**THE PROGRAMME OF THE OPEN COMPETITION WITH INTERNATIONAL PARTICIPATION FOR THE BEST ARCHITECTURAL CONCEPT OF RENOVATION AND ACTUAL USE ADAPTATION OF THE OLD RAILWAY BRIDGE OVER THE PREGOL RIVER AS A PART OF THE MUSEUM OF THE WORLD OCEAN IN KALININGRAD, RUSSIAN FEDERATION**

**1. Background**

**Kaliningrad (former Koenigsberg)** is one of the largest cities in Russia, located on the Baltic Sea at the mouth of the Pregol River. It is a centre of the Kaliningrad Region located between Poland and Lithuania.

Kaliningrad is a capital of the amber land, a city of seamen, fishermen and oceanologists. The academic fleet of Russia and the largest training sailing ships – the barks *Sedov* and *Krusenstern* – are located in Kaliningrad. Lately, tourism is rapidly developing in Kaliningrad.

The pre-war history of the city is connected with the names of outstanding philosopher Immanuel Kant and mathematician Euler, the founder of graph theory and the author of the globally famous problem of the Seven Bridges of Königsberg.

In the late 19th – early 20th century, two railway bridges over the Pregol River were built. In the 1970s, an elevated bridge was built. It substituted some smaller bridges in the city. The territory of the Museum of the World Ocean is situated between two operating bridges and one nonfunctional bridge. And it is the one that we would like to restore.

**The Museum of the World Ocean** (**MWO**) is the only maritime museum complex in Russia. It was founded in 1990. The museum is located on the embankment of the Pregol River.

The onshore Museum complex comprises the following objects: the main M  
seum building where is the permanent exhibitions *Depth* and *The Ocean World. A Glimpse* with aquariums, collections of shells of marine mollusks and corals as well as geological and paleontological specimens; the exhibition buildings Maritimee Konigsberg-Kaliningrad and Pakgaus; Water Cube pavilion of the Naval Centre. The Museum also owns the revived architectural monuments of the 19th century, located within the historic centre of the city: the Koenig Gate and the Friedrichsburg Gate.

The Museum created the unprecedented Historic Fleet Embankment at the berth of which they moored the following boats: *Vityaz*, the largest museum scientific research vessel in the world; *Kosmonavt Viktor Patsayev,* the only vessel for space communication in the world; *SRT-129*, the museum fishing trawler and *B-413*, the museum sub. The exhibitions on board the museum vessels feature the history of research and development of the World Ocean.

**The Old Railway Bridge** is located at the Historic Fleet Embankment. The Bridge has not been used for a long time and it is partially disassembled.

The first steel and first turning Bridge in the city was built in 1860–1865 for train traffic. The rotating southern part was 15m long and equipped with walkways on both sides. The Bridge was operational until 1929. After the new, more actual Bridge was constructed, it became redundant but was retained for an “emergency”.

After the Second WorldWar, the Old Bridge was restored using the principle of a lifting middle span using a crank arm mechanism. The Bridge became adjustable.

In the summer of 1996, on celebration of the 300th anniversary of the Russian Navy, the middle span of the Bridge was removed in order to enable ships to approach the centre of the city. The shot fragment still lies on the northern span of the Bridge.

The Bridge, as a monument of science and technology, has got great historical and cultural significance. Currently, the MWO is actively seeking for solutions to make the Bridge an integral part of its exhibtion.

**2. Urban context**

The Museum of the World Ocean is the first and only complex maritime museum in Russia which is actively developing into the external environment as a powerful driver of the urban development of Kaliningrad.

The Old Railway Bridge is an extra resource for the MWO development and the revalorization of the urban environment on both banks of the Pregol River.

Currently, the Bridge is partially dismantled; it has got no practical significance but at the same time it is a valuable historical object and engineering monument of the time. It already exists as a MWO outdoor exhibit. However, for its revival in the new quality it is necessary to rethink its functional purpose and find adequate forms of renovation and re-use.

The task becomes particularly relevant in connection with MWO plans to reconstruct the walking route of the great philosopher Immanuel Kant into the Philosopher’s Path which will connect the MWO complex with the most important cultural and recreational facilities on the other side of the Pregol River and on Kant Island: the Cathedral, the Kaliningrad Museum of Fine Arts, Maritime Assembly Underwater Heritage Centre (former Amber Manufactory) and the Friedrichsburg Gate. By implementing the Museum project in 2024, a significant area in the centre of Kaliningrad has got the prospect of transformation into the Museum Quarter, similar to those that are the property of European cultural capitals and attract crowds of tourists.

