



METALWORKS

BM Industrial product catalogue

- Prototyping services
- Metal constructions design
- Nonstandard products
- Highway gantries
- Building constructions
- Towers and masts





About BM Industrial

The operation of the company BM Industrial is based upon 60 years' experience of work along with the management by a contemporary team of engineers and senior managers. The leading European companies operating in the various fields of business are our clients and partners.



The company uses its experience and knowledge to perform a full range of work aimed at creation and development of products made of steel, starting from an idea, design and finishing with a final product at our own manufacturing area of 4,000 m² and delivery of a product to the client.

The engineering unit performs a complex task for the purpose of releasing a product:

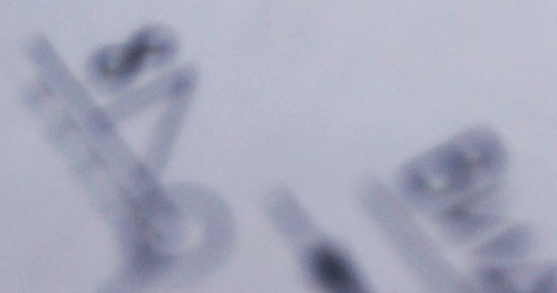
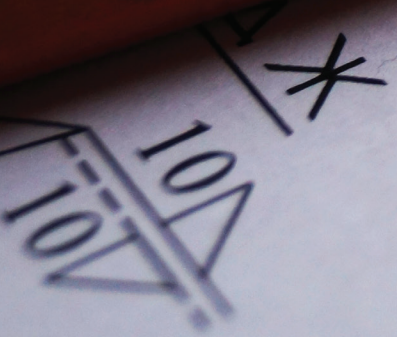
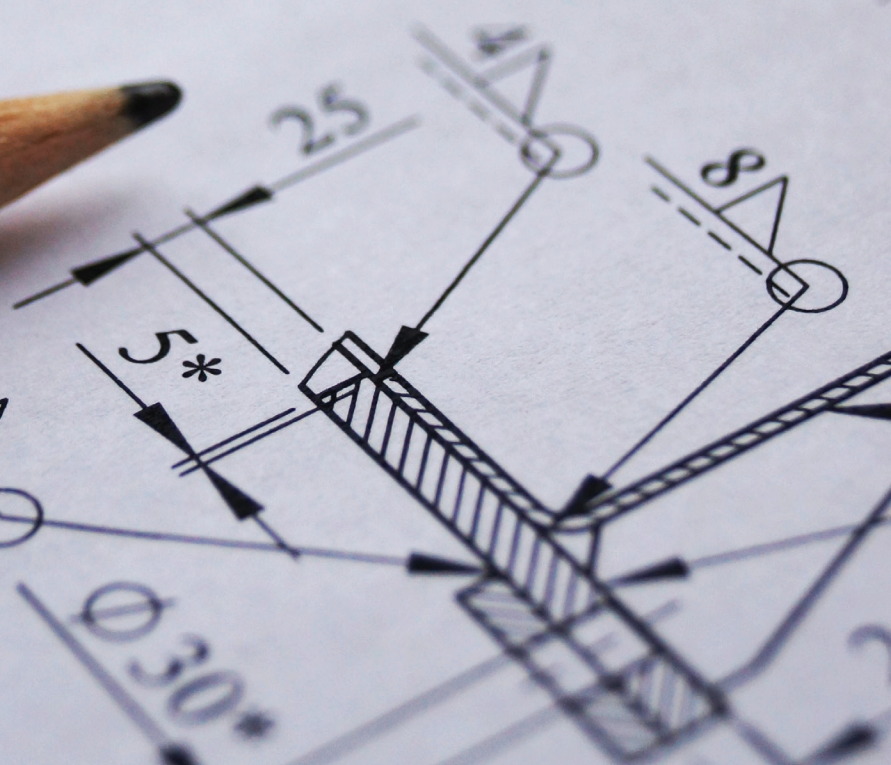
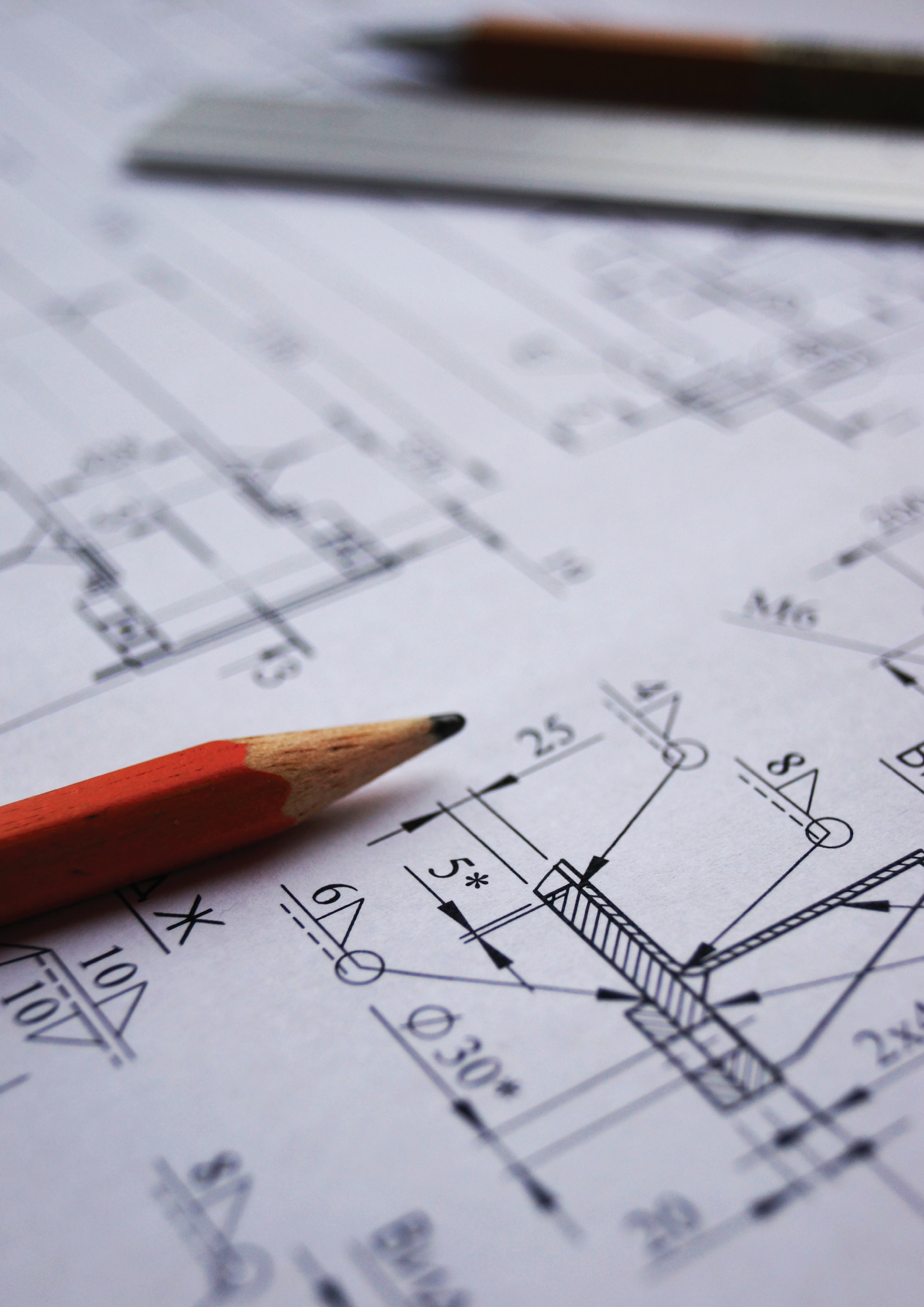
- Idea generation and conceptual design
- Creation of rough drawings
- The required strength calculations
- Three-dimensional modeling
- Visualization
- Construction
- Manufacturing technique and equipment choice
- Choice of material and component suppliers
- A final product.

In the process of development the design of assembly components is subject to optimization in accordance

with production requirements. This is done to get the highest quality, to minimize the time used for production of an off-the-shelf component and to lower manufacturing costs thereof. The most effective results arise from the active cooperation with the Client's professional staff members. We assist our clients in creating innovative, rival products. Furthermore BM Industrial manufactures metal structures according Customer's steel structure detailed design.

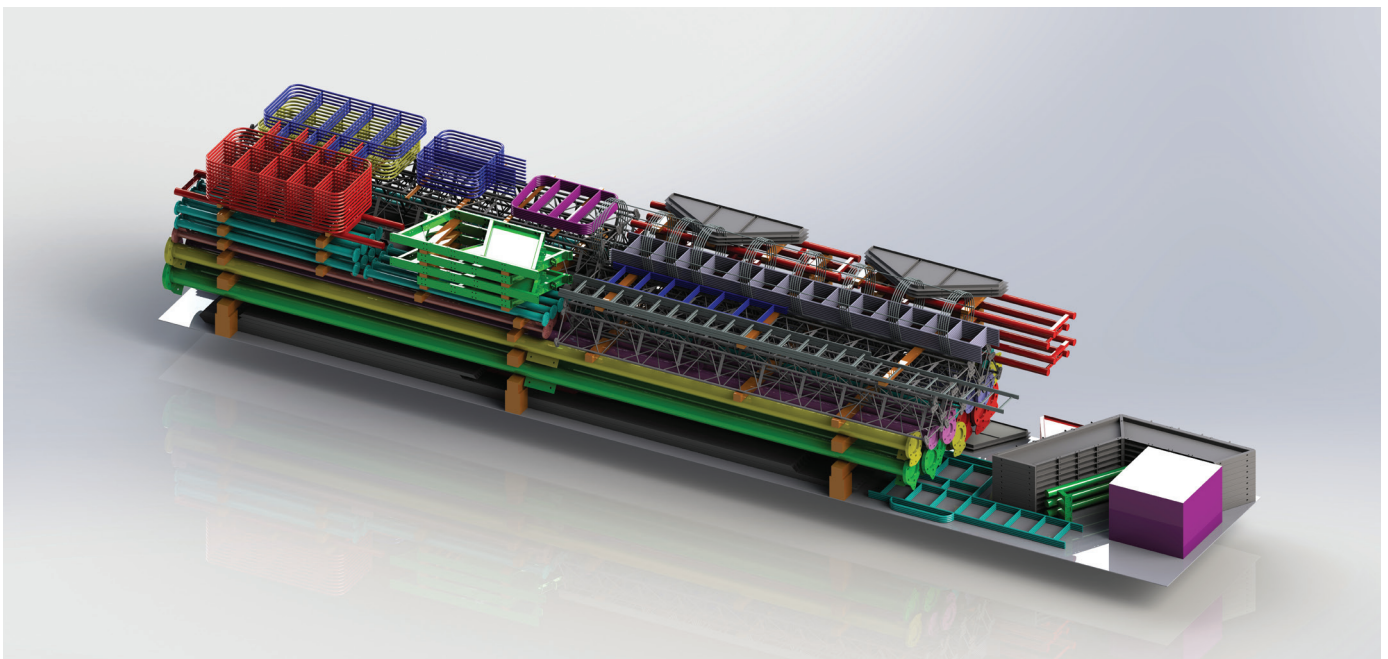
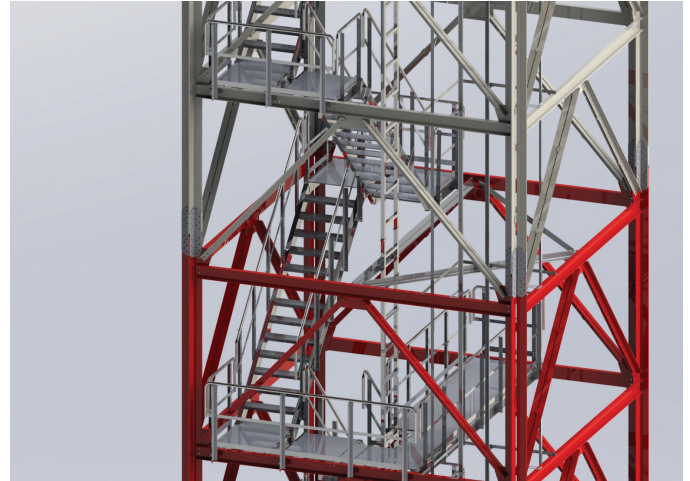
BM Industrial carries all the necessary certificates to ensure the top quality of the products delivered to the clients:

- **ISO 9001:2009**
- **EN 1090:2009**
- Specialist **certificate for magnetic particle testing** in accordance with standard EN 473, competence level 2
- Specialist **certificate for visual testing** in accordance with standard EN 473, competence level 2.



Metal constructions design

The team of designers and technologists of the company BM Industrial professionally performs different kinds of design work.



Documentation is drawn up according to the regulations and requirements of the region where the work results are to be used.

manufacturing of finished metal structures (including manufacturing on the basis of drawings provided by the Client).

