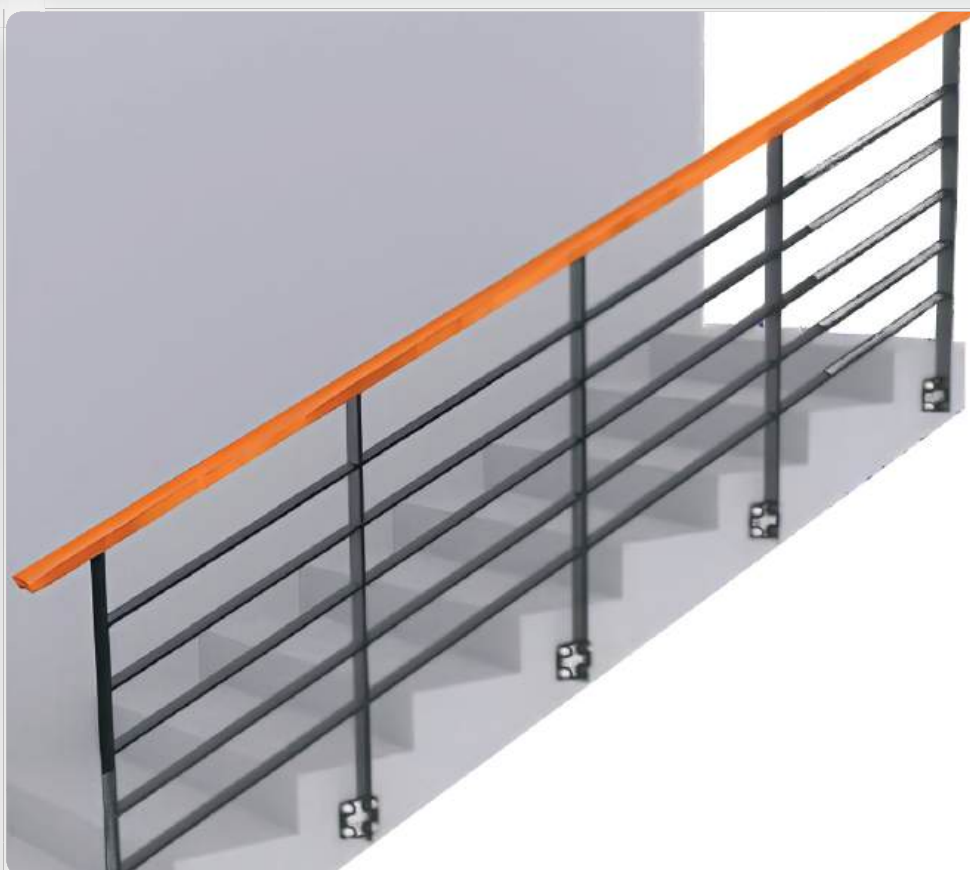


Roof fencing

The structures are manufactured in accordance with GOST 25772-83 and GOST 53254-2009 and meet fire safety requirements. Guardrails are calculated taking into account the requirements of SNiP 2.07.07-85 - «Loads and impacts».

Fencing structures of staircases

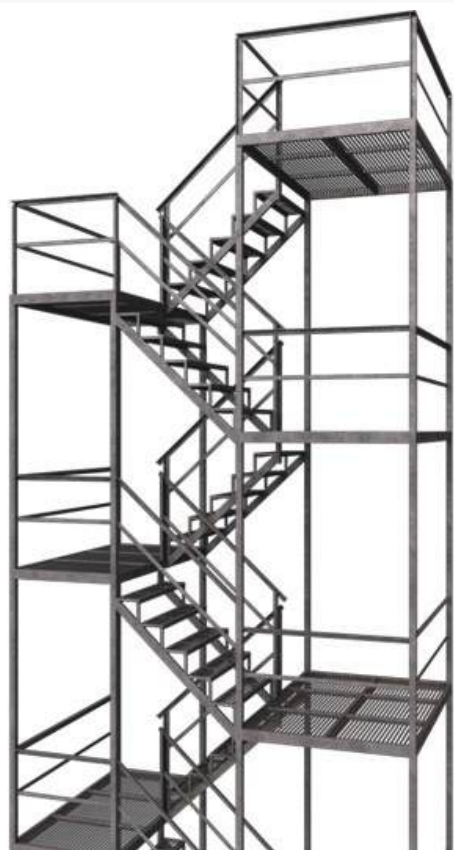
There are generally accepted norms in the design of fences and railings: the height of the fence of the stair landing is 900-950 mm, in children's institutions provide an additional low handrail at the height of the fence 1200 mm.



Evacuation stairs

Fire march stairs P-2 GOST 53254-2009, This standard applies to steel fire march and vertical stairs. Produced at our factory stairs:

- Fully meets the requirements of GOST
- Anti-slip steps made of PVL or lattice flooring
- No welded seams, which increases the life
- Powder or enamel painting of the highest quality
- Easily assembled by 2 people with the use of lifting special equipment.





STEEL STRUCTURES FOR HOUSING AND UTILITIES





Public transport stops

The plant manufactures stop modules of any complexity for the needs of municipal services.

Benches, benches, lawn fence

The plant has established production of street furniture for improvement of parks, squares, and homestead areas.



Wheel chocks

Wheel blocker is a small barrier made of steel or other materials, limiting the passage of vehicles. In case of a collision with it, the car simply rolls back, without damage to the bumper or body.

Garbage containers

Steel garbage container for household and industrial waste is made of high quality sheet steel and meets all established quality standards.



Platforms for garbage containers

Steel fencing of garbage containers - a container platform, is necessary to create a zone for receiving household waste from the population of nearby houses and centralized removal. The plant manufactures platforms for fencing and protection from precipitation of household waste containers.

Mortar containers

Mortar containers are designed for small-scale construction, used for preparation of cement mortar and lifting it to the objects.



STRUCTURES OF COMPLEX SOLUTION FOR LANDSCAPING



TeploSTROYPROYEKT-S manufactures elements for the improvement of public spaces and small architectural forms. Powerful modern production base allows to optimize production processes, thanks to which our products have high quality standards.

PARKLET DESIGNS FOR THE CITY



Parklets are an environmentally friendly solution for public spaces with a focus on design and durability. Increase comfort and quality of life in the city.

«Formation of a comfortable urban environment» is one of the priority national projects.



BRIDGE CONSTRUCTION

BRIDGE BUILDING

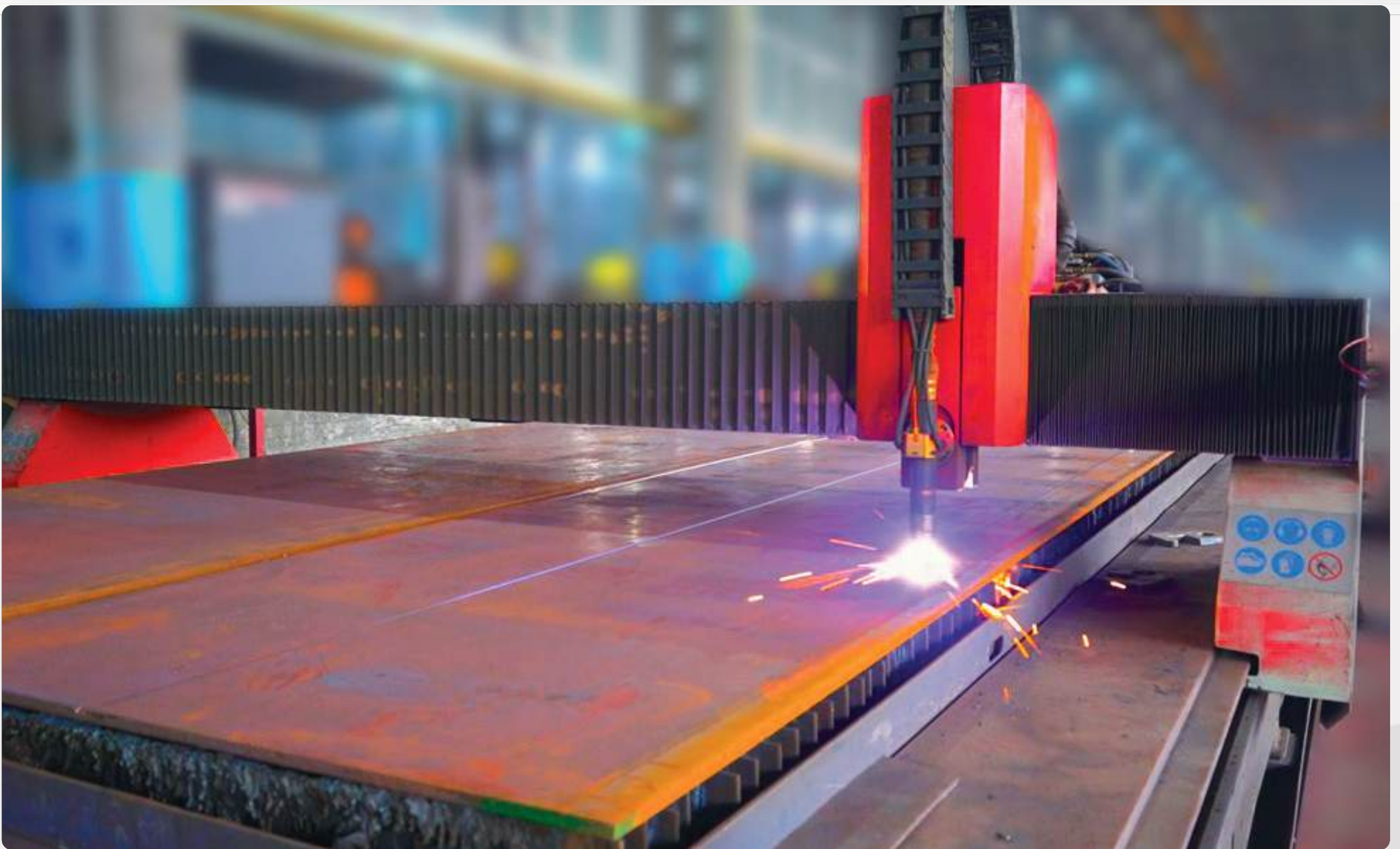
Bridge construction is one of the most important and most complex branches of transportation construction. Bridges belong to the objects of high level of responsibility.