**Restoration of the Old Railway Bridge located at a key point of the Historic Fleet Embankment and connecting it with objects on the opposite bank of the Pregol River becomes a strategically important task for the formation of the Philosopher’s Path and the development of the historical centre of Kaliningrad.**

**3. The purpose and objectives of the Competition for the architectural Concept of renovation and actual use adaptation of the Old Railway Bridge.**

**The purpose** **of the competition** is to determine the concept of reviving the Old Railway Bridge over the Pregol River into a fundamentally new Museum Bridge being at the same time a historical artifact with the function of a museum exhibit, pedestrian communication and an object of recreation. It should work for development of MWO and the historical centre of Kaliningrad.

**Tasks of the Competition:**

Identifying a pool of potential participants to engage in the further work on design of the Museum Bridge based on the renovation of the Old Railway Bridge.

Creating a bank of ideas on possible scenarios for adaptation of the Old Railway Bridge.

Unlocking the potential of the Old Railway Bridge as an extra resource for development of the Museum of the World Ocean.

Unlocking the strategic importance of the Old Railway Bridge for development of the historical centre of Kaliningrad.

**4. Competitive Task:**

Participants of the Competition are invited to develop a fore-sketch of the architectural concept of revival of the Old Railway Bridge in a new capacity which will allow:

To preserve its identity and value of the “museum piece” - a unique engineering monument of 19th century.

To provide communication on both banks of the Pregol River through which MWO pedestrian communication will be carried out and follow the Philosopher’s Path route.

To provide the possibility of passing ships, requiring a huge bridge span or an engineering solution that provides the drawability of the bridge structure.

To present the scenario of re-use of the Old Railway Bridge, e.g. as the “Museum of Bridges” which will be a part of the MWO complex and possess independent exhibition and other spaces necessary for its full functioning. Other re-use scenarios are possible as well.

**5. Strategic principles**

The New Museum Bridge being created should become the “Revived Bridge”, a multifunctional object combining the functions of pedestrian communication, recreation and a museum exhibit. The Bridge should be open to all comers and become a significant means of promoting the engineering and cultural heritage associated with the phenomenon of the bridge, as well as an incentive for development of socio-cultural functions, including museum ones, on the opposite side of the Pregol River.

Being a historic monument, the Museum Bridge will respond to the problems of the social and cultural context – therefore it will become an actual cultural object supporting improvement of the situation in the present and future. An innovative and dynamic society explores the past and questions the present to create a future.

The New Museum Bridge should become a strategically important object for development of the Museum Quarter in the centre of Kaliningrad uniting the most significant museum, cultural and recreational spaces in the city into a single system.

**Strategic role of the new Museum Bridge, namely:**

- Pedestrian communication and an important part of the Philosopher’s Path tourist route.

-Historic monument and a MWO outdoor exhibit.

- Museum space dedicated to the phenomenon of the Bridge.

- Recreational space with conditions for recreation and leisure activities.

- Strategic object important for development of MWO, spread of its influence on the other bank of the Pregol River; in the future - for formation of the Museum Quarter in the centre of Kaliningrad.

*Thus, the renewed Museum Bridge should become a new landmark of the city symbolizing the connection of times, the connection of contemporary Russia and historical Prussia, the connection of Russian and European culture.*

**6. Location, environment and spatial resources for renovation and development of the Old Railway Bridge**

The main approach to the Old Railway Bridge is organized from the Historic Fleet Embankment which is an open-air museum space available for free access combining unique exhibits, such as: historic vessels, a seaplane, a lightship, etc.

The Bridge connects the MWO complex with the opposite bank - the Embankment of the Big Cranes where historic 1-2-storey port warehouses are located today. The territory is citywide, not landscaped. It is planned that in 2024 a fragment of the Philosopher’s Path leading towards Kant Island will be laid and arranged here.

The Philosopher’s Path MWO project implies the reconstruction of the favorite walking route of great philosopher Immanuel Kant who was born in Koenigsberg and had never left it.

Spatial resources for the renovation of the Old Railway Bridge can be the remains of its constructive wreck and the adjacent water area (excluding navigation) as well as the territories of both banks adjacent to the base of the Bridge including the construction of a bunker of the WW II time on the Historic Fleet Embankment and historic port facilities on the Embankment of the Big Cranes.