We offer:

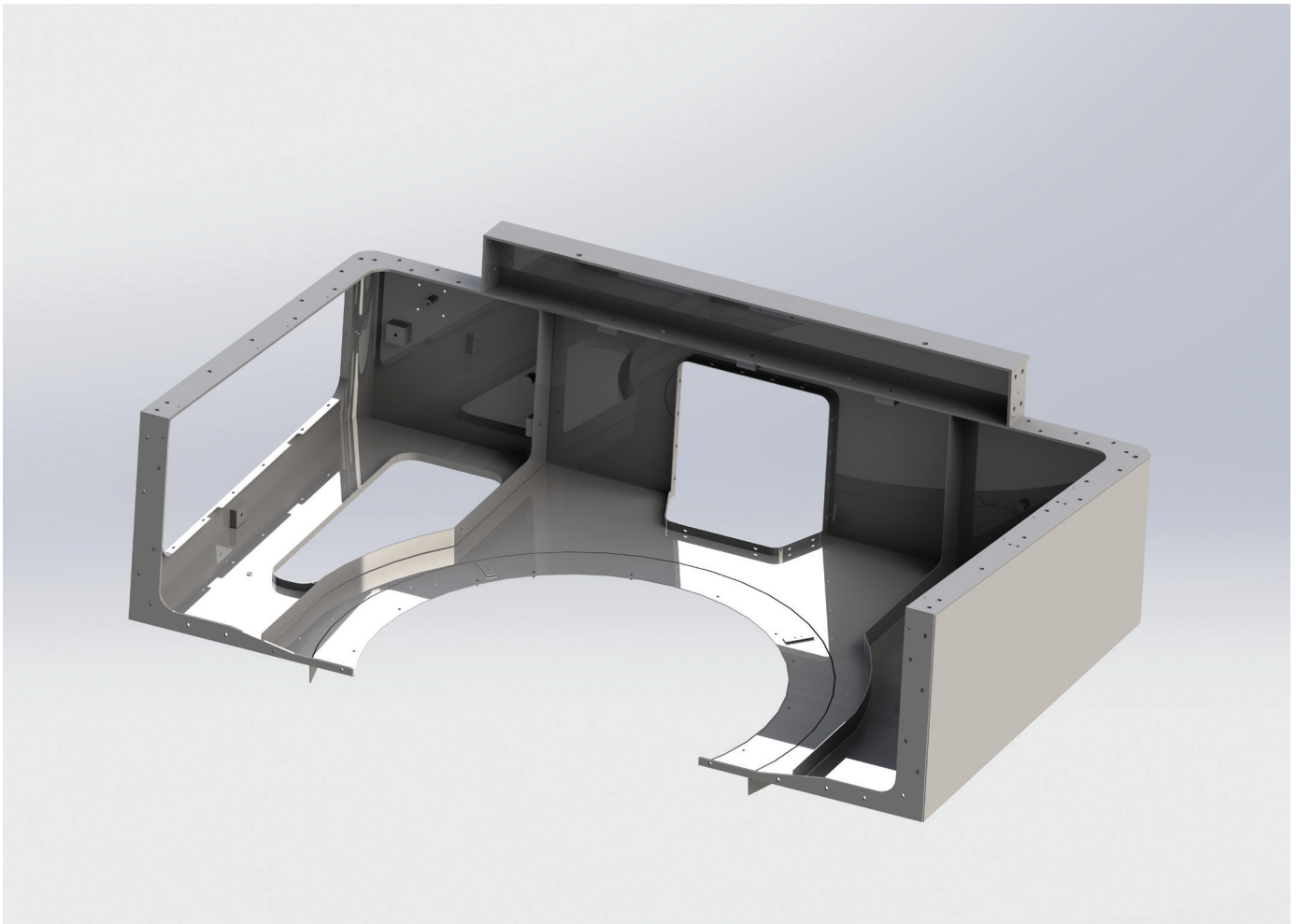
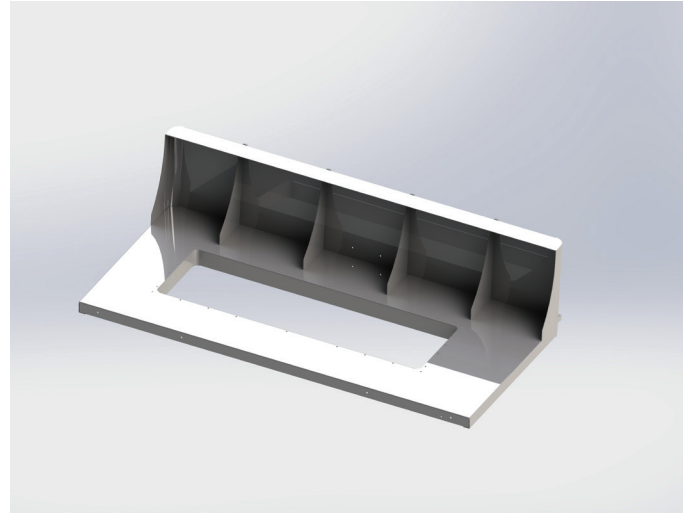
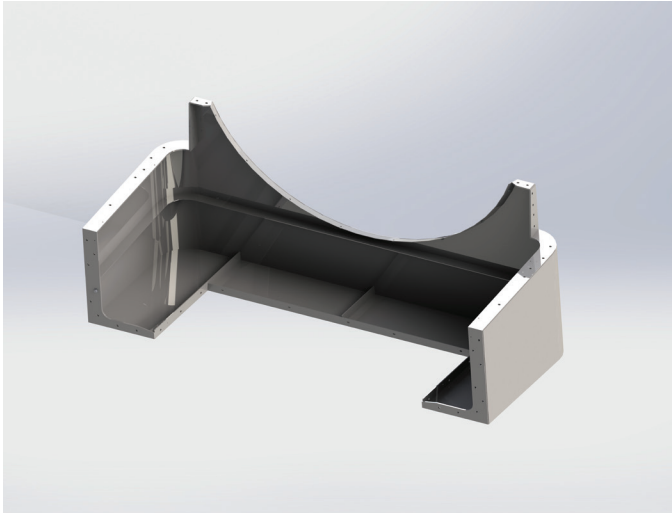
- Checking calculation of metal structures;
- 3D-modeling;
- Elaboration of design documentation (metal structures);
- Production design documentation (detailed design).
- Component manufacturing or



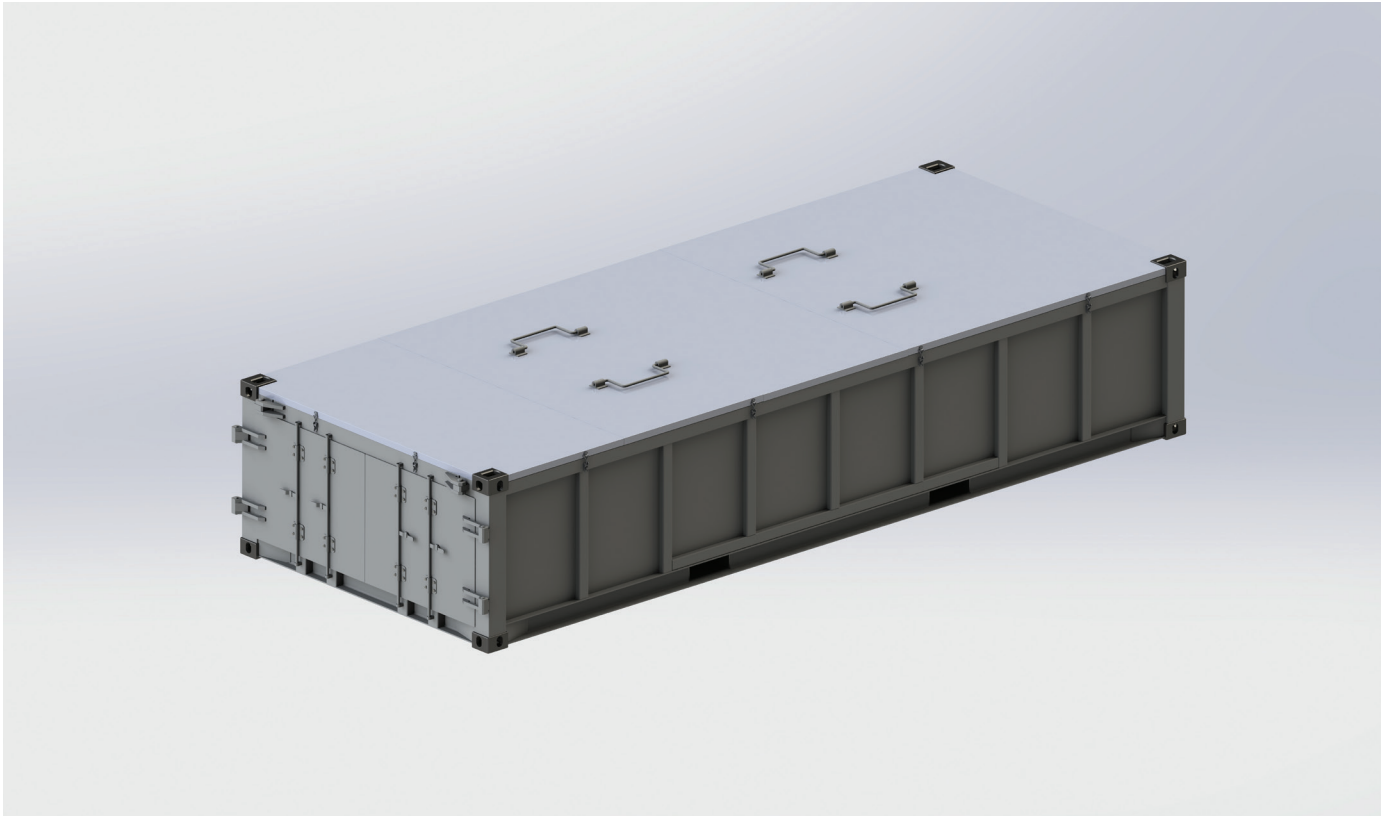
Nonstandard products

Metal frames of wind generator cabins

BM Industrial has long experience in the field of manufacturing the components and elements of wind generator cabins of various types (erected both on shore and in the shelf area).