You can order steel structures both on the basis of our standard projects and customized to meet your individual needs. Our design department is ready to develop a steel frame of any shape and size for you.

PRODUCTION OF SPAN STEEL STRUCTURES AT THE FACTORY

- Development of design documentation. The drawings of these objects are somewhat different from those of building structures: their development is not fully automated and requires professional design knowledge.
- Preparation of raw materials, inspection of rolled steel. - Manufacturing of the batch at the factory.
- Control assembly.
- Quality control.
- Priming and painting.
- Transportation to the construction site



Our factory manufactures structural elements on special equipment and then Construction and Installation Department (CID) transports them to the construction site for assembly. Block assembly allows to reduce construction time.



The main advantages of using steel structures for bridge construction:

- strength;
- reliability;
- speed of construction;
- technological efficiency of installation;
- application of «smart» solutions.



TYPES OF BRIDGES

ARCH BRIDGES



An arch bridge is a bridge with spans whose main load-bearing structures are arches or vaults. The characteristic features of arch bridges are the transmission of not only vertical but also horizontal forces (spacing) to the supports, and the arches (vaults) work mainly in compression. Arched bridges are usually built with driving on top, they are characterized by lightweight construction and architectural expressiveness.

CABLE-STAYED BRIDGES



The construction of cable-stayed bridges is usually done in a cantilevered manner. After the tower is built, one cable and a section of deck is built in each direction. Each deck section is prestressed before continuing. The process is repeated until the deck sections meet in the middle where they are joined. The ends are secured to the supports.

GIRDER BRIDGES



Steel girders hold the roadway and divide it into spans. The versatility of the structures makes it possible to build bridges in any terrain: in mountainous areas, across rivers with constant navigation. Girder bridges are the most common in modern bridge construction, they are built of steel, steel-reinforced concrete, reinforced concrete and laminated timber.

FOOTBRIDGES



Vladikavkaz



Volgograd



Grozny, Chechen Republic

A footbridge is a bridge designed exclusively for pedestrians. Depending on the features of the obstacles crossed, pedestrian bridges are divided into three types:

- Pedestrian bridges over water obstacles.
- Bridges over highways, streets, or railroad tracks. Such bridges are located near settlements or railroad stations.
- City footbridges.

PRODUCTION PROCESS



MANUFACTURE OF STEEL STRUCTURES



BRIDGE CONSTRUCTION



PRODUCTION PROCESS



PRODUCTION AND TECHNICAL DEPARTMENT (PTD)



DESIGN INSTITUTE (DI)



FACTORY



CONSTRUCTION AND INSTALLATION DEPARTMENT (CID)



WARRANTY AND POST-WARRANTY SERVICE



COMPLETED PROJECTS PORTFOLIO – 30 YEARS OF EXCELLENCE

CONTRACT IMPLEMENTATION SCHEME

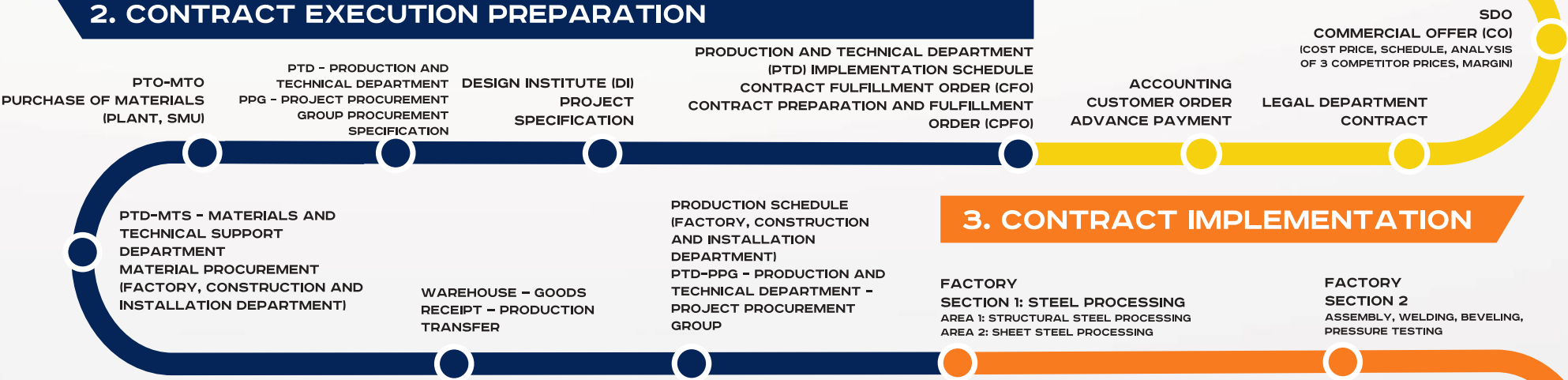
ROADMAP FOR ACHIEVING THE GOAL THROUGH TASK SOLUTIONS IN THE BUSINESS PROCESS "FROM INCOMING REQUEST TO CONTRACT IMPLEMENTATION»

PTD	DI	FACTORY	CID	SERVICE
<div>1. COLLECTION OF INITIAL PERMITS AND DOCUMENTATION</div> <div>2. DEVELOPMENT OF IMPLEMENTATION SCHEDULES AND WORK PRODUCTION PLAN</div> <div>3. MARKET ANALYSIS, PROCUREMENT OF MATERIALS ACCORDING TO SPECIFICATIONS, COST ESTIMATION OF THE PROJECT</div> <div>4. PREPARATION OF THE DOCUMENT PACKAGE FOR PROJECT CLOSURE</div>	<div>1. CONDUCTING ENGINEERING SURVEYS</div> <div>2. DEVELOPMENT AND APPROVAL OF DESIGN AND ESTIMATE DOCUMENTATION</div> <div>3. PREPARATION OF PROJECT IMPLEMENTATION DOCUMENTATION (DRAWINGS, DETAILED METAL STRUCTURE DRAWINGS, CUTTING LAYOUT)</div>	<div>1. MANUFACTURING OF STRUCTURES AND ELEMENTS ACCORDING TO THE PROJECT</div> <div>2. QUALITY INSPECTION AND ASSEMBLY OF STRUCTURES</div> <div>3. TRANSFER OF THE MANUFACTURED PRODUCTS TO THE WAREHOUSE</div>	<div>1. SITE PREPARATION FOR INSTALLATION (CONSTRUCTION)</div> <div>2. EXECUTION OF CONSTRUCTION AND INSTALLATION WORKS</div> <div>3. COMMISSIONING OF THE FACILITY AND HANDOVER TO THE CLIENT</div> <div>4. WARRANTY AND POST-WARRANTY SERVICE</div>	<div>1. WARRANTY SERVICE</div> <div>2. POST-WARRANTY TECHNICAL MAINTENANCE</div> <div>3. TRAINING AND INSTRUCTION OF THE CLIENT'S PERSONNEL</div>

1. PRE-CONTRACT WORK



2. CONTRACT EXECUTION PREPARATION



3. CONTRACT IMPLEMENTATION



PTD

1

COLLECTS
INITIAL PERMIT
DOCUMENTATION

2

FORMS SCHEDULES AND
SPECIFICATIONS

3

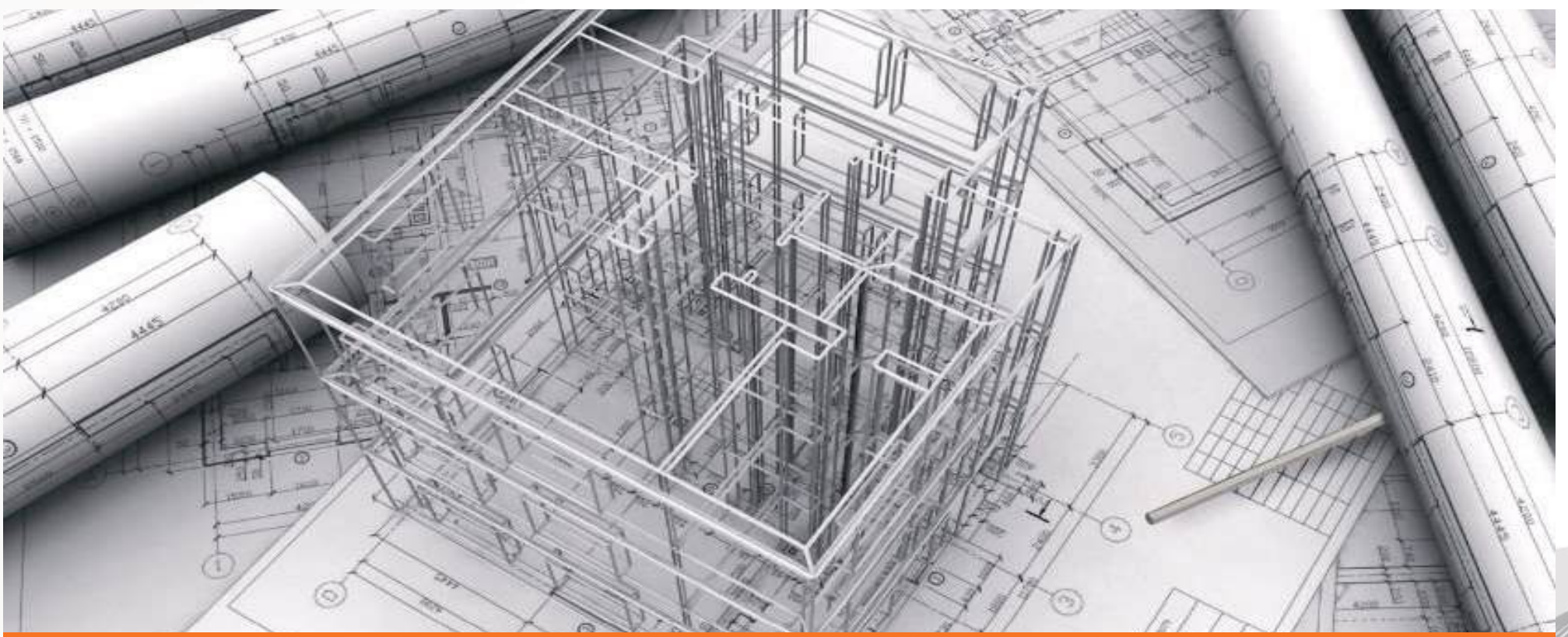
CALCULATES THE COST OF
THE PROJECT

4

PREPARES THE PROJECT
FOR PRODUCTION WORK

5

PREPARES PERMIT
DOCUMENTATION:
• TECHNICAL DOCUMENTATION
• AS-BUILT DOCUMENTATION



DESIGN INSTITUTE

1 CONDUCTS ENGINEERING RESEARCH



2 DEVELOPS DESIGN AND ESTIMATE DOCUMENTATION



3 PREPARES ALL REQUIRED DOCUMENTATION FOR STRUCTURAL MANUFACTURING, INCLUDING GENERAL DRAWINGS, FABRICATION DRAWINGS, AND CUTTING LAYOUTS.



