

EXPERIENCE IN DESIGN AND CONSTRUCTION OF PEDESTRIAN CROSSINGS WITH SUPERSTRUCTURES MADE OF ALUMINIUM ALLOYS IN RUSSIA



2017 Nizhni Novgorod Region



2017 Moscow

2018 Krasnoyarsk



2020 Tula

In total 8 footbridges have been built since 2017.

Two bridges in the Nizhny Novgorod region

Customer: the government of the Nizhny Novgorod region Design documentation: developed based on Special Technical Regulations (STU) approved by the Ministry of Construction of the Russian Federation

Manufacturers: OOO GS-Reserve, AO OK RUSAL TD, AO AMR, AO Arconic SMZ, ZAO Cheboksary Company Sespel

➤ Three bridges in Krasnoyarsk

Customer: Municipal Public Institution Capital Construction Office of Krasnoyarsk

Design documentation: developed based on Special Technical Regulations (STU) approved by the Ministry of Construction of the Russian Federation

Manufacturers: OOO KraMZ and JAO OK RUSAL TD, AO Giprostroymost (Ulyanovsk)

Two bridges in Moscow (in the suburban park Yauza)

One bridge in Tula

Customer: the government of the Tula region. Design documentation was developed based on

SP 443.1325800.2019 'Bridges with aluminium alloy elements. Design Rules."

Designer: Morissot Design Institute

Manufacturers: OOO KraMZ, JAO OK RUSAL TD

000 GS-Reserv

EXAMPLES OF THE FACILITIES BUILT IN 2020



Construction of an aboveground pedestrian crossing over the highway of Eastern Bypass Avenue in Tula



Span length: 41.22 m

Span weight: 30.0 tonnes

(KraMZ — extrusion of AD 35T1, AMR — rolled product

of 1915T1)

Customer: Government of the Tula Region

GU TO Tulauprador

Designer: Morissot Design Institute

Contractor for aluminium structures: GS-Reserv

Construction: May-October 2020

Construction of a pedestrian bridge across Volochaevskaya Street, Krasnoyarsk



The full length of all the spans is 63 m (19.5 \times 43.5 m) The weight of all the bridge spans is 41.1 metres (KRMZ – AD 351T1 extrusions)

Customer: Capital Construction Office, Krasnoyarsk

Designer: CJSC Giprotransmost

Contractor: JSC Giprostroymost

Construction period:

Q3 2019 - September 2020

CONSTRUCTION OF A PEDESTRIAN BRIDGE IN BOR TOWN IN THE NIZHNY NOVGOROD REGION





Total length of the bridge spans is 121 m
The weight of the spans is 62 tonnes
(KRAMZ – AD 35T1 extrusions, Arconic – 1565
CHM rolled slabs)