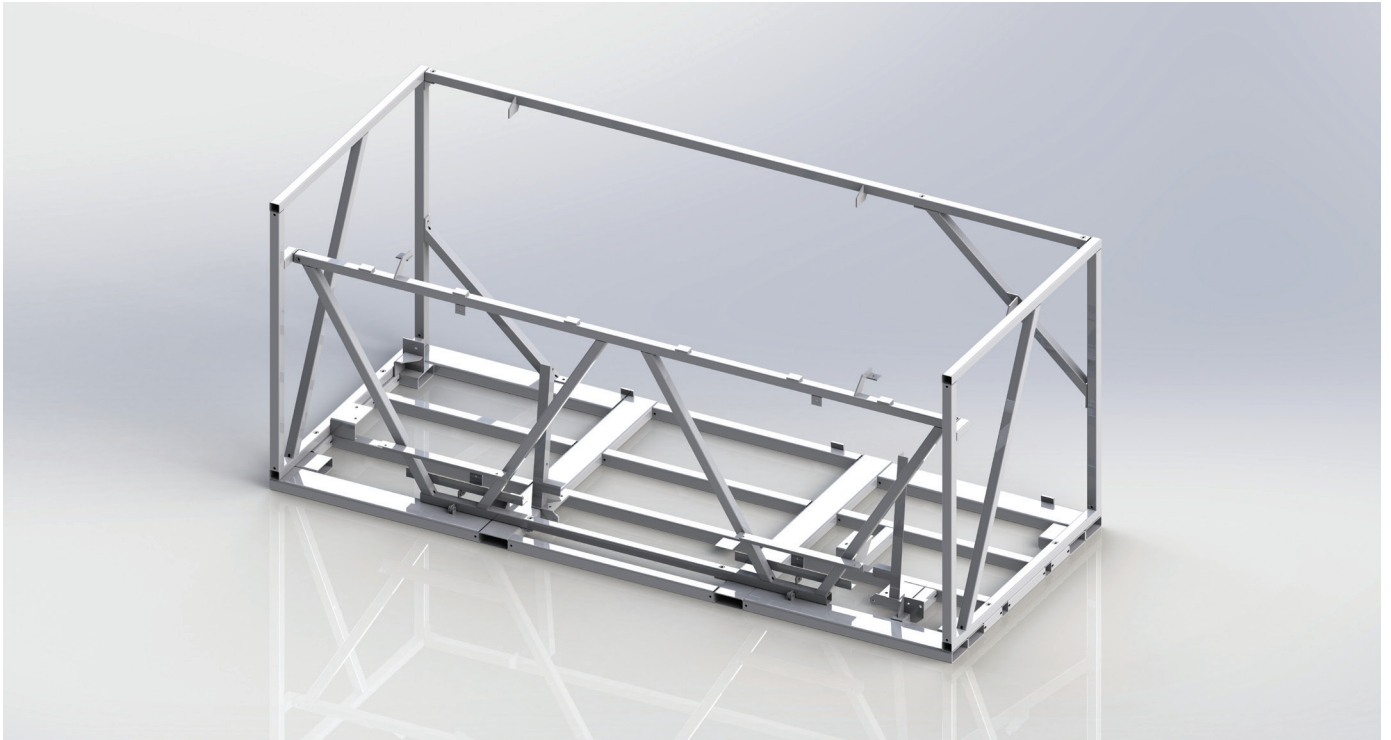
Freight container for atom energy



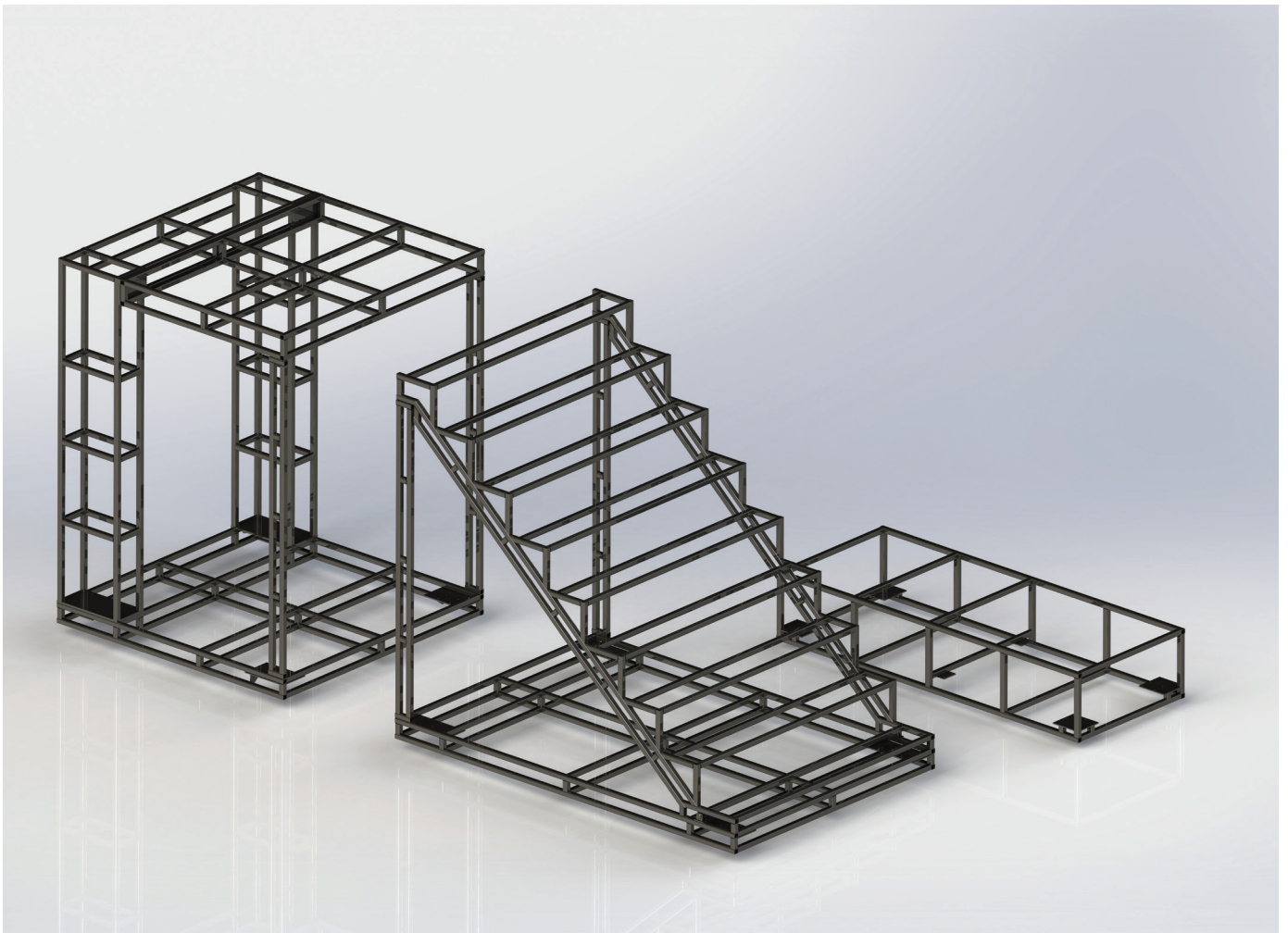
Industrial closet



Shipping frame



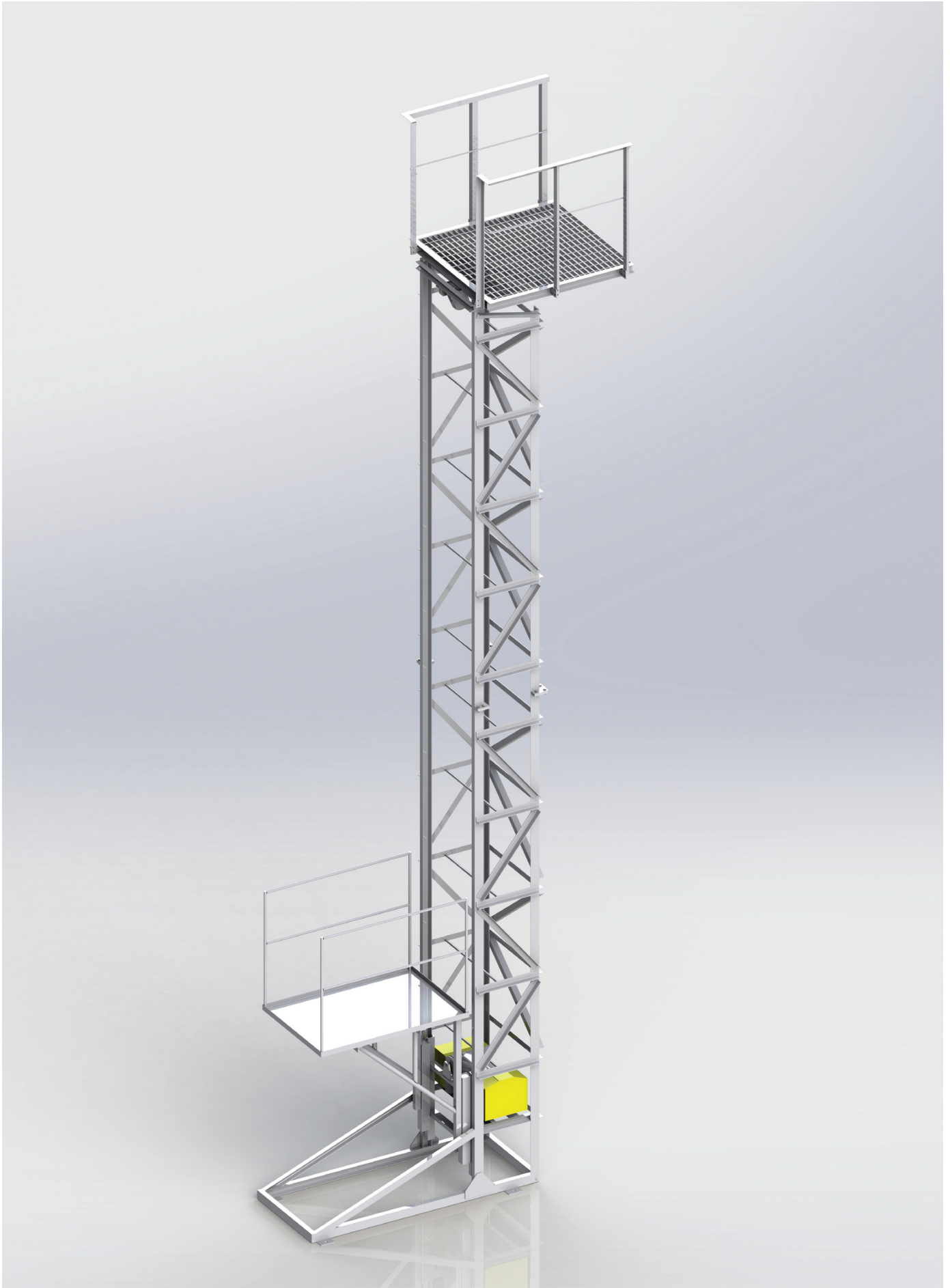
Frame for theatrical scenery

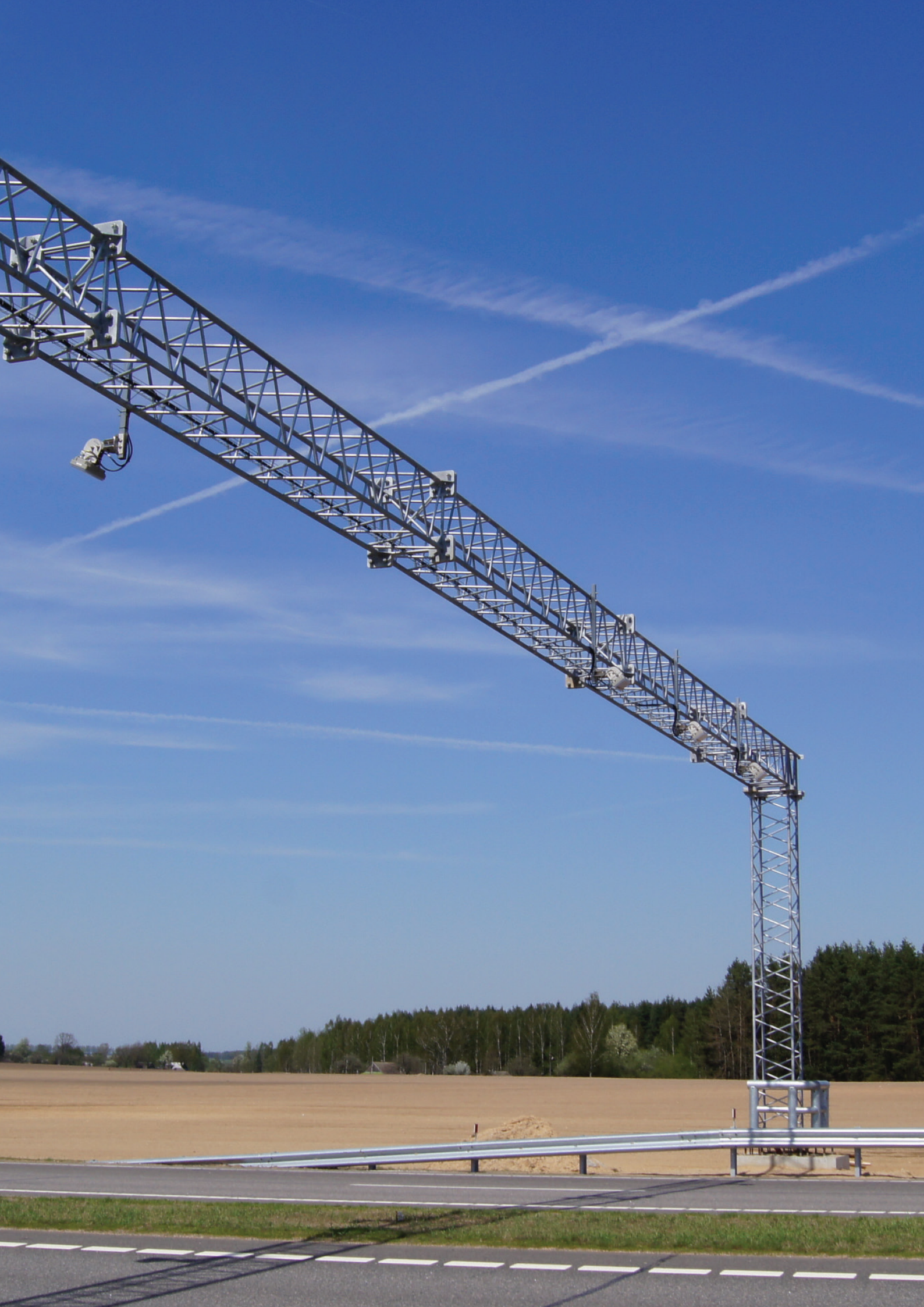


Stairs



Elevators





Highway gantries

Manufacturing of metal structures used for control and management of the traffic flow is a focus area of BM Industrial.



Supply of all the bearing supports for the Toll Collection system on the roads in the Republic of Belarus is one of the largest completed projects.

An additional equipment such as electrical box can be mounted on a structure.