It is important not to block pedestrian flows following the routes of the museum Historic Fleet Embankment and the Philosopher’s Path with a new construction.

**7. Source Competition Materials**

Source Competition Materials include the following:

7.1. The main materials:

- Conditions of the Competition

- Competition Program with Appendices 1 and 2

7.2. Additional materials:

- 1:50000 scale map of Kaliningrad

-Master plan of the MWO complex with the Historic Fleet Embankment including all objects and the coverage of the opposite bank

- Scheme of The Heart of Kaliningrad historical centre

- Photos of the Bridge and the Embankment as a part of the MWO complex from different points

- Aerophotography of the area intended for renovation and development of the Old Railway Bridge and adjacent territories

- Plans of the future development of the embankment area and the territory of the historic centre of Kaliningrad taking into account the Philosopher’s Path of Immanuel Kant

- Materials on the history of the Bridge within the context of the 19th-century Koenigsberg

7.3. Working materials:

- 1: 500 scale Work Plan 1 (geo-base covering both banks)

- Photos of the bridge and its surroundings from different points

7.4. The Program and Conditions of the Competition will be provided in PDF on **www.world-ocean.ru**

Registered members will receive working materials by email specified during registration.

**8. Requirements for materials submitted for the competition**

8.1. Each participant can send one project only. Projects that represent one common concept with alternative solutions to parts of the project are not accepted.

8.2. The general concept of the project shall not exceed 1 (one) A4 page (12 font size) in Russian and English. Format: Microsoft Word.

**8.3. Composition of materials submitted for the competition:**

Conceptual landscape design including the master plan of the design area, 1: 200 scale plan(s), 1: 200 scale key section, 3D visualization of design solutions in the number necessary for the full perception of the proposed conceptual ideas.

**8.4. Presentation of works and submission of projects by participants:**

8.4.1. Competition materials are submitted by participants of the Competition under the code (hereinafter - the code of a Participant of the Competition). The code is an arbitrary combination of six Arabic numerals (1234567890). Participants of the Competition assign ciphers themselves. Competition materials are submitted as digital materials:

● Layout of an A3 format album with horizontal orientation as a PDF file with the most complete information about the project. Number of pages: no more than 5 PDF pages. Sheet size: A3. Resolution: 72-dpi. File size: no more than 100 MB. The name of a PDF file should be as **album XХХXXX** where **XXXXXX** is the code of a participant.

● Presentation as a PDF file with main images and information messages. Number of slides: no more than 10 slides. Resolution: 300 dpi. File size: no more than 100 MB.

● Layout of the worksheet as a PDF file. Size: 1000x1400 mm; vertical orientation. The layout should contain graphic materials and a necessary text part for the exhibition use (in Russian and English). The name of a PDF file should be as **boards\_XXXXXX** where **XXXXXX** is the code of a participant. File size: no more than 200 MB.

● All main selected images should be in a good quality (JPEG files, at least 15x20cm size of 300-dpi resolution). The name of JPEG files should be as **image\_1\_XXXXXX,** where **XXXXXX** is the code of a participant, **1** is the image sequence number. Total number of images: no more than 5 images.

8.4.2. Digital materials (album, presentation, worksheet, separate images) are sent via email [bridge@world-ocean.ru](mailto:bridge@world-ocean.ru) no later than 23:59 h. 01.06.2019. The set of digital materials should be archived (ZIP, RAR) and named as **XХХXXX** (by the code of a Participant).

9. Address and contact information of the Organizer

The Museum of the World Ocean

1, Petra Velikogo Embankment, Kaliningrad

Tel: + 7 (4012) 53 17 44, + 7 (4012) 34 02 44

[www.world-ocean.ru](http://www.world-ocean.ru)

email: [bridge@world-ocean.ru](mailto:bridge@world-ocean.ru)

**10. Appendixes**

**10.1. Appendix 1. Application Form**

APPLICATION (to be completed on the official blank of the organization [for the Architectural Companies)]

FOR THE ARCHITECTURAL COMPETITION for an architectural concept of renovation and actual use adaptation of the Old Railway Bridge Over the Pregol River as Part of the Museum of the World Ocean in Kaliningrad, Russian Federation

     Company data (completed by Architectural Companies only)

     Company name

     Postal address and telephone number of the company

     Data of the team of authors or the author, if they participate in the competition as an