STEEL STRUCTURE FABRICATION & BRIDGE CONSTRUCTION



FACTORY

«Teplostroyproyekt-S» is the company that carries out all production processes of the Group of Companies. It occupies 70,000 square meters of production space. More than 100 units of advanced equipment are involved in the manufacturing of products: shot blasting machines for steel cleaning, band saws, plasma cutting machines, rolling machines, automated welding robots. The company provides full engineering support of projects - from the application acceptance stage to post-warranty service of the realized products.



FACTORY.
MANUFACTURING EQUIPMENT USED
AT THE FACTORY

QHT6910B SHOT BLASTING MACHINE



Used for cleaning steel from rust and corrosion.
TWO IRON-CUT S610R
BAND SAW MACHINES

KESMAK KMY DG450 BAND SAW MACHINE.



Capacity at 90°: Round: 450 mm
Square: 450 x 450 mm
Plate: 450 x 680 mm
Capacity at 60°: Round: 450 mm
Square: 450 x 450 mm
Plate: 450 x 570 mm
Capacity at 45°: Round: 450 mm
Square: 420 x 420 mm
Plate: 350 x 480 mm
Capacity at 30°: Round: 350 mm
Square: 330 x 330 mm
Plate: 240 x 450 mm

TWO BAND SAW MACHINES IRON-CUT S610R



Cutting parameters:
Round: 450 mm,
Rectangle: 610x420 mm.

BAND SAW MACHINE IRON-CUT CH5085



These machines are designed for cutting large workpieces with a round cross-section up to 500 mm and square cross-section up to 850x500 mm.

BAND SAW IRON-CUT S440R



Cutting capacity of the processed part At 90°:
Round: 480 mm
Square: 480 x 480 mm / Square: 650 x 480 mm
At 45°: Round: 450 mm
Square: 440 x 440 mm / Square: 510 x 300 mm
At -45°: Round: 420 mm
Square: 400 x 400 mm / Square: 440 x 300 mm
At 60°: Round: 350 mm
Square: 330 x 330 mm / Square: 290 x 480 mm
At -60°: Round: 340 mm
Square: 330 x 330 mm / Square: 280 x 480 mm

ONE PLASMA CUTTING MACHINE HPR260



With a cutting capacity of sheet steel up to 60 mm thick.

TWO PLASMA CUTTING MACHINES WITH FRAMES
12X3M HPR260XD.



With a cutting capacity of sheet steel up to 60 mm.

PIPE BENDING MACHINE



With a bending capacity for pipes from Ø42 mm to Ø108 mm.

SMALL ROLLING MACHINE ASM-S-170-20



With sheet steel rolling capacity up to 6 mm thick and 2100 mm wide.

MEDIUM ROLLING MACHINE AKYAPAK AHS 30-10



With sheet steel rolling capacity from 4 mm to 12 mm thick and up to 3100 mm wide.

**FACTORY.
MANUFACTURING EQUIPMENT USED
AT THE FACTORY**

**LARGE ROLLING MACHINE 4R HSS 30-400
SAHINLER**



With a cutting capacity of sheet steel up to 6 mm thick and up to 3100 mm wide.

SMALL GUILLOTINE HGL 3100X6



With a cutting capacity for sheet steel up to 6 mm thick and up to 3100 mm wide.

LARGE GUILLOTINE MGH 3100X13



With a cutting capacity of sheet steel up to 6 mm thick and up to 3100 mm wide.

PRESS BRAKE APH 3106X120



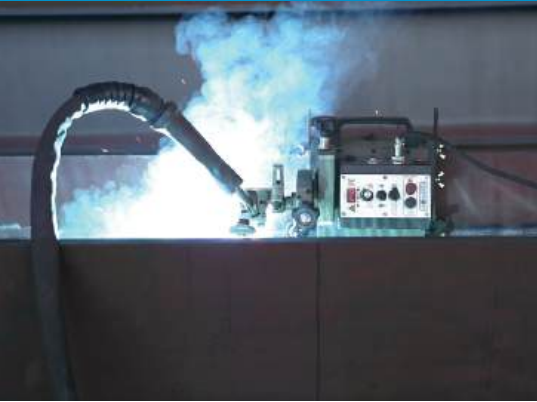
With a cutting capacity for sheet steel up to 13 mm thick and up to 3100 mm wide.

**OVER 70 MIG 5000 SEMI-AUTOMATIC WELDING
MACHINES (SVAROG)**



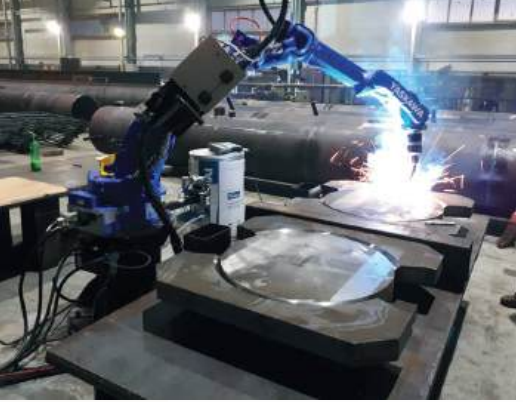
Industrial welding inverter designed for connection to a three-phase 380V power supply, allowing operation with a welding current range from 20 to 500 amps.

WELDING TRACTOR (AUTOMATIC)



A self-propelled device that moves along the weld seam on a workpiece or guide rail, feeding electrode wire and flux into the welding zone.

WELDING ROBOT



A robotic system designed for welding large steel components with thicknesses up to 90 mm.



FACTORY. PRODUCTION STAGES

STAGE 1

CLEANING OF SHEET AND PROFILED STEEL

Before being launched into production, the steel undergoes cleaning in a pass-through shot blasting unit (GHT6910B), which prepares the product for corrosion protection (CP) application and ensures high-quality welding, cutting, and drilling.



SHOT BLASTING MACHINE



FACTORY. PRODUCTION STAGES

STAGE 2

STEEL CUTTING

Cutting of sheet and rolled steel, pipes, etc. is carried out on three plasma cutting machines. For working with steel of various profiles, the work is performed on a Chinese-made Iron-Cut S-610r band saw, while sheet steel is cut on a Turkish-made guillotine.