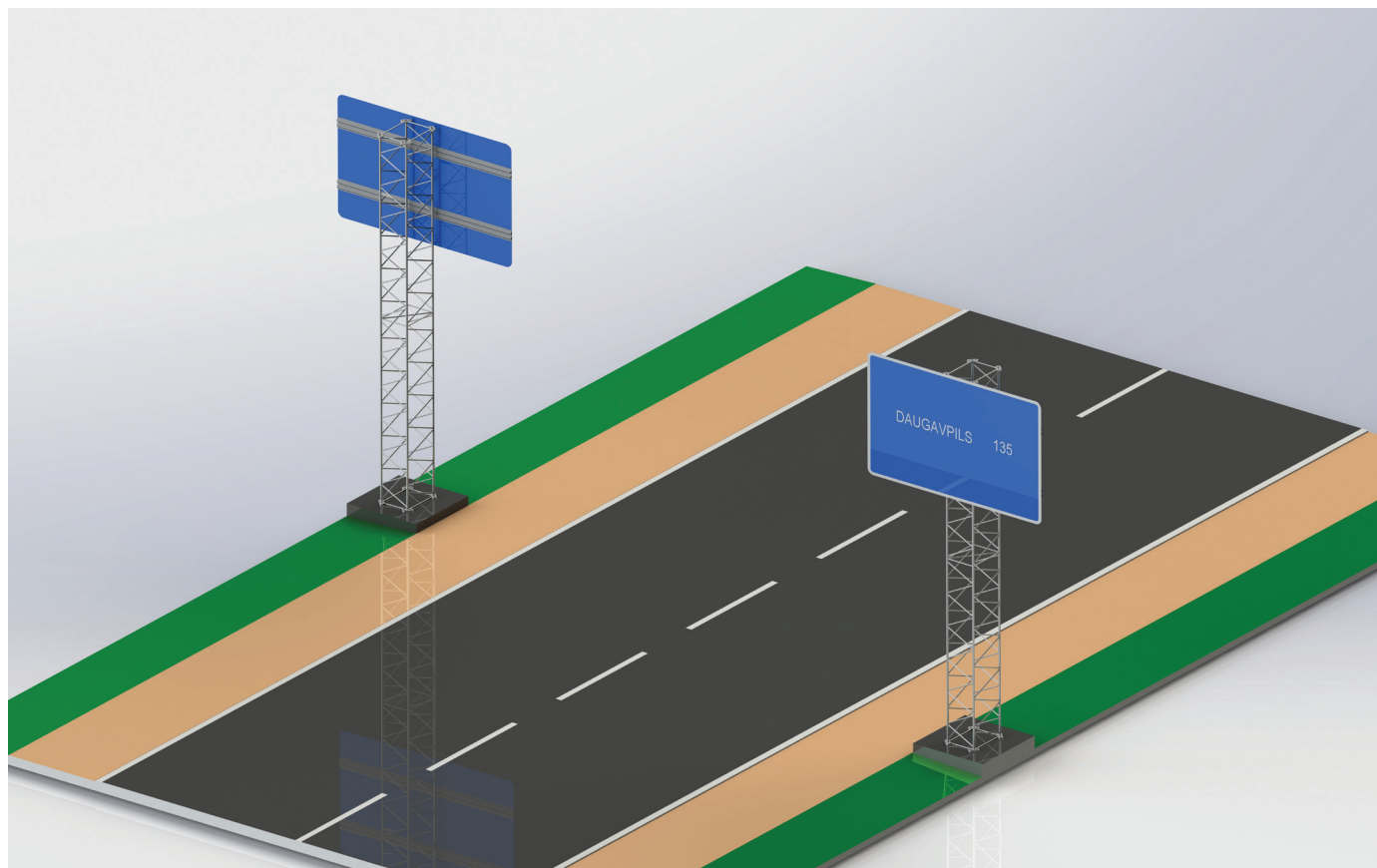
Various types of equipment can be installed on the bearing supports: signs, traffic lights, movement scanners, sensors, CCTV cameras, large-sized driver information displays, electronic information displays, etc.

We offer bearing supports of various configuration and size depending on the bed width and number of equipment:

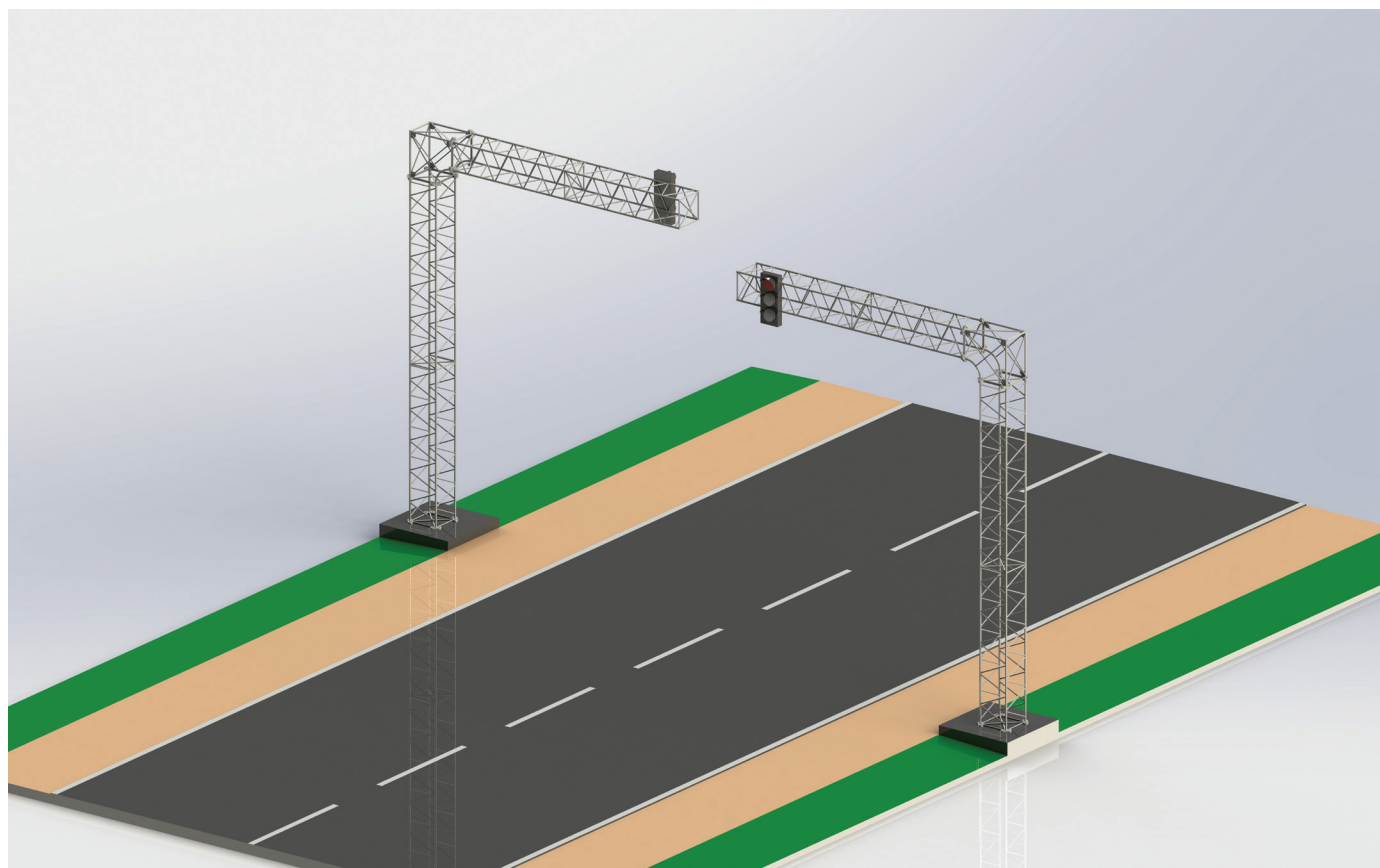
- **I-shaped;**
- **Г-shaped;**
- **П-shaped.**

The structures made of grid sections or large rectangular pipes.