Customer: Municipal Public Institution

Borstroyzakazchik

Designer: Volgaavtodorproekt Design Institute

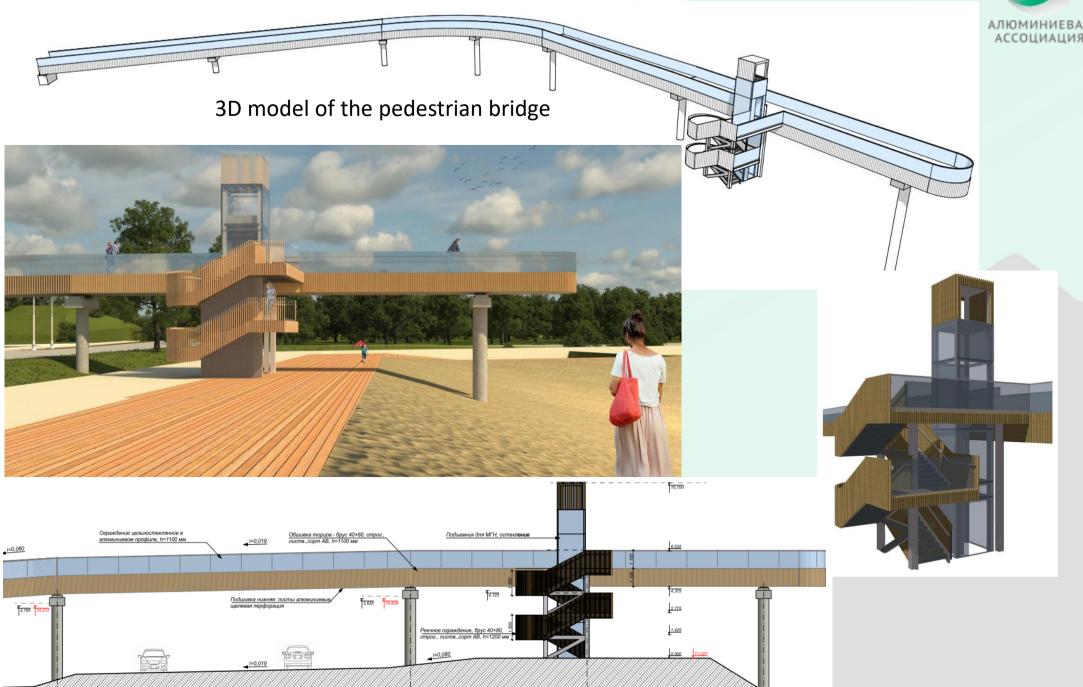
Construction period: November 2020 – September

2021



CONSTRUCTION OF A PEDESTRIAN BRIDGE IN BOR TOWN IN THE NIZHNY NOVGOROD REGION





АЛЮМИНИЕВАЯ АССОЦИАЦИЯ

Construction of a pedestrian crossing over Kalinin Street in the area of residential building No 177 in Krasnoyarsk



Total length of the spans is 45.1 m (19.4x25.7)

The weight of the bridge spans is 23.5 tonnes (10.11 + 13.32)

Customer: Municipal Public Institution of Krasnoyarsk,

Capital Construction Office

Designer: CJSC Giprotransmost Institute, Ulyanovsk

Construction period: May 2021 – July 2022

Construction of a pedestrian crossing over Karl Marx Street in the area of the Krasnoyarsk Regional Philharmonic in



The full length of all the spans: $53.0 \text{ m}(5 \times 33 \times 15)$ Width:

6.0 m

The weight of the spans: 45.0 tonnes

(KRAMZ – AD 35T1 extrusions)

Customer: Municipal Public Institution of Krasnoyarsk,

Capital Construction Office

Designer: Horizon LLC

Contractor: JSC Giprostroymost

First stage construction period: December 2020 -

October 2021.

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ARCHITECTURAL FENCING OF THE PEDESTRIAN BRIDGE OF THE MOSCOW ZOO





Design period: August – October 2020

Construction period: Q3 2020 - May 2021

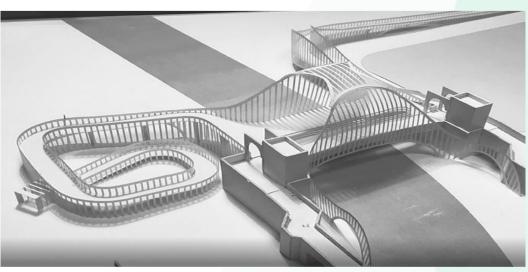
Customer: Public Production Facility Civil Construction Office

of Moscow

Designer and General Contractor: GP-MFS LLC

Metal consumption: 52 tonnes (architectural fencing)

(KRAMZ – AD 35 T1 extrusions)





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Architectural fencing of the pedestrian bridge of the Moscow Zoo