**PLASMA CUTTING MACHINE WITH
DIMENSIONS 6X3M HPR260**



**PLASMA CUTTING MACHINE
12X3M HPR260XD**



BAND SAW MACHINE IRON-CUTS440R



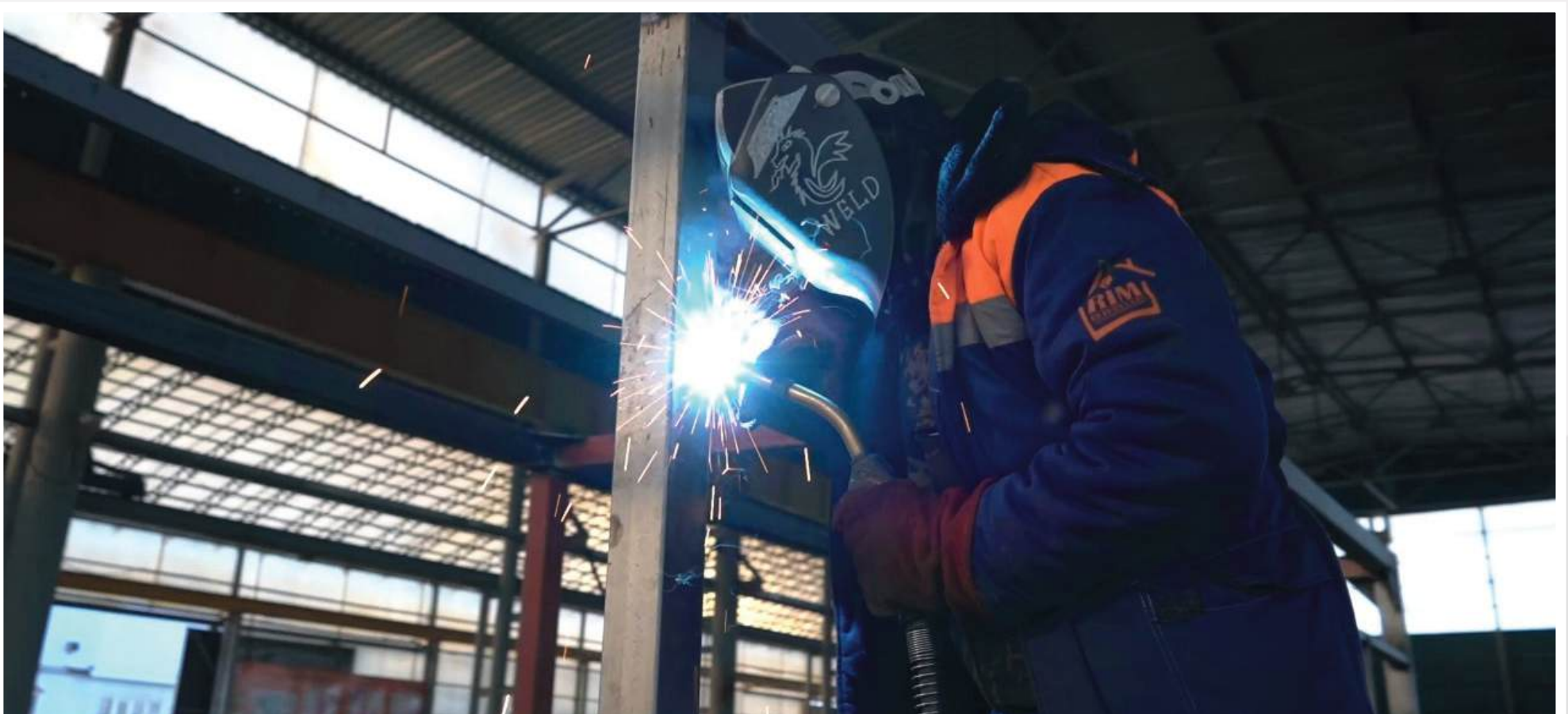
FACTORY. PRODUCTION STAGES

STAGE 3

PRE-ASSEMBLY OF STRUCTURES

The workshop capacities for assembly and welding can manufacture structures of the widest range. These include structures for civil and industrial buildings of general purpose, constructions for steellurgical shops, and much more.

- The assembly of structures is carried out on assembly tables, racks, in special and universal jigs, using standard and custom-made tooling.
- The workshop is equipped with cranes with a lifting capacity of up to 50 tons.

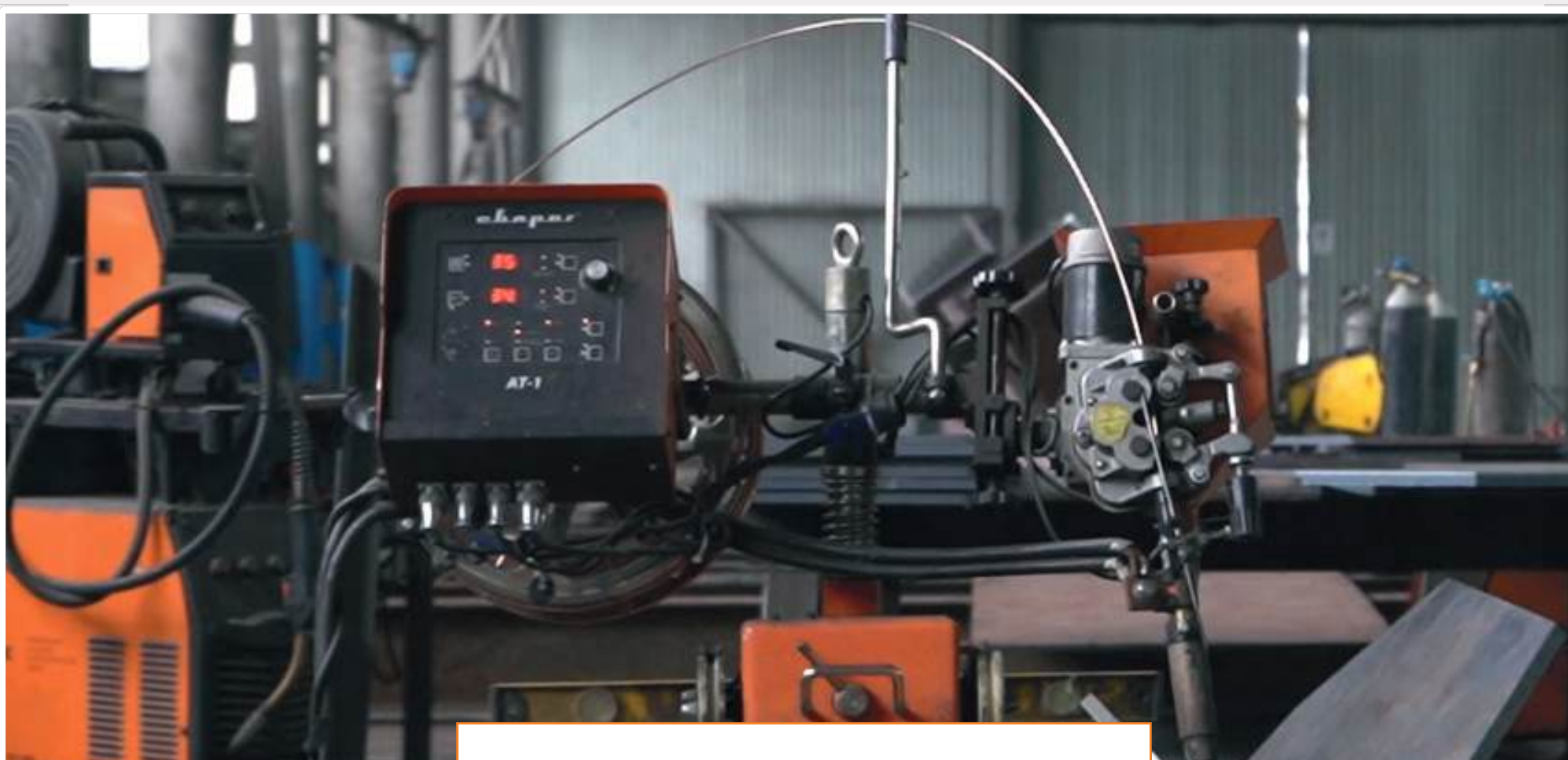


FACTORY. PRODUCTION STAGES

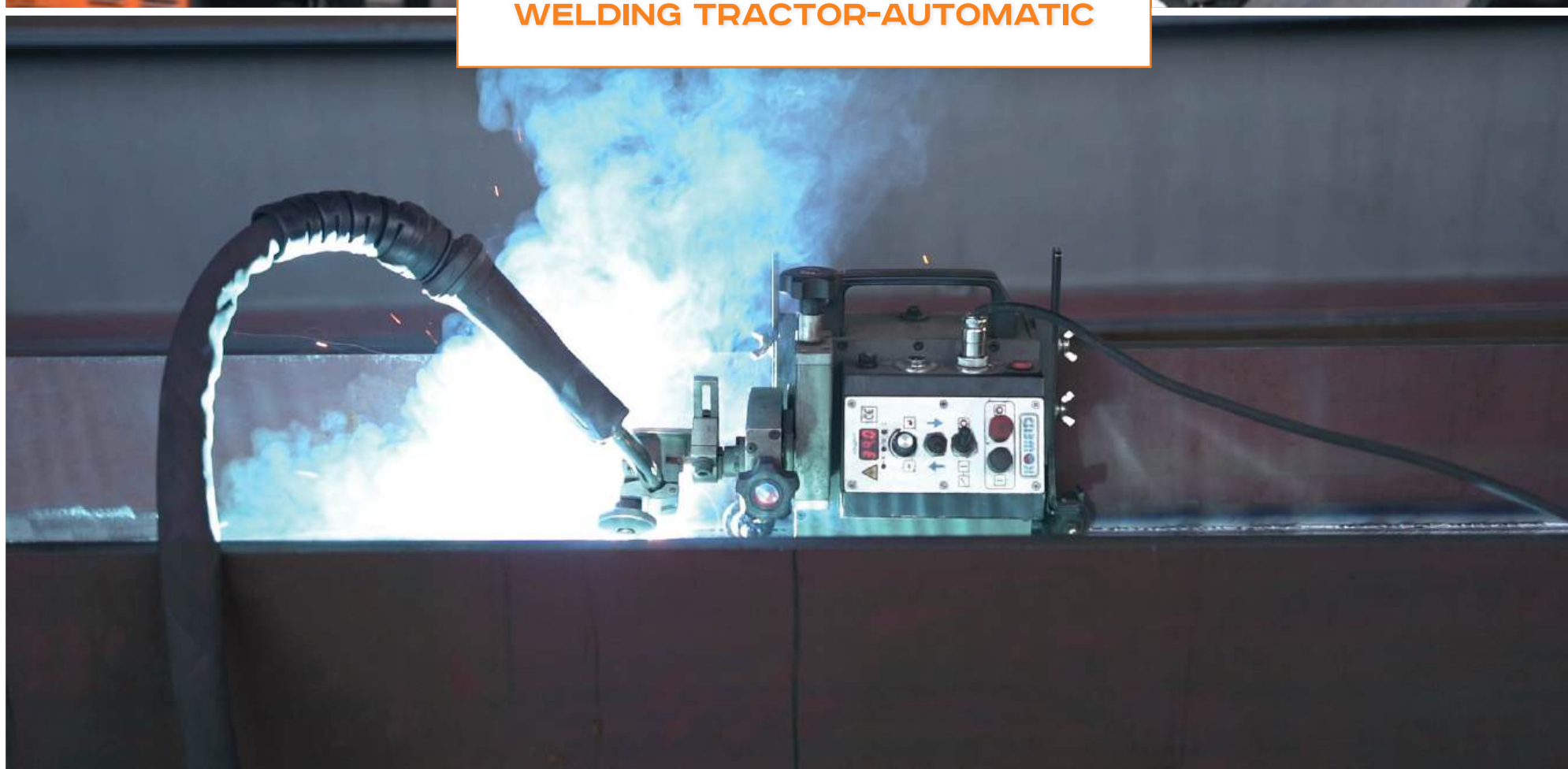
STAGE 4

AUTOMATIC WELDING OF STEEL STRUCTURES

The workshop is equipped with an automatic welding tractor, as well as 100 mechanized welding machines from leading global manufacturers. Highly skilled welders are employed in the facility.



WELDING TRACTOR-AUTOMATIC



FACTORY. PRODUCTION STAGES

STAGE 5

FINAL ASSEMBLY

Final assembly helps to determine the design accuracy of part fabrication.