I-type gantry

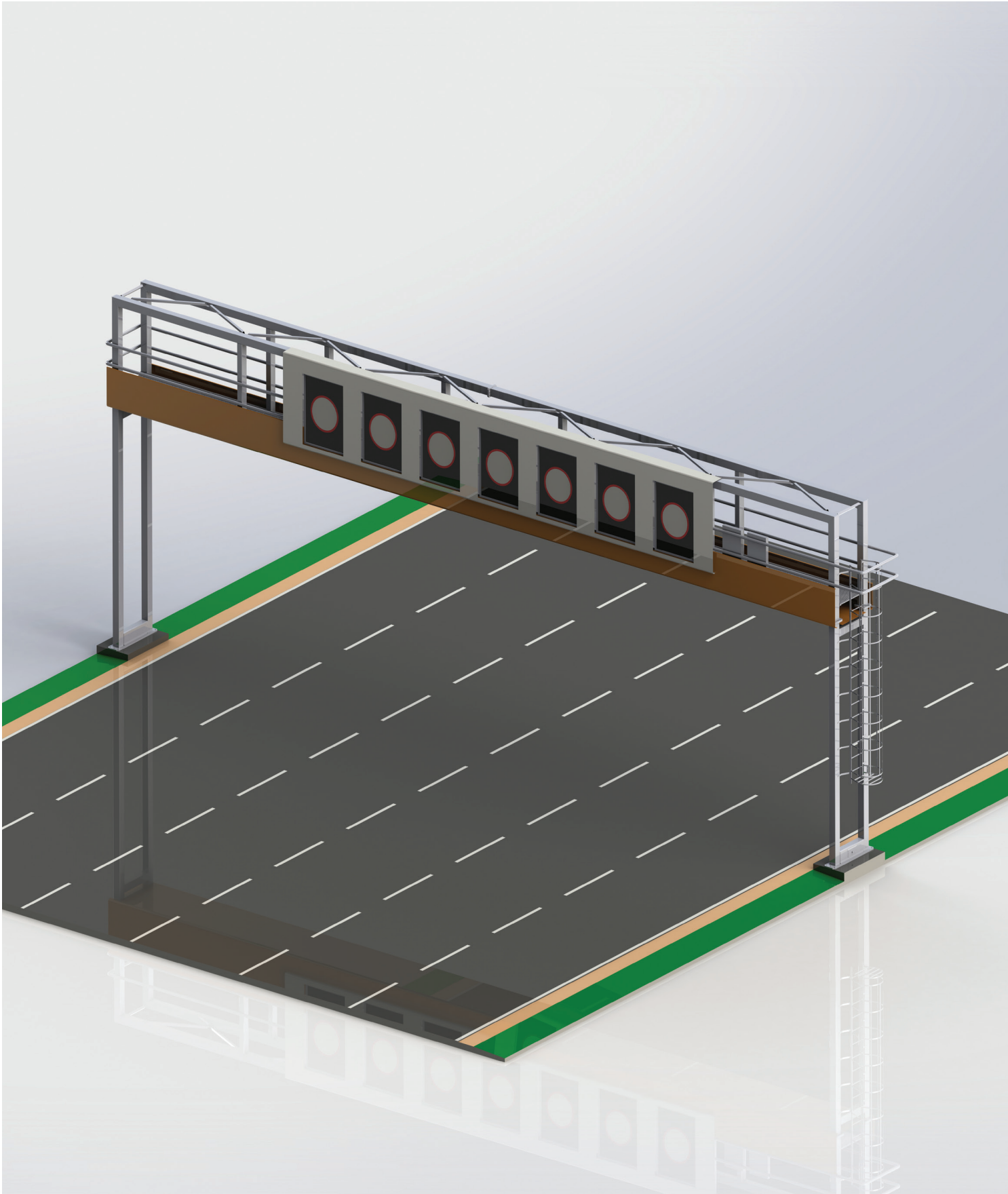


Г-type gantry

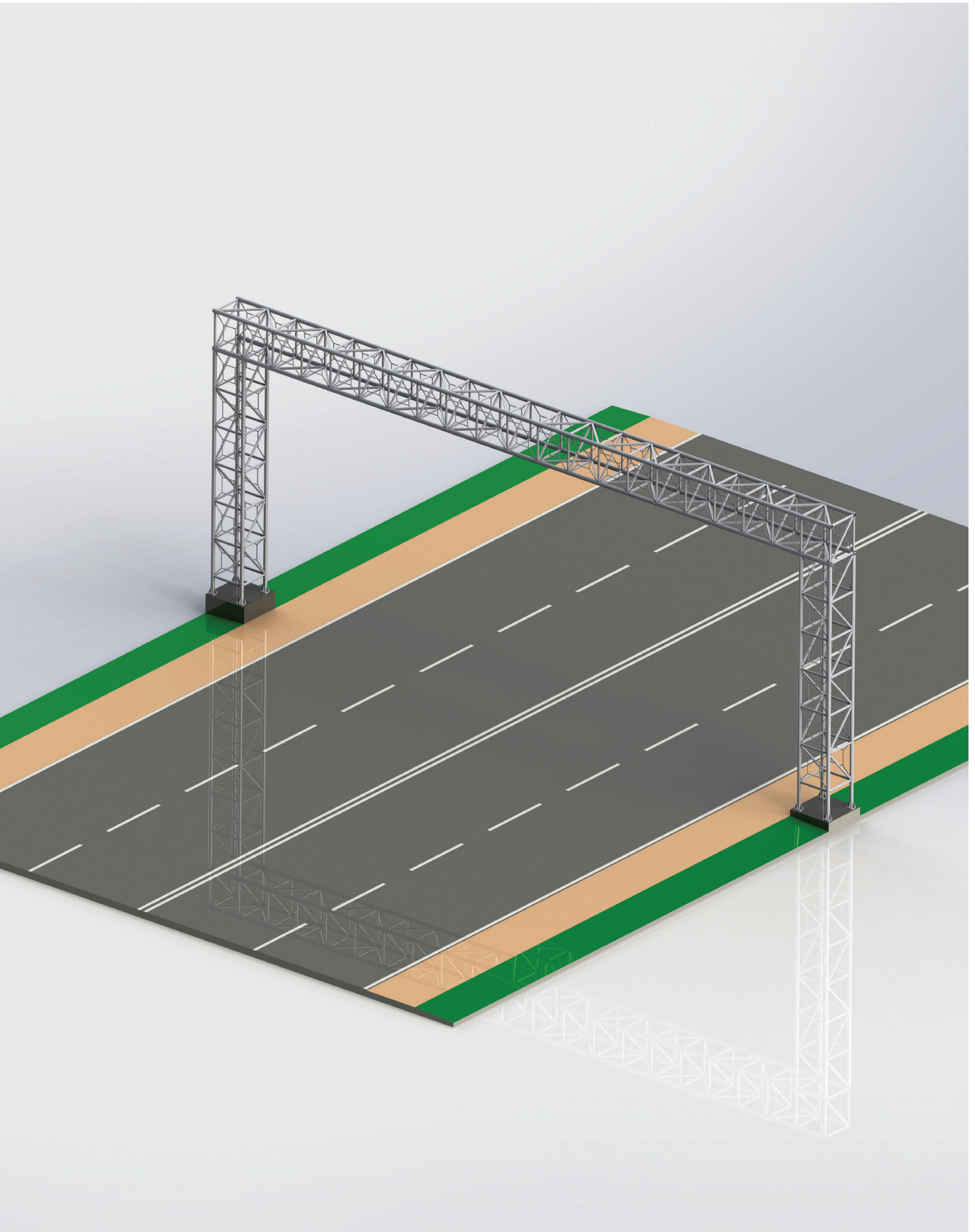


Π-type gantry

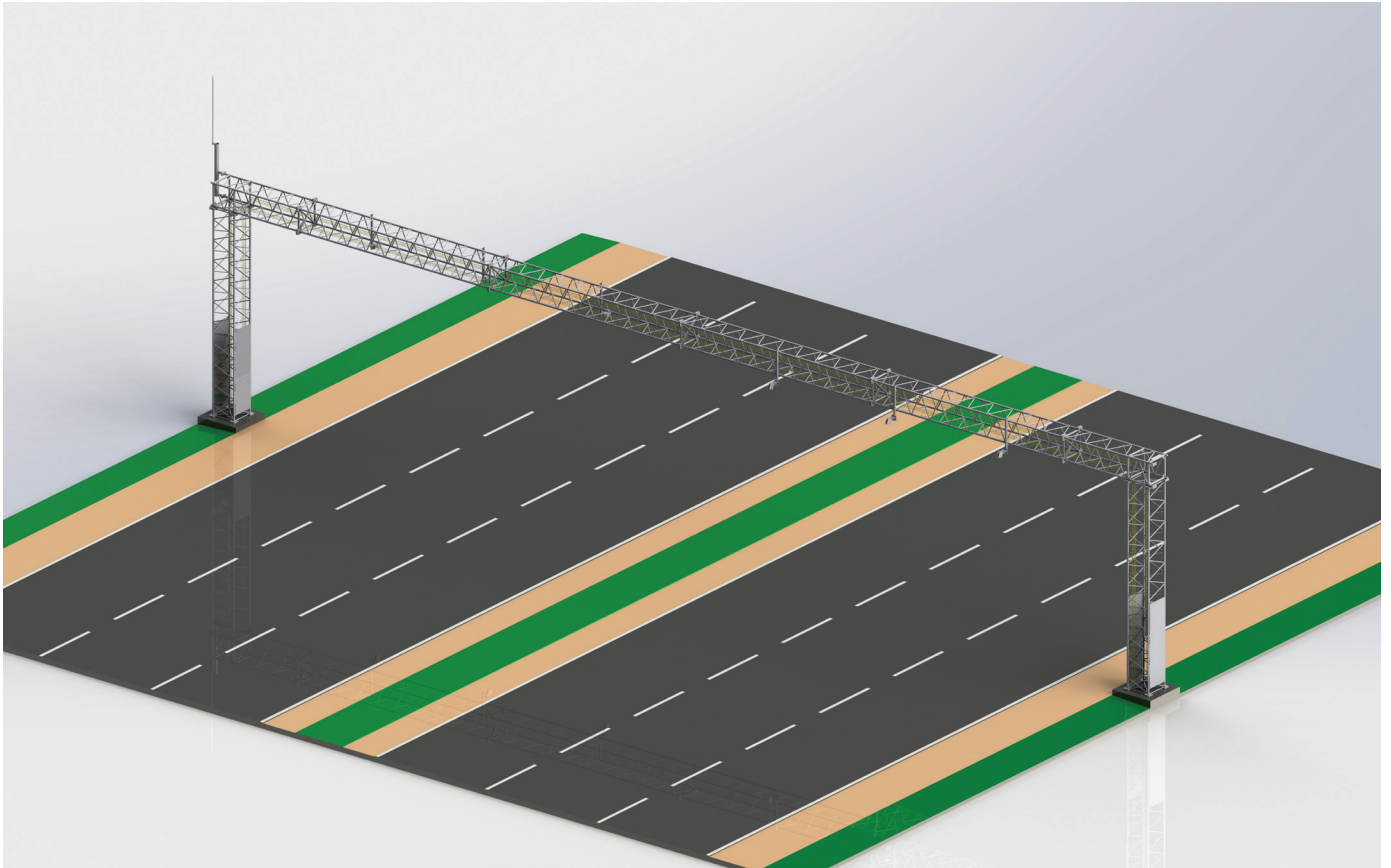
The gantry is designed for changeable road sign fixing.



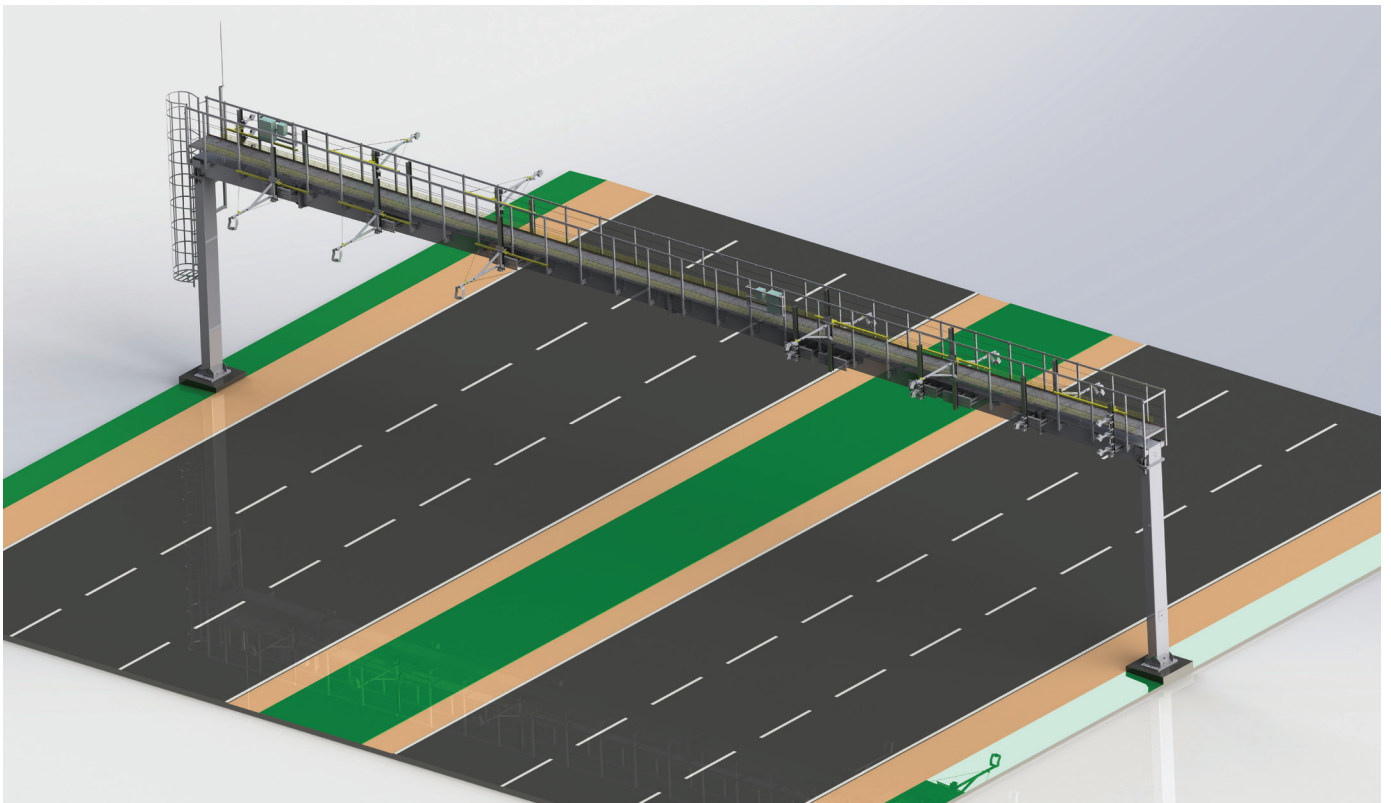
Π-type gantry



Π-type gantry



Strengthened Π-type gantry





Building constructions

BM Industrial has a great experience in the field of production of metal structures used for building.

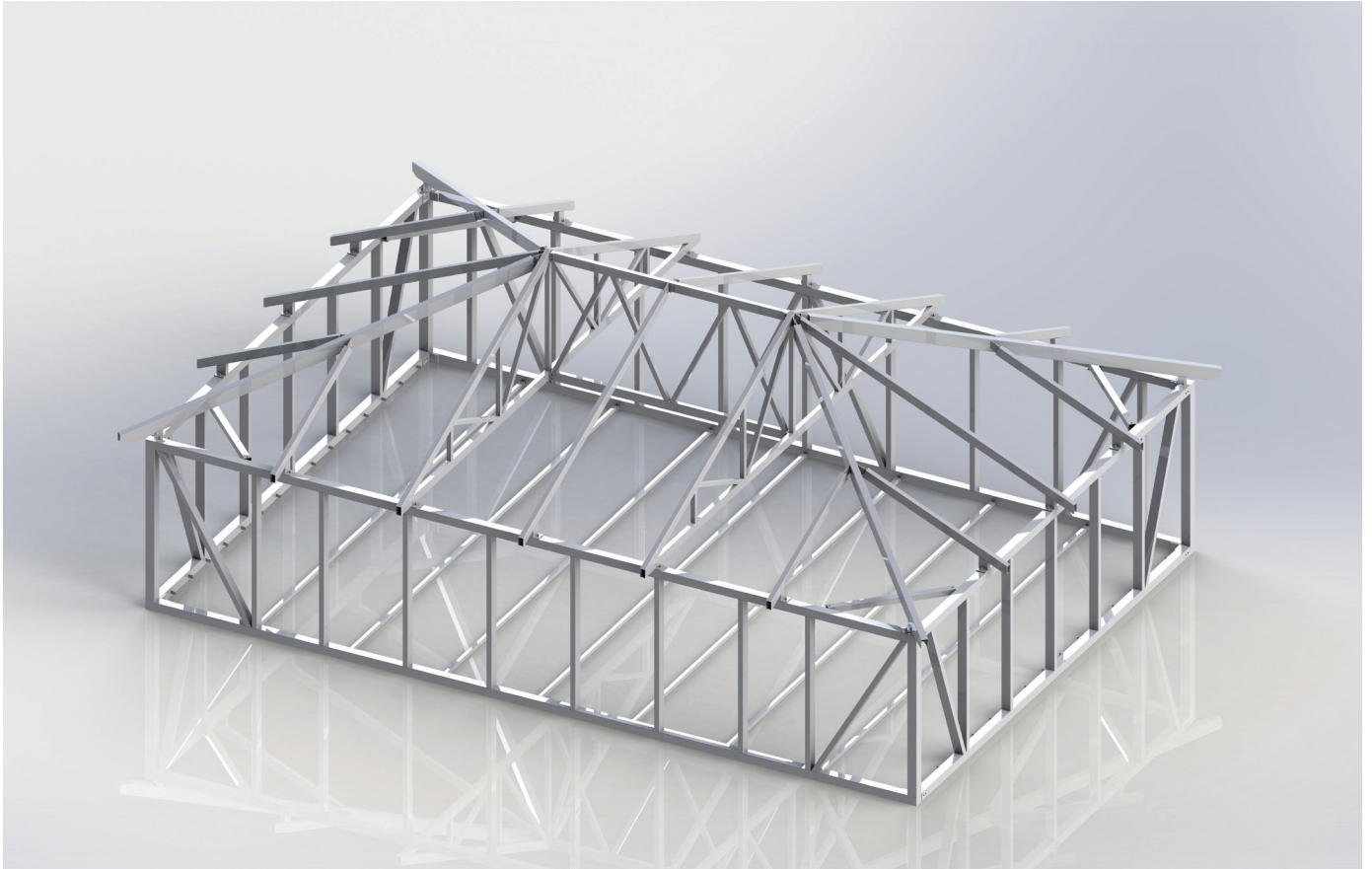


Car showrooms, shopping centers, offices and industrial buildings make up a list of building structures for the construction of which the products of BM Industrial were used.