Design period: August – October 2020

Construction period: Q3 2020 - May 2021

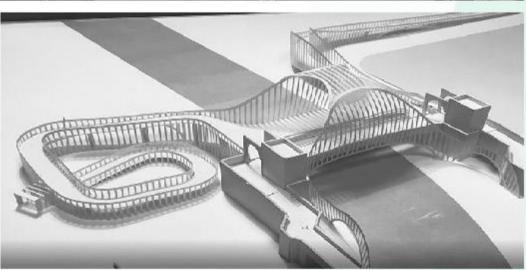
Customer: Public Production Facility Civil Construction Office of

Moscow

Designer and General Contractor: GP-MFS LLC

Metal consumption: 52 tonnes (architectural fencing)

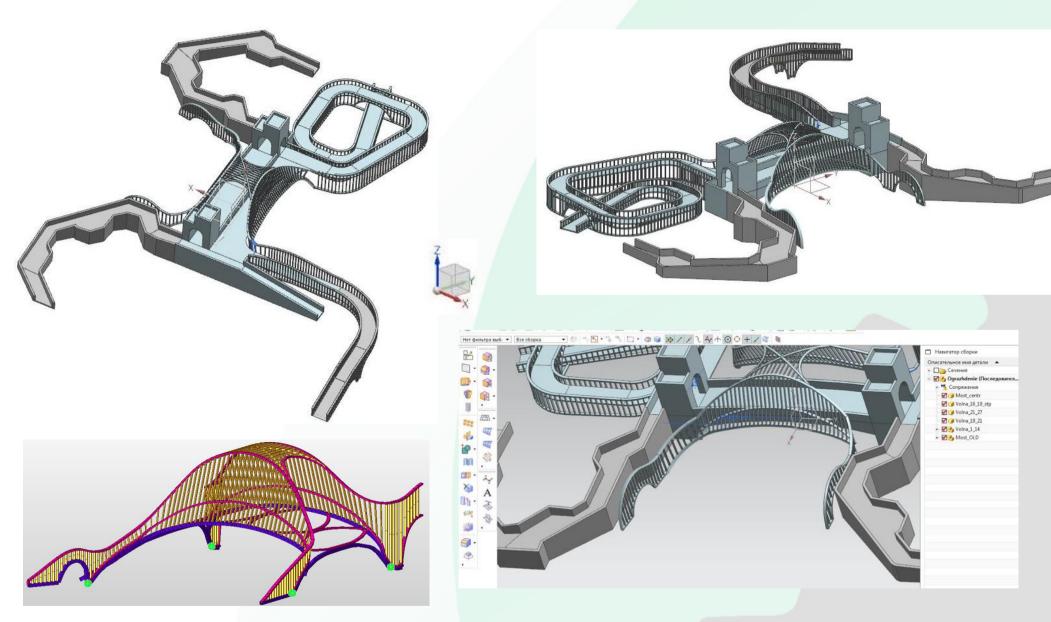
(KRAMZ – AD 35 T1 extrusions)







3D modeling of the construction



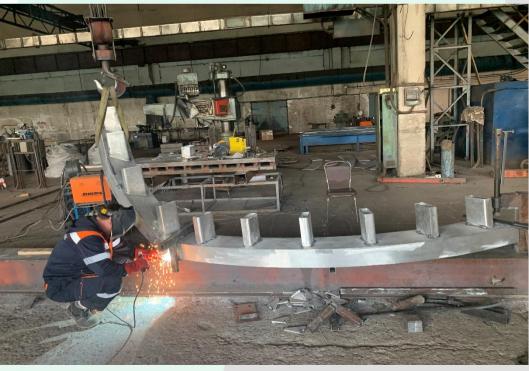


Construction manufacturing









ARCHITECTURAL FENCING OF THE PEDESTRIAN BRIDGE OF THE

MOSCOW ZOO

Construction











CONTACTS OF THE ALUMINIUM ASSOCIATION



The Aluminium Association is open to discussion on various forms of cooperation and projects aimed at increasing the usage of aluminium

We invite you to cooperate with us!

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