- During production: parts are fitted in welded joints, hole alignments are checked, fixators are installed, and individual markings are applied.
- The parameters and size of the equipment allow for the assembly and final check of large-sized structures. This is a mandatory step where the accuracy of setup jigs and geometric dimensions is verified.



SHOT BLASTING CHAMBER FOR CLEANING STRUCTURES

Final cleaning is carried out in the paint and loading shop: degreasing of areas contaminated with oils and lubricants, followed by a second round of shot blasting. The workshop is equipped with:

- a manual shot blasting chamber;
- an automatic shot blasting unit. This equipment allows for quick and high-quality surface preparation of the steel.



FACTORY. PRODUCTION STAGES

STAGE 7

QUALITY CONTROL

The application of coatings is checked using thickness gauges and adhesion quality control systems.

- The plant is equipped with modern devices: coating thickness gauges, profilometers, and adhesion testers
- Quality control is carried out at all stages of production. For this purpose, there is a technical control department and its own laboratory.
- Welding seams are inspected using non-destructive methods – ultrasonic (ultrasonic flaw detection, ultrasonic thickness measurement), radiation (X-ray), visual inspection, as well as destructive testing methods (on samples).



FACTORY. PRODUCTION STAGES

STAGE 8

PAINTING ROOM

After assembly and cleaning, the structures undergo anti-corrosion treatment, painting, and drying. The plant's technical equipment allows for both air and airless spray application of coatings. We use materials from leading manufacturers.

- Painting and drying are performed on racks and in drying chambers.
- The latest painting equipment is used for coating and priming.

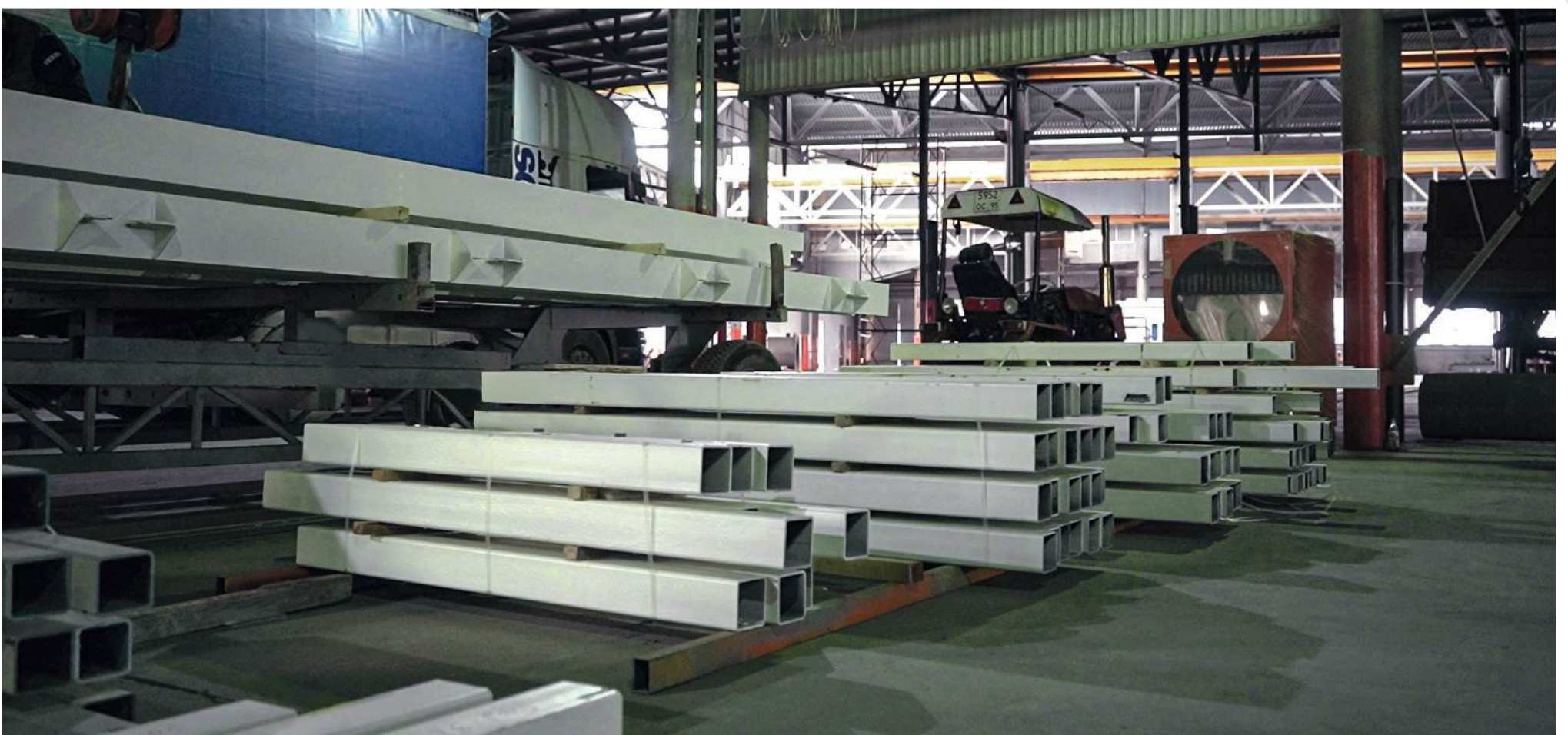


FACTORY. PRODUCTION STAGES

STAGE 9

PACKAGING OF FINISHED PRODUCTS

The factory has extensive experience in packaging constructions with a finish coating and a well-established technology for assembling transport packages. This ensures that the constructions are delivered undamaged and with clear identification. These packages provide sufficient rigidity and protection from weather conditions for extended periods. The size of the doors in the factory workshops allows for the transportation of goods in compliance with the cargo size limitations within the Russian Federation.



SERVICES – HOW WE BUILD. DELIVERY

LOADING OF STRUCTURES

The loading platforms under the roof allow for 24/7 shipment of products. The plant has a reliable network of truck carriers for transporting its structures.