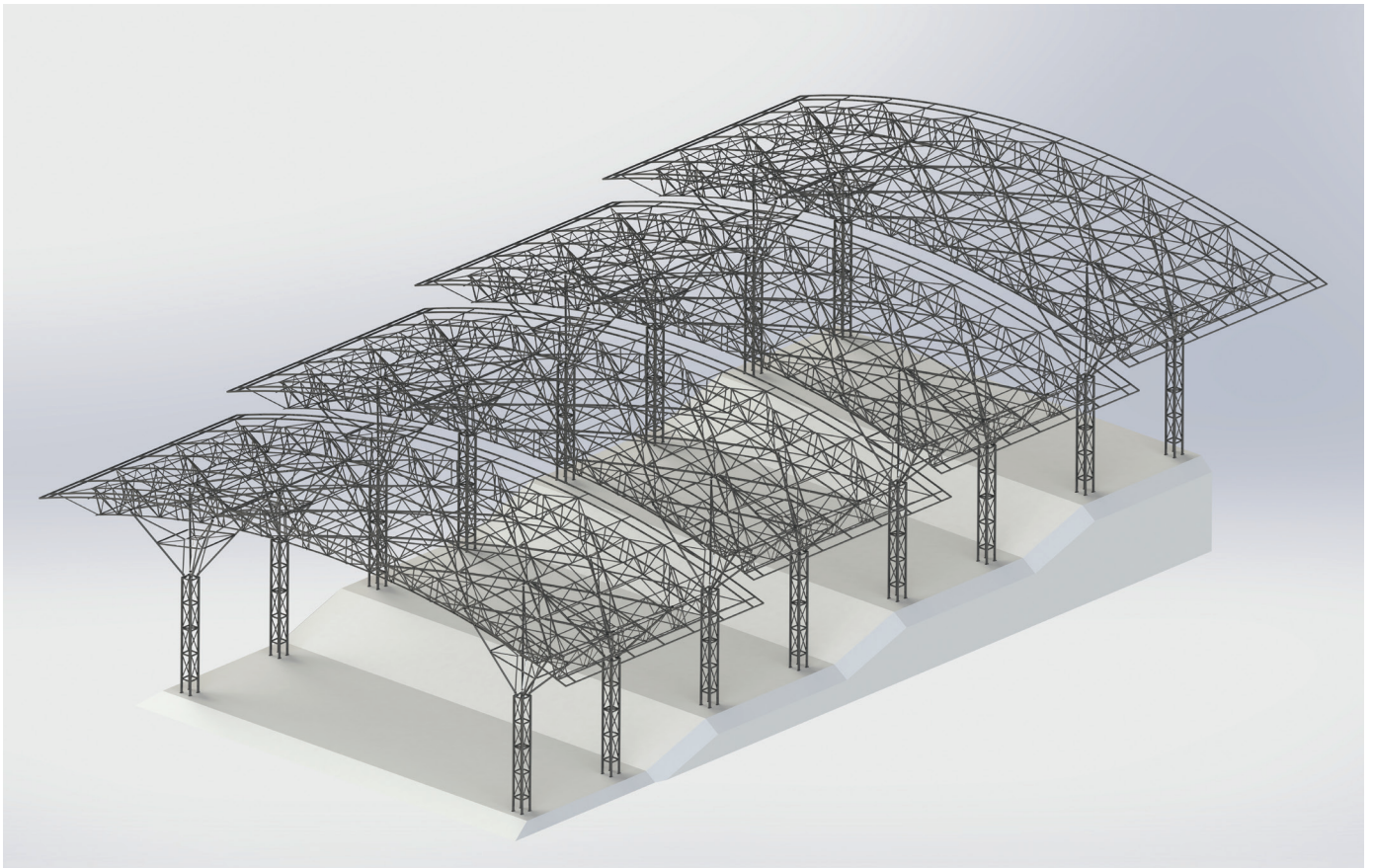
The company offers:

1. Design, 3D-modeling and various types of calculations for metal structures of any degree of complexity.
2. Preparation of technical documentation for the European market (EN 1090) and market of the CIS states (GOST).
3. Development of technological processes.
4. Component manufacturing or manufacturing of finished metal structures (including manufacturing on the basis of drawings provided by the Client).

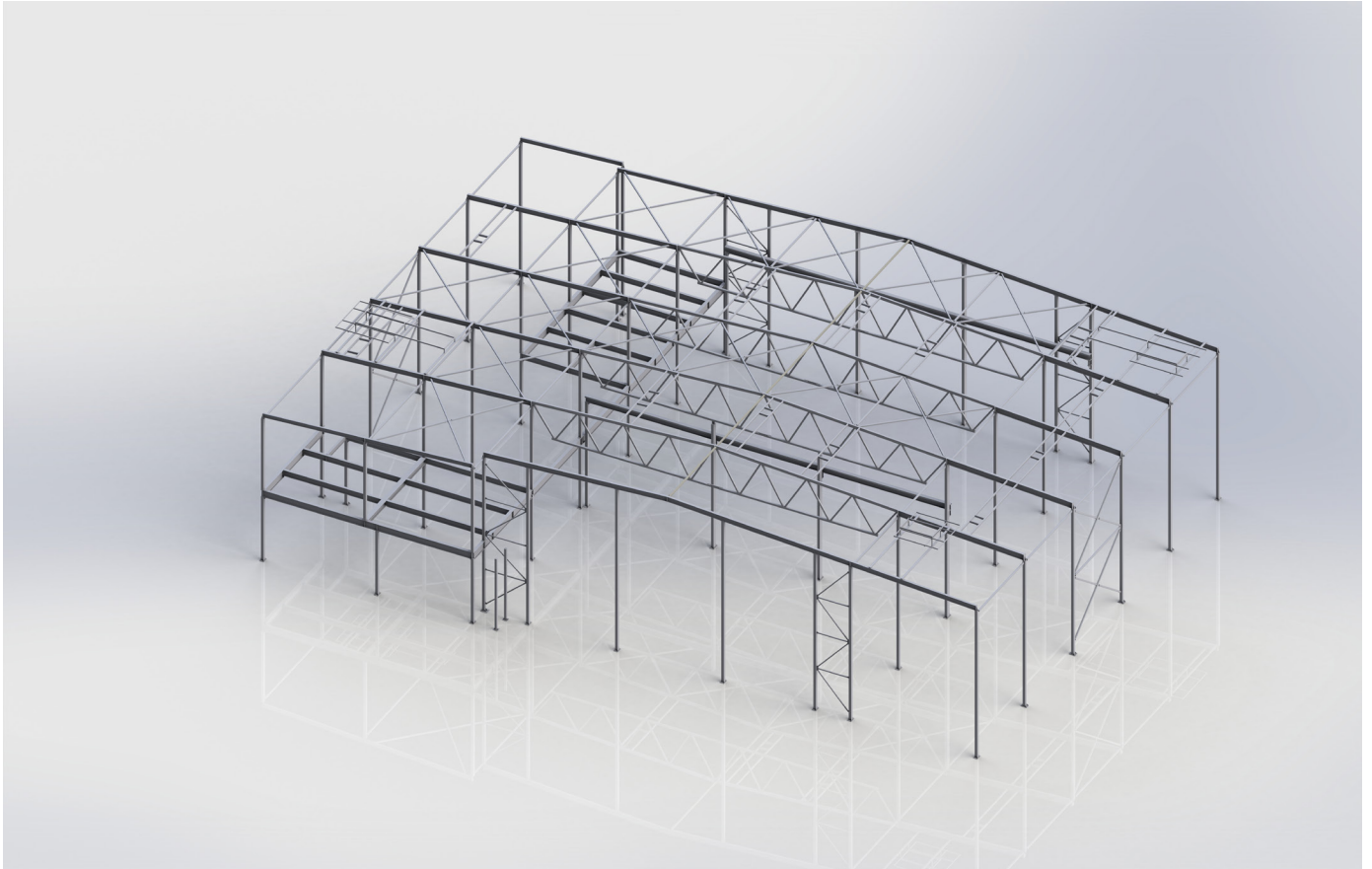
Building frame



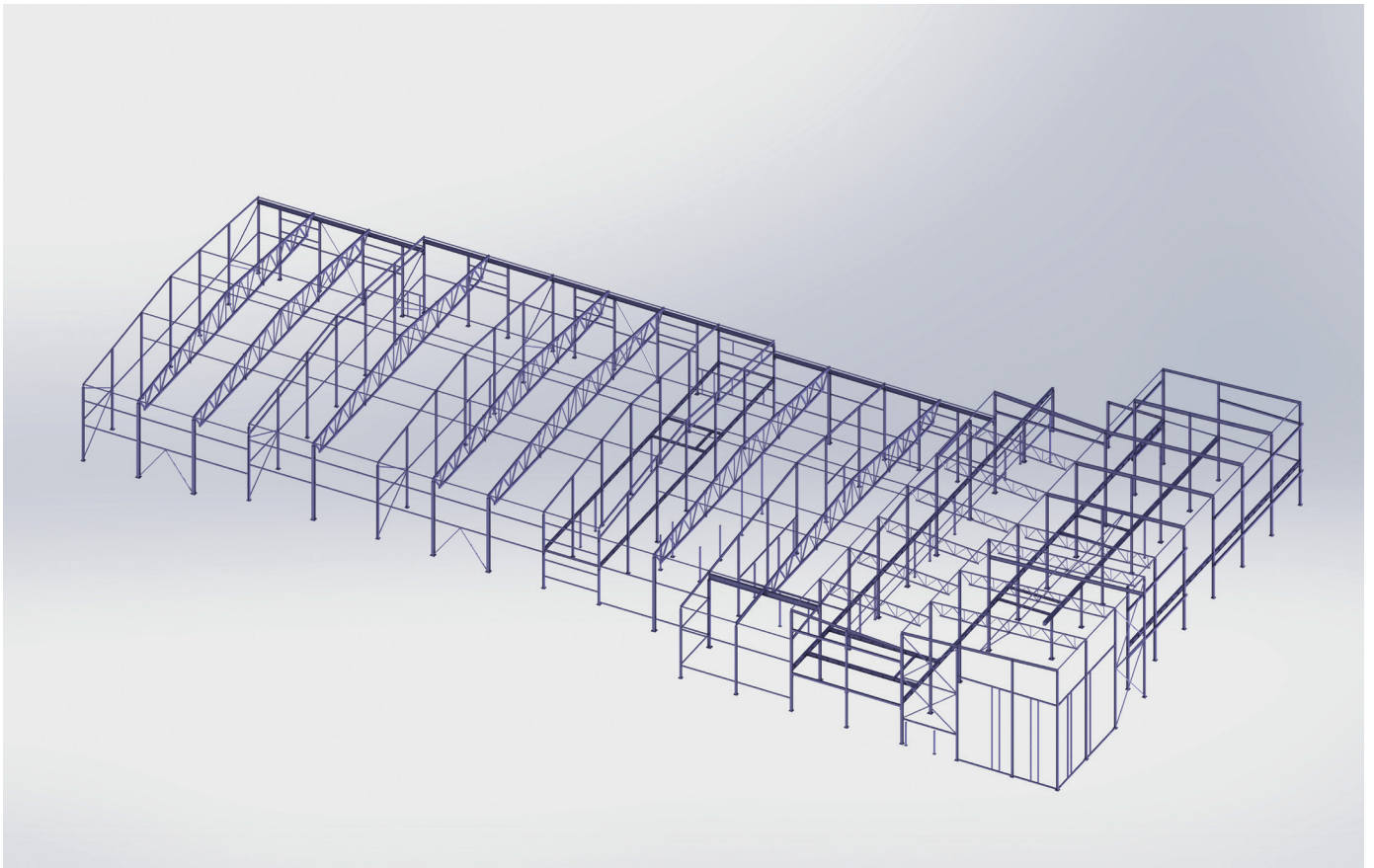
Frame of estrade



Scania office



Supermarket and warehouse



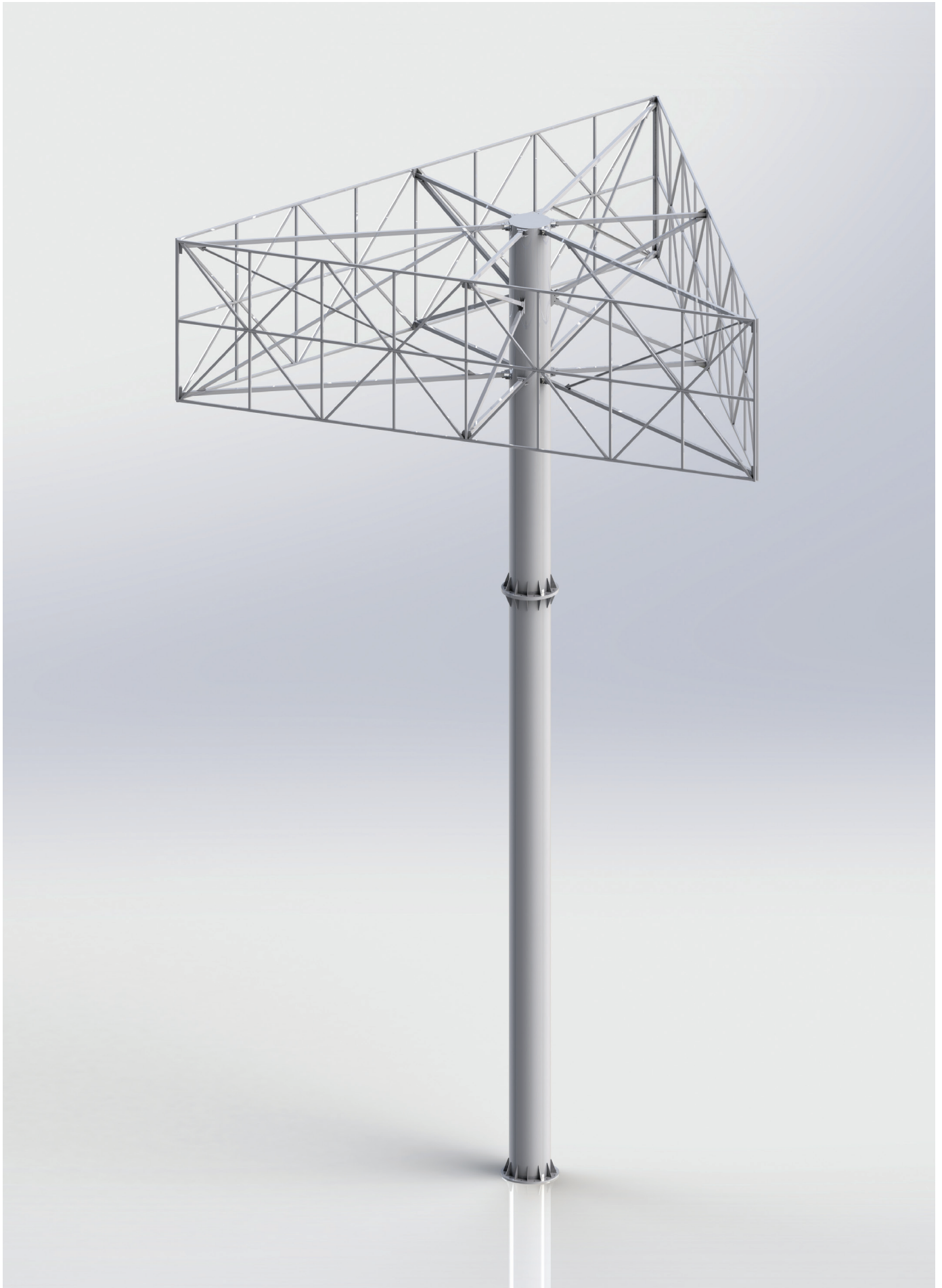
Pedestrian bridge



Support frame for solar panels



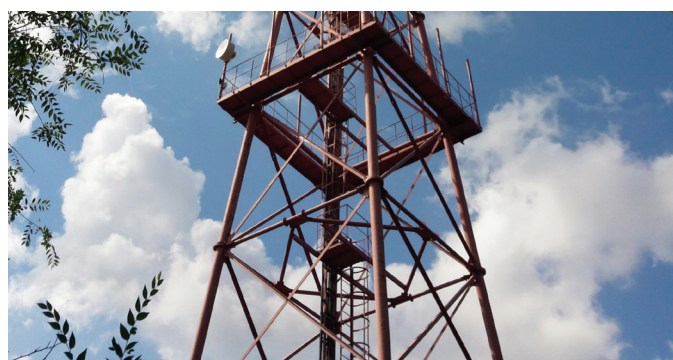
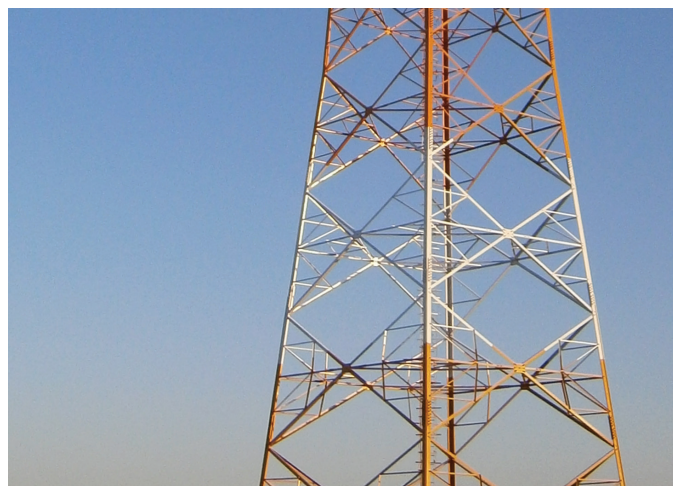
Advertisement billboard





Towers and masts

Manufacturing of antenna mast structures is one of the main specialization profiles of the company BM Industrial. Qualitative performance of manufacturing processes is achieved by using modern equipment and qualified, certified professionals.



Our capabilities

Design, 3D-modeling and various types of calculations for metal structures of any degree of complexity.

Preparation of technical documentation for the European market (EN 1090) and market of the CIS states (GOST).

Development of production processes. Component manufacturing or manufacturing of finished metal structures (including manufacturing on the basis of drawings provided by the Client).

Quality

The design and production process is maintained in strict compliance with the requirements of EN 1090.

Rust protection

Three coverage schemes are used to protect metal structures against rust. These are painting, hot galvanizing and hot galvanizing together with painting.

Logistics of products

Structures are packed and stowed into a cargo body according to the planned loading scheme ensuring the safety of cargo by transportation.

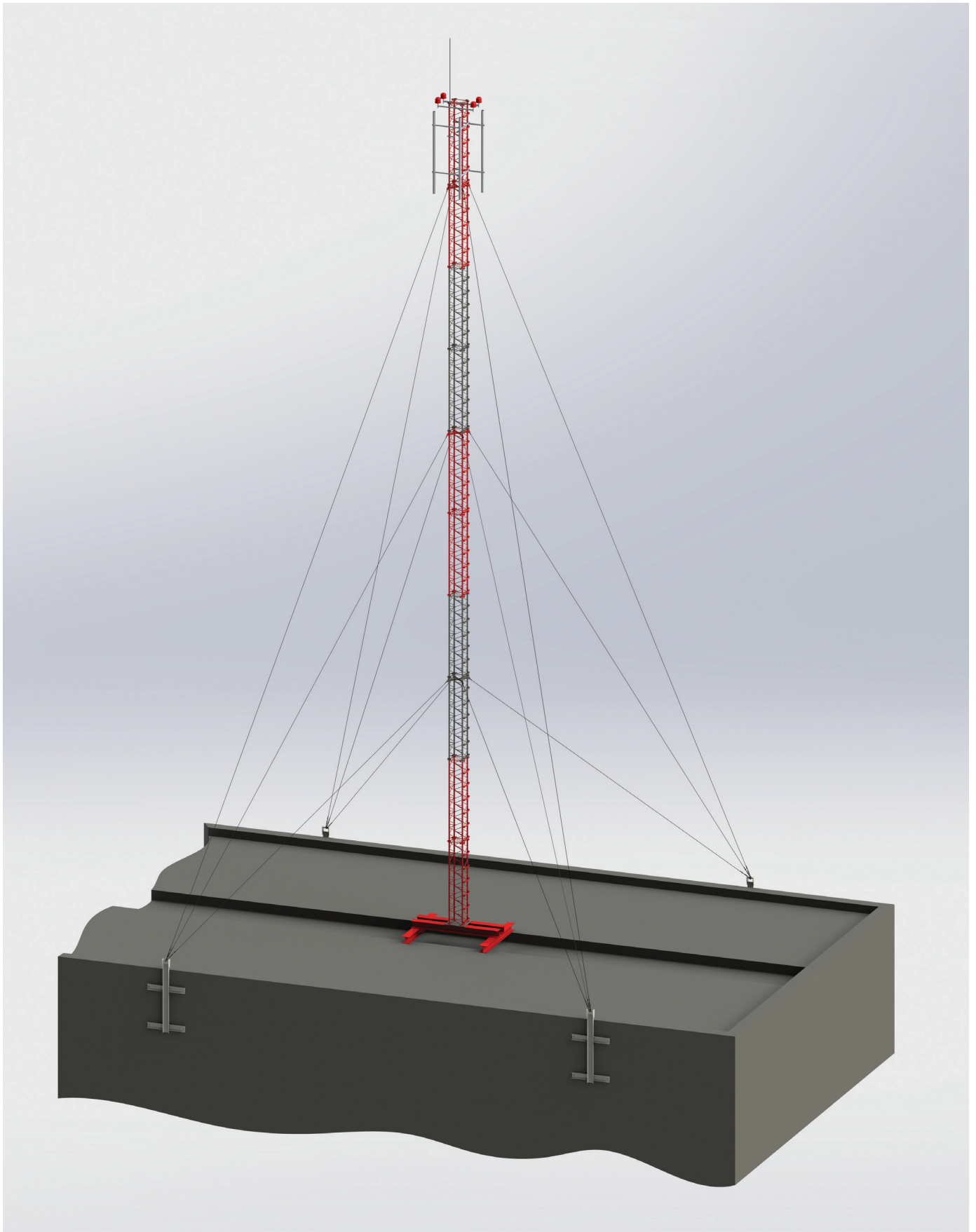
An additional equipment such as aircraft warning system and electrical box can be mounted on a structure.

Roof mast (MFR)

Height: up to 30 m

Shape and dimensions of a structure

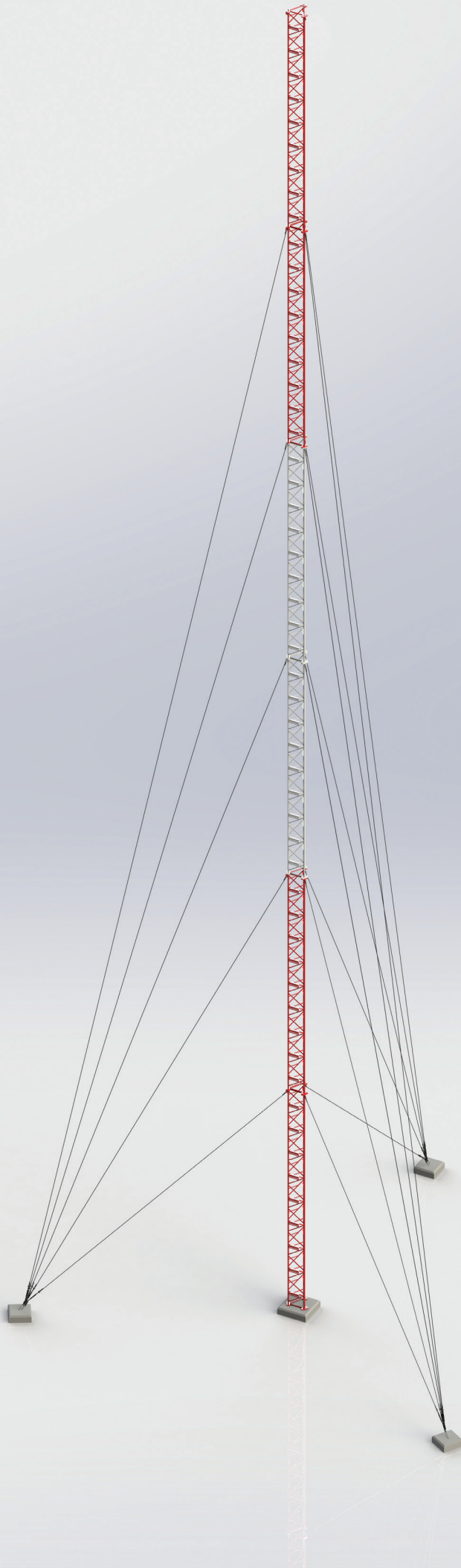
basement: square, up to 20 m x 20 m



Triangular mast (MFL)