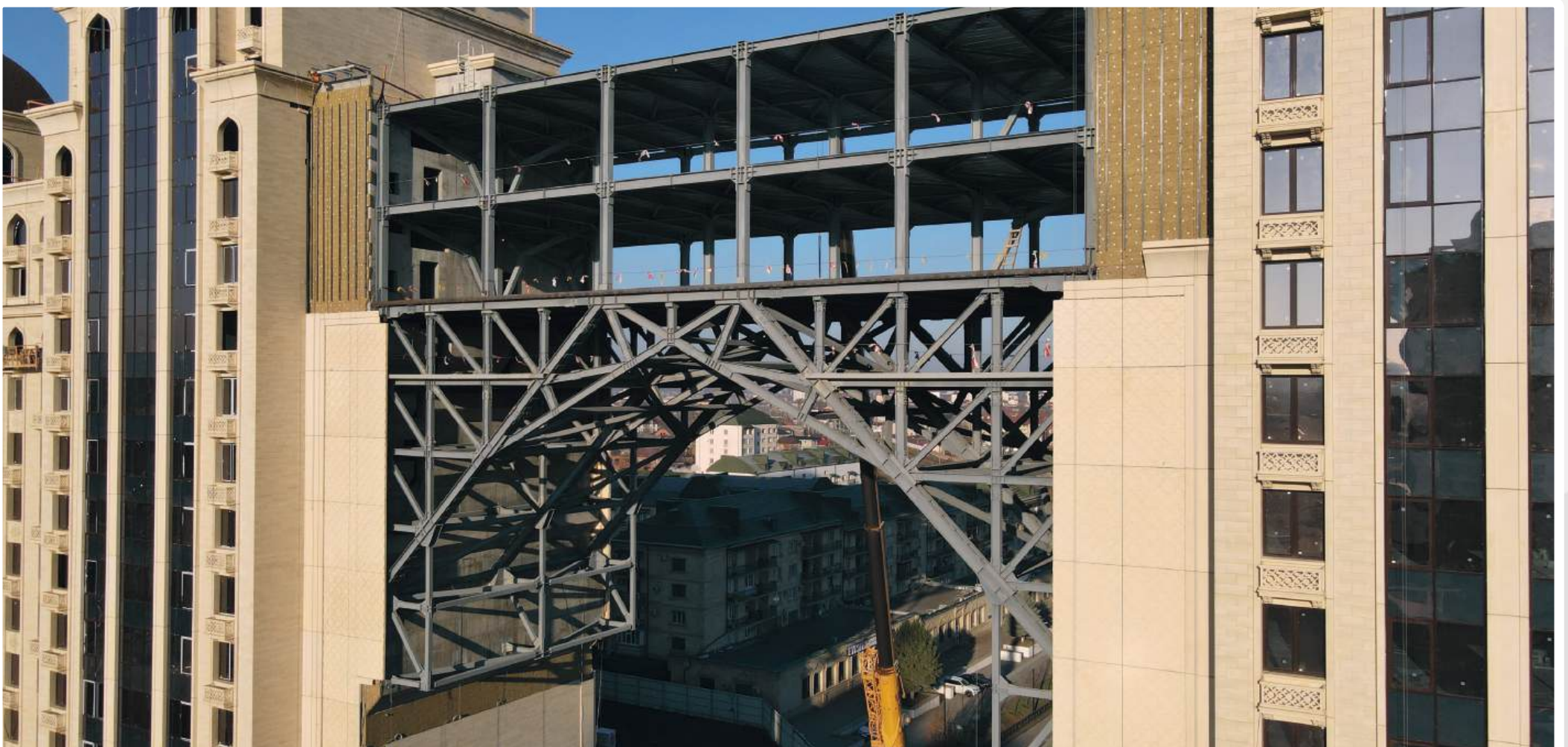
TRANSPORTATION OF BOILER ROOM



TRANSPORTATION OF STEEL STRUCTURES

CONSTRUCTION AND INSTALLATION MANAGEMENT

THE FACILITY IS READY AND IN OPERATION



COMPLETED PROJECTS PORTFOLIO – 30 YEARS OF EXCELLENCE



MANUFACTURE OF STEEL STRUCTURES



BRIDGE CONSTRUCTION



HOW WE PRODUCE
PTD, DI, FACTORY, CID, WARRANTY AND POST-WARRANTY SERVICE



COMPLETED PROJECTS PORTFOLIO – 30 YEARS
OF EXCELLENCE

3

STEEL STRUCTURES AND BRIDGE CONSTRUCTION

GROZNY MALL SHOPPING CENTER

5,600 TONS OF STEEL STRUCTURES



GROZNY, CHECHEN REPUBLIC

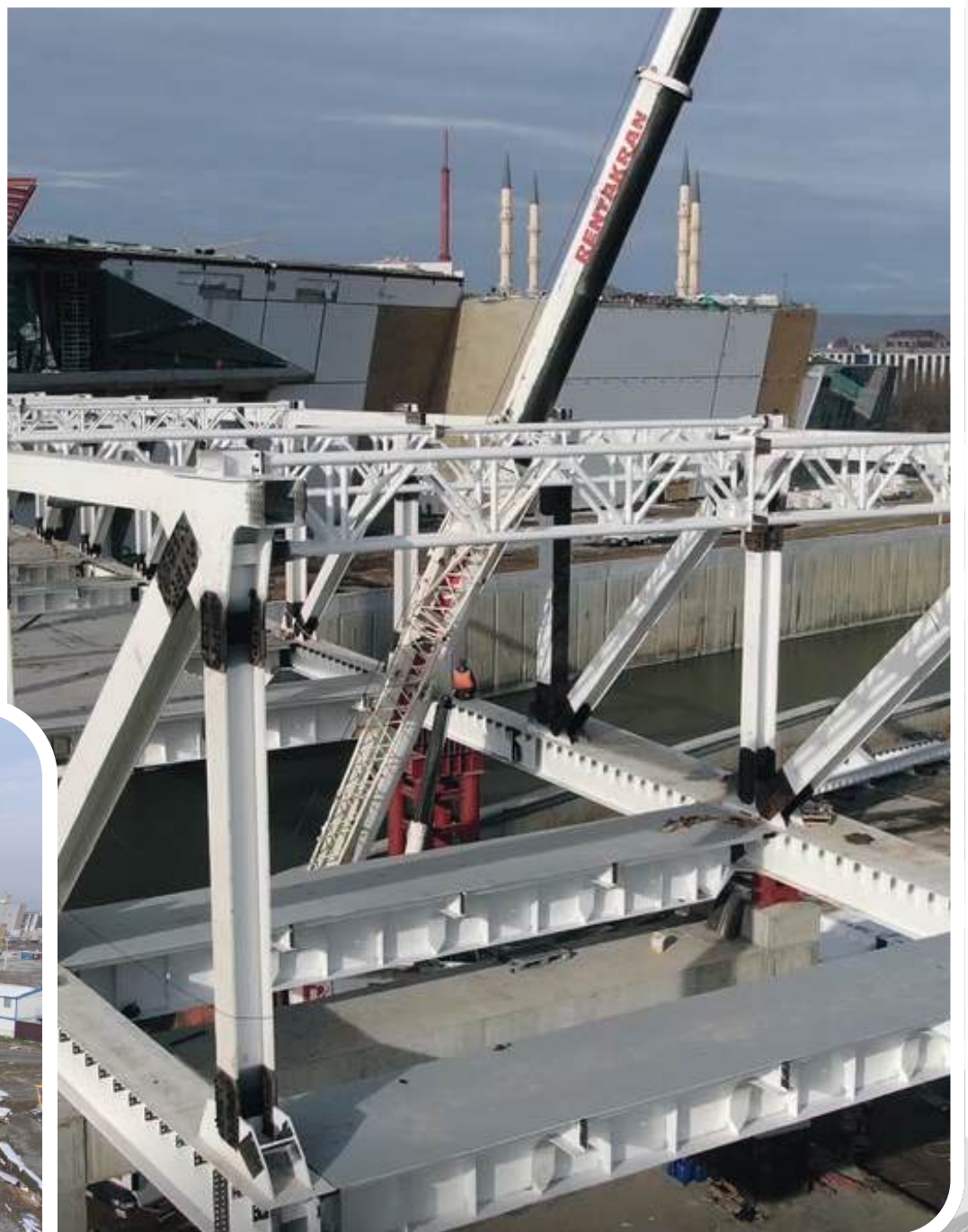


BRIDGE CROSSING

1,500 TONS OF STEEL STRUCTURES



GROZNY,
CHECHEN REPUBLIC



RAILWAY STATION

1,190 TONS OF STEEL STRUCTURES



**GROZNY,
CHECHEN REPUBLIC**



RAILWAY STATION

250 TONS OF STEEL STRUCTURES



**GUDERMES,
CHECHEN REPUBLIC**



U. AKHTAEV VOLLEYBALL PALACE

810 TONS OF STEEL STRUCTURES



**GROZNY,
CHECHEN REPUBLIC**



LENTA HYPERMARKET

1,876 TONS OF STEEL STRUCTURES

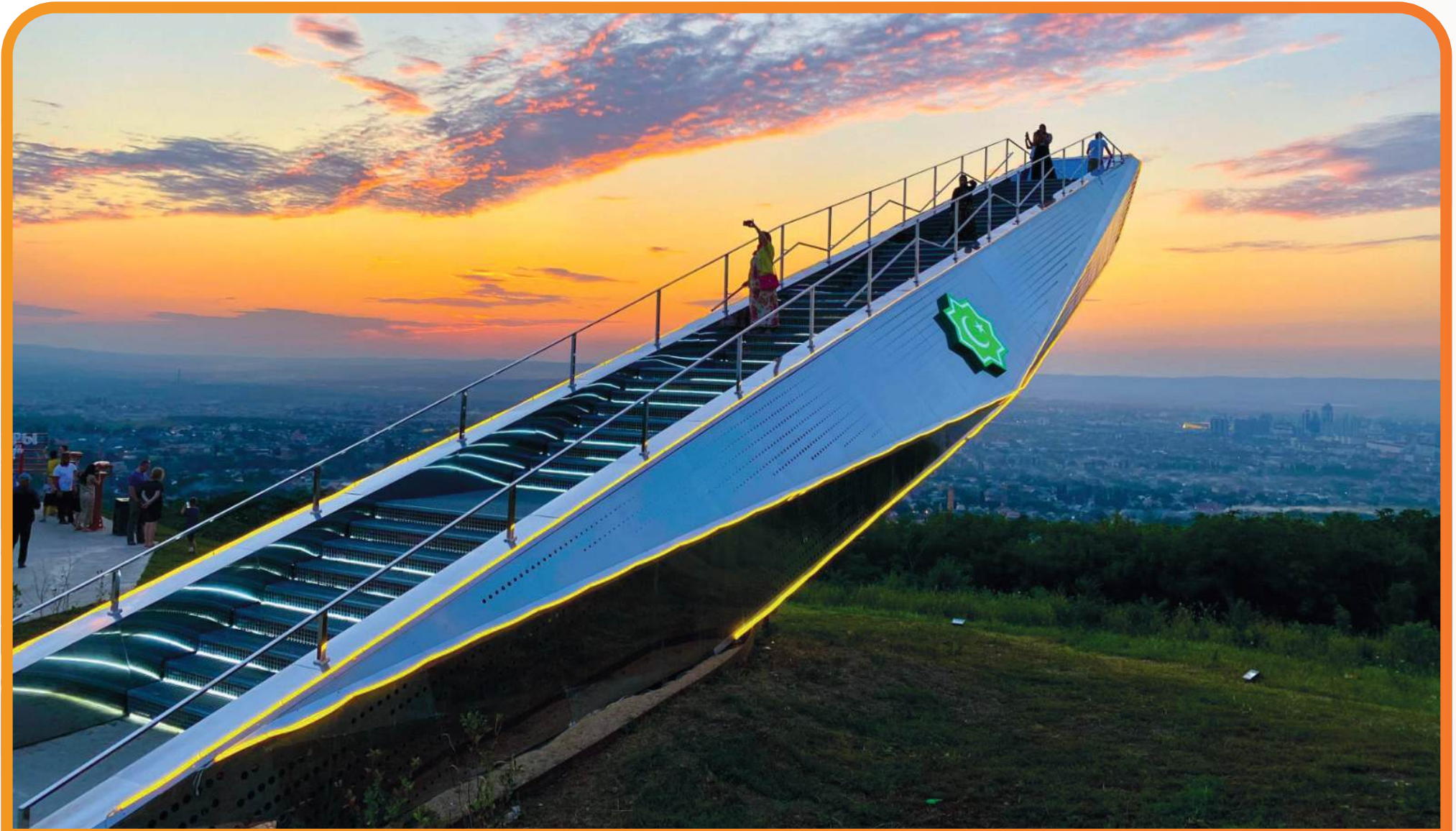


**GROZNY,
CHECHEN REPUBLIC**

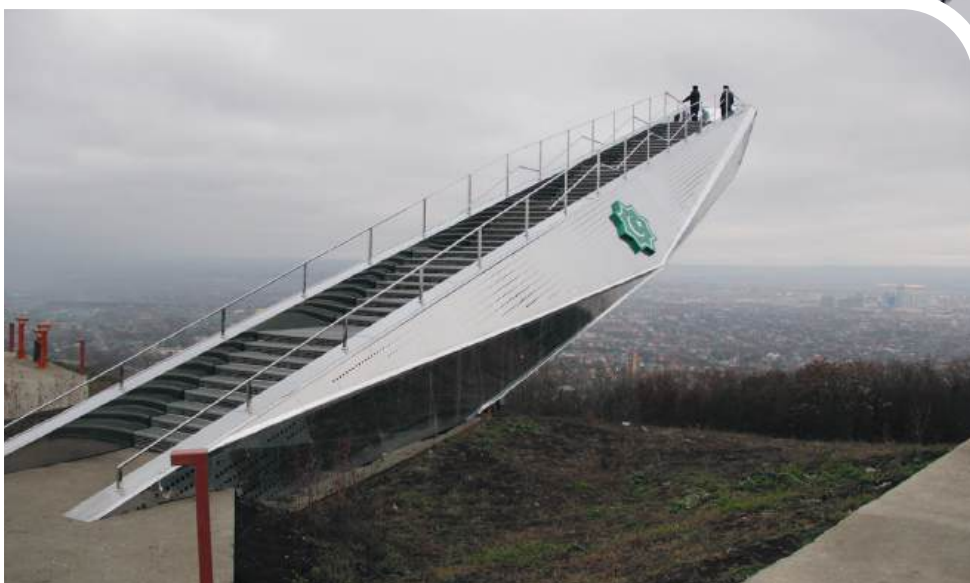
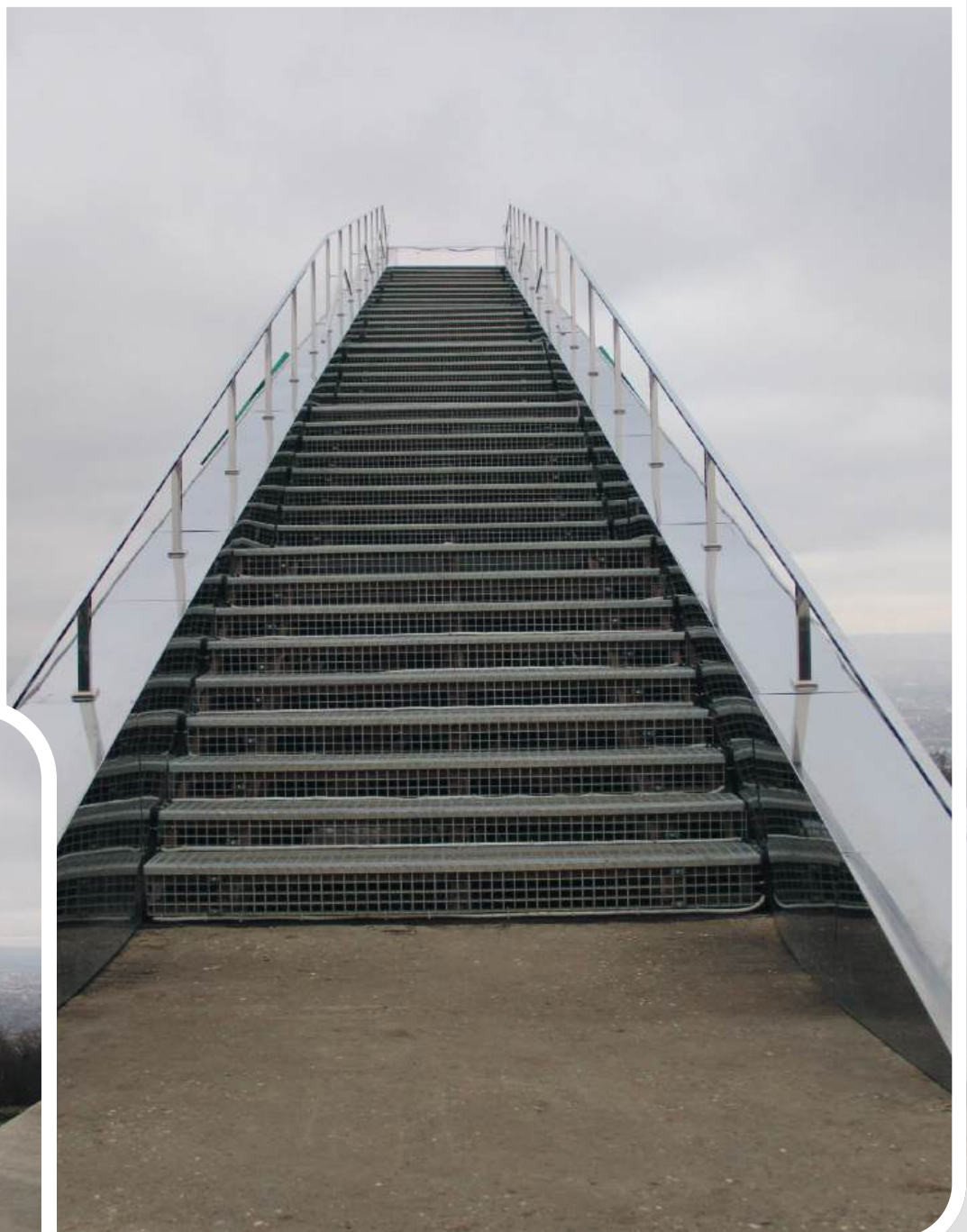


OBSERVATION DECK “STAIRWAY TO HEAVEN”

40.3 TONS OF STEEL STRUCTURES



**GROZNY,
CHECHEN REPUBLIC**



MFC “MINUTKA”