Height: up to 30 m

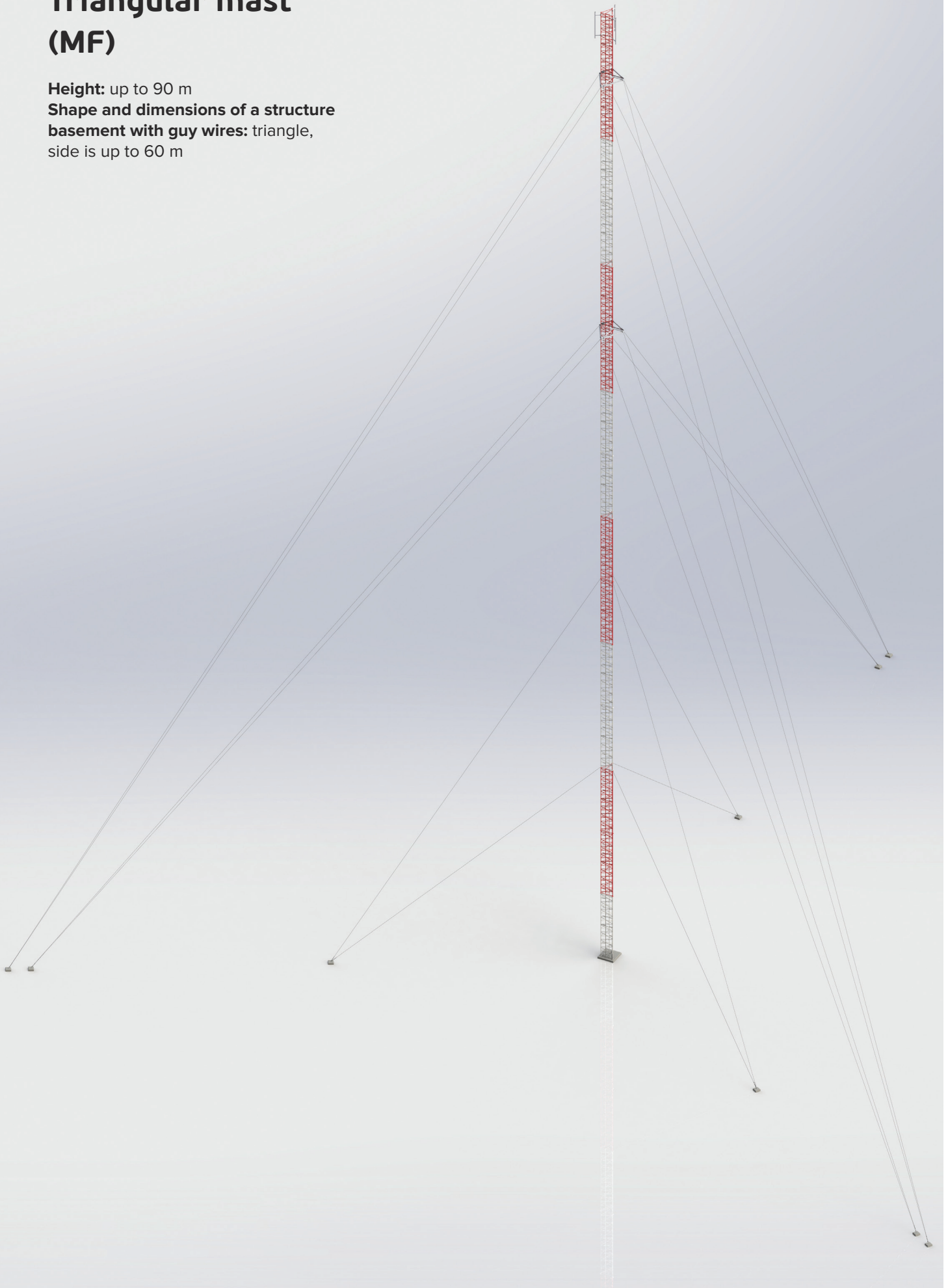
**Shape and dimensions of a structure
basement with guy wires:** triangle,
side is up to 20 m



Triangular mast (MF)

Height: up to 90 m

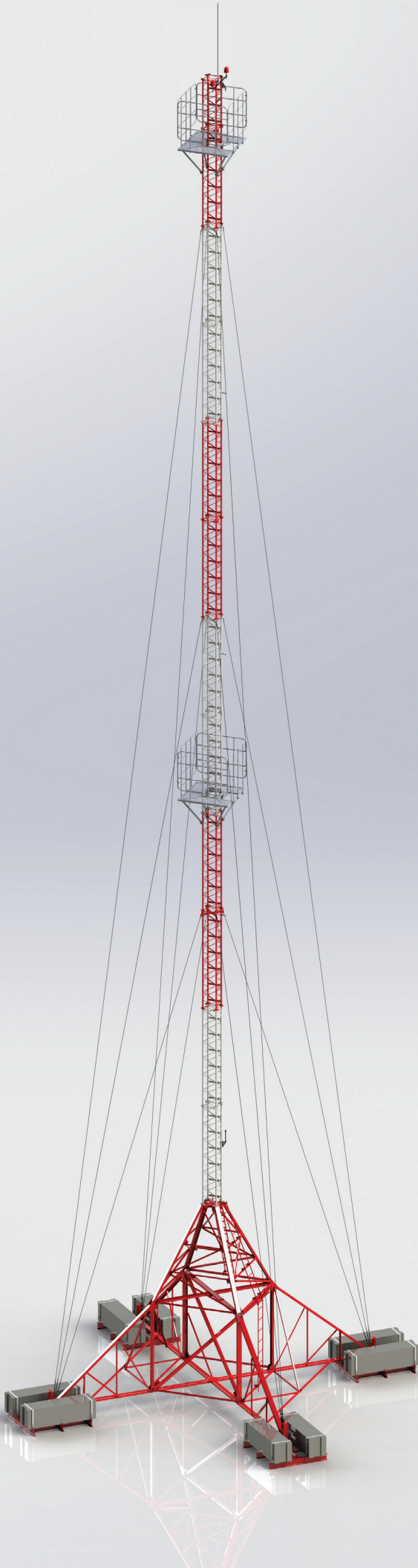
**Shape and dimensions of a structure
basement with guy wires:** triangle,
side is up to 60 m



Self-supporting mast (MWF)

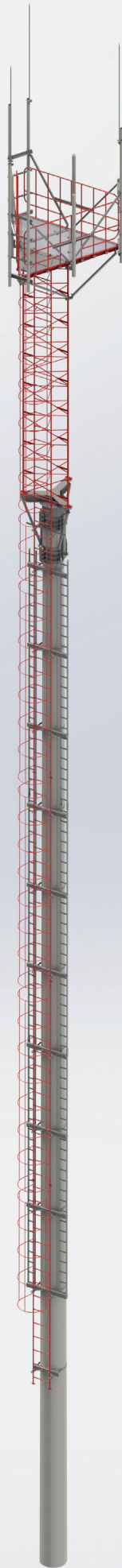
Height: up to 50 m

**Shape and dimensions of a structure
basement with guy wires:** square,
up to 8 m x 8 m



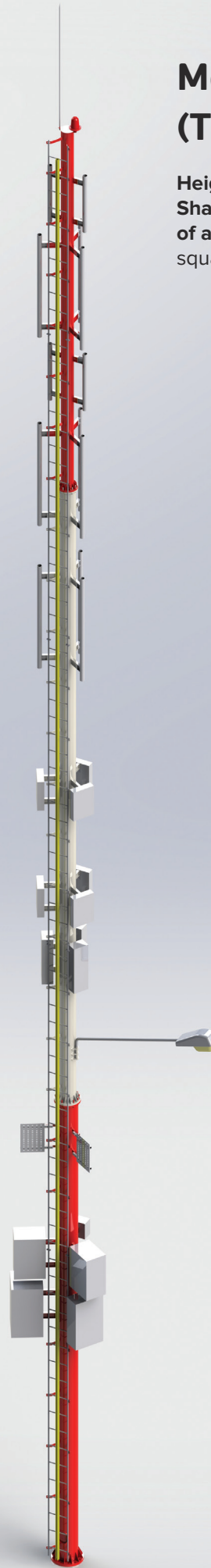
Reinforced concrete structure with a metal basket (CV)

Height: up to 42 m
Shape and dimensions of a structure basement: square, 1 m x 1 m



Metal pole (TV)

Height: up to 42 m
Shape and dimensions of a structure basement: square, 1 m x 1 m

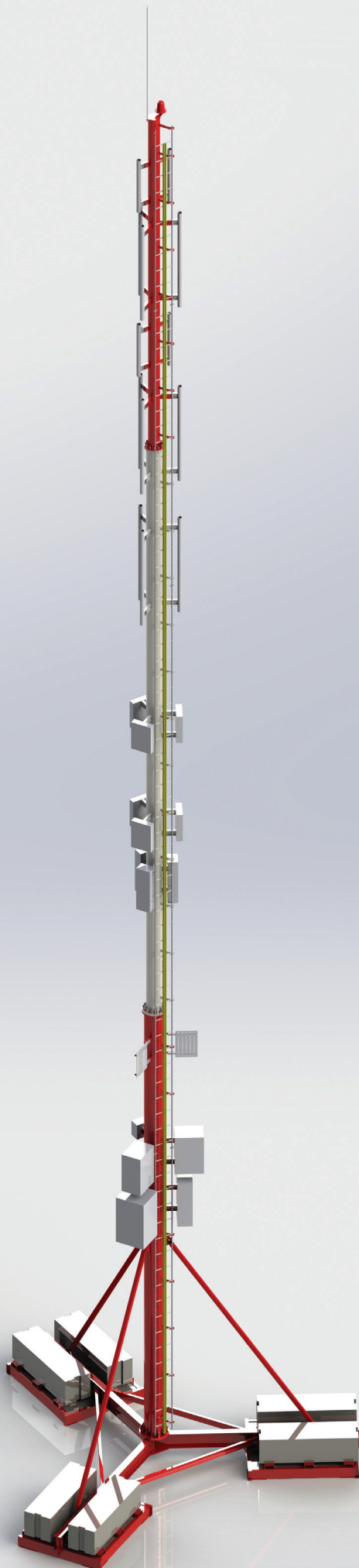


Self-supporting metal pole (MTV)

Height: up to 42 m

Shape and dimensions of a structure

basement: triangle, side is up to 8 m

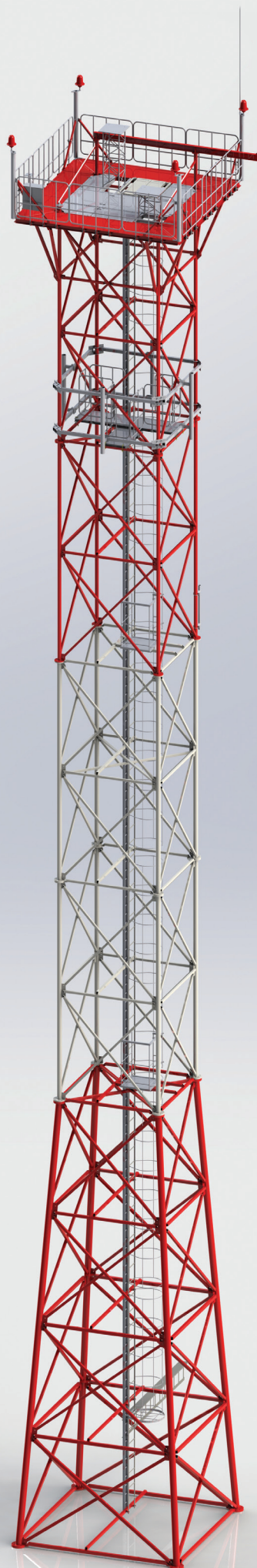


Quadrangular tower (RV)

Height: 30 m

Shape and dimensions of a structure

basement: square, 4 m x 4 m





Tower for the radar and airdrome equipment (Radar30)

Height: 30 m

**Shape and dimensions of a structure
basement:** square, 5,5 m x 5,5 m

Tower (BKW)

Height: up to 50 m (with 5 m long sections)

Shape and dimensions of a structure
basement: triangle, side is up to 5,5 m

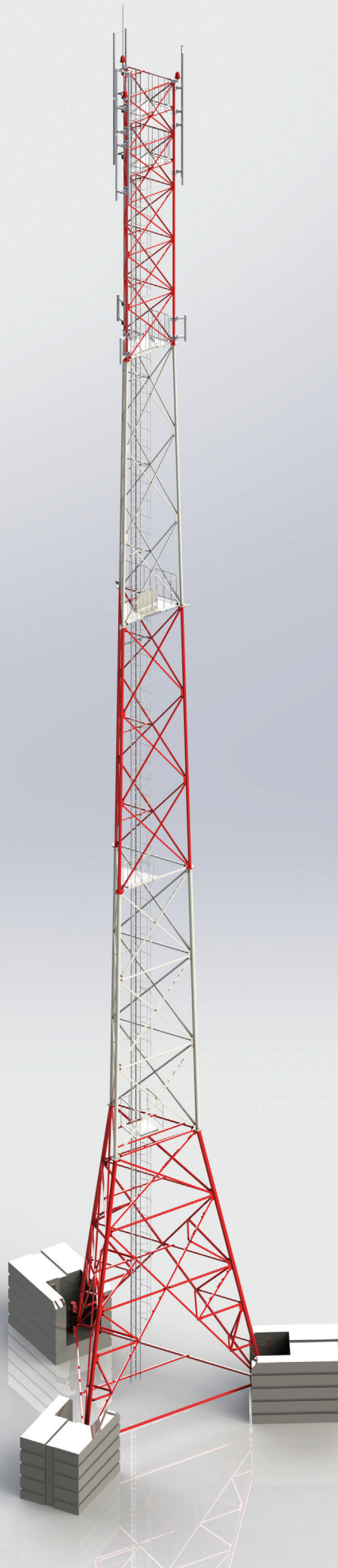


Self-supporting tower (MTU)

Height: up to 50 m

Shape and dimensions of a structure

basement: triangle, side is up to 8 m



Strengthened tower (BK-T8)

Height: up to 72 m

Shape and dimensions of a structure

basement: triangle, side is up to 8 m



Tower (BK)

Height: up to 100 m

**Shape and dimensions of a structure
basement:** triangle, side is up to 9,5 m





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