455 TONS OF STEEL STRUCTURES

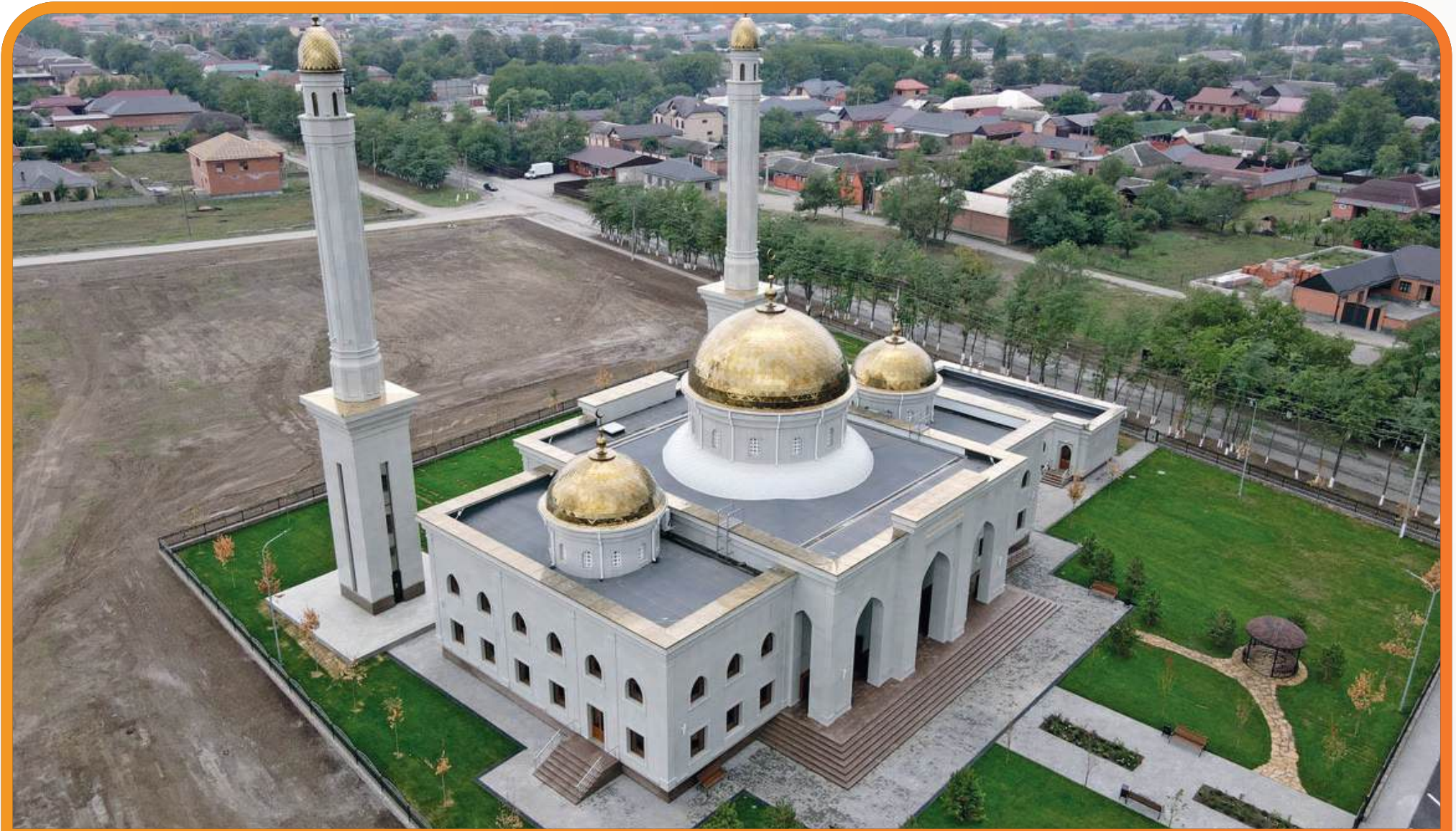


**GROZNY,
CHECHEN REPUBLIC**



ABDUL-KADIR MOSQUE

180 TONS OF STEEL STRUCTURES



**GROZNY,
CHECHEN REPUBLIC**



M.D. MILLIONCHIKOV TOWER

100 TONS OF STEEL STRUCTURES



**GROZNY,
CHECHEN REPUBLIC**



PEDESTRIAN CROSSING

45 TONS OF STEEL STRUCTURES



VOLGOGRAD



DATA PROCESSING CENTER FOR SBERBANK PAO

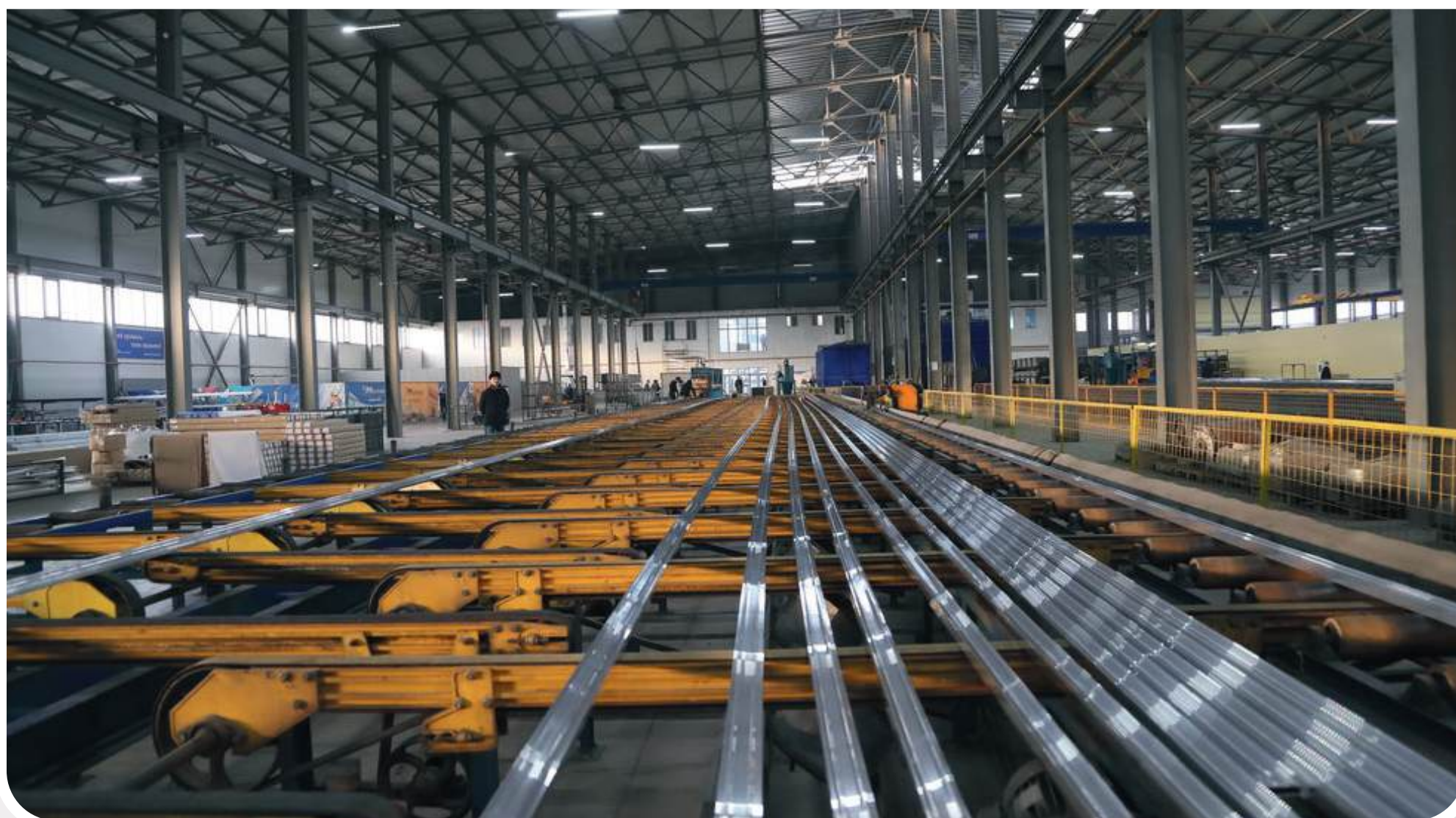
1,100 TONS OF STEEL STRUCTURES

SARATOV REGION



ALUMINUM PROFILE FACTORY

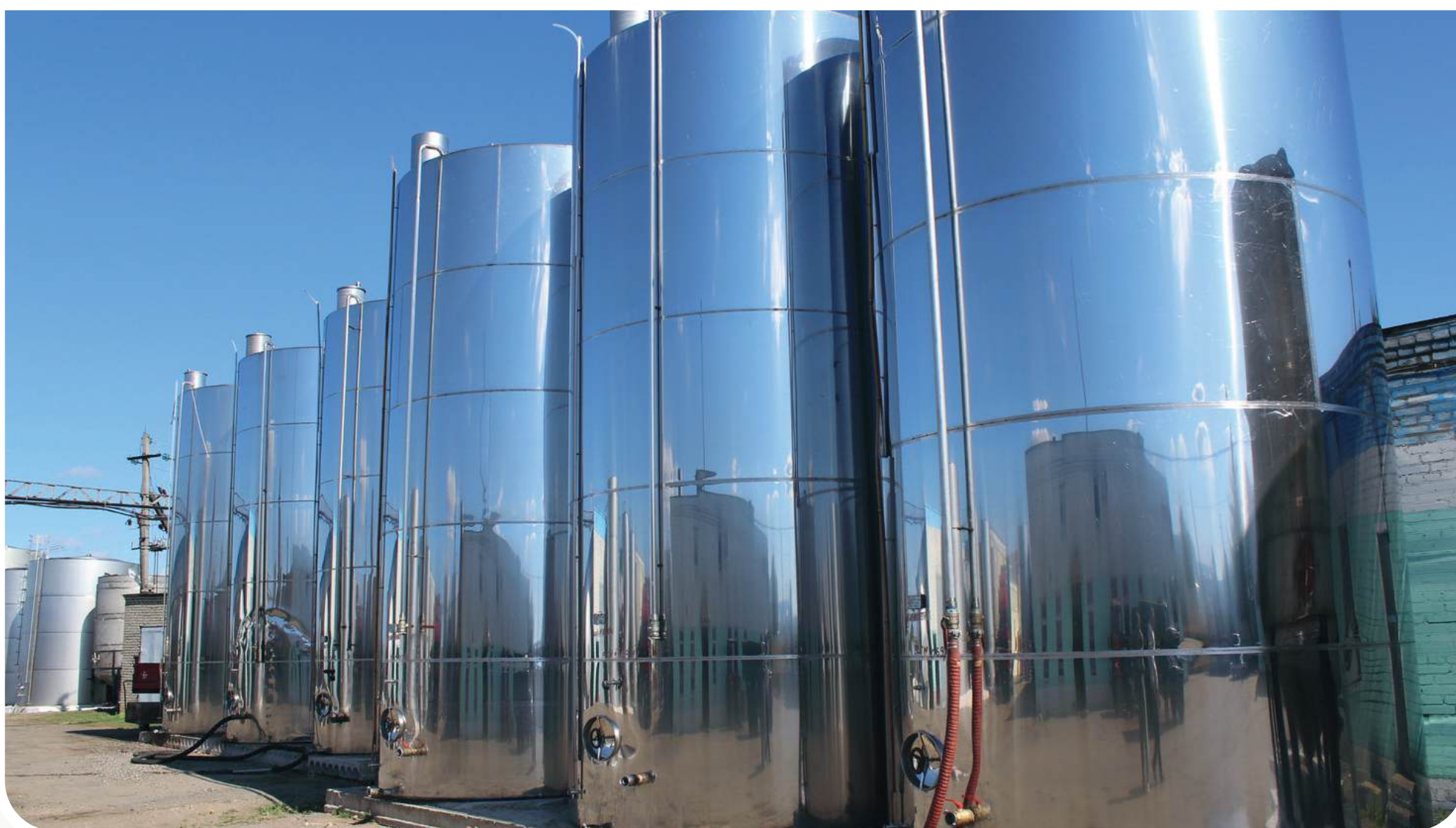
MAGAS, REPUBLIC OF INGUSHETIA



WATER TANKS

10,000 CUBIC METERS

KAZAKHSTAN



ELEVATORS

300 TONS OF STEEL STRUCTURES

ARGUN



PROJECTS IMPLEMENTED BY THE COMPANY

Customer	Facility	Date
LLC "NIYSO I K"	Canopy over the railway station building (1,179.5 tons of steel structures)	12.05.2022 yr.
CJSC "FARN" "Spartak Stadium"	Canopy of west and east stands (KMD project development)	26.08.2022 yr.
LLC MTK "Standart-S"	Manufacture, delivery and installation of steel structures (390 tons of steel structures)	24.11.2022 yr.
LLC "IRSTONE"	West stand (807.5 tons of steel structures)	12.12.2022 yr.
CJSC "FARN", RSO-A	East stand (620 tons of steel structures)	01.02.2023 yr.
LLC "SPEZSTROYPROEKT"	Houses on Manezh Island (94.5 tons of steel structures)	18.07.2023 yr.
LLC "ATIS"	Pedestrian bridge (95.7 tons of steel structures)	30.07.2023 yr.
LLC "NIYSO i K"	Manufacture of steel structures (1,250 tons)	27.10.2023 yr.
LLC "Stroy Ist Invest" "School for 900 students"	Roof for school (68.2 tons of steel structures)	01.11.2023 yr.

Customer	Facility	Date
LLC SK “MONOLIT”	Supply of steel structures (29.4 tons)	15.11.2023 yr.
LLC “Palmira Group”	Sberbank data center in Saratov region (556 tons of steel structures)	22.11.2023 yr.
LLC “SPEZSTROYPROEKT”	Garage for a house on the island (60 tons of steel structures)	10.01.2024 yr.
LLC “Niyso i K” “Railway Station”	Manufacture of balcony fencing steel structures	12.02.2024 yr.
LLC “ATLANT STROY”	Auxiliary airport buildings (858.6 tons of steel structures)	28.02.2024 yr.
LLC “ATLANT STROY”	Shelter building (18.2 tons of steel structures)	28.02.2024 yr.
LLC “Niyso i K” “Railway Station”, Chechen Republic, Grozny	Steel plates (597.28 kg of steel structures)	29.02.2024 yr.
LLC “Stroy-Mosque”	Dome (26.4 tons of steel structures)	14.03.2024 yr.
LLC “Dorstroyalyans”	Manufacture and installation of small architectural forms	16.07.2024 yr.
LLC “LSM”	Airport terminal complex (94.4 tons of steel structures)	30.07.2024 yr.
JSC “Eurochem”	Manufacture of steel structures (404 tons)	10.10.2024 yr.
LLC “ATLANT STROY”	Manufacture of steel structures (2,500 tons)	10.10.2024 yr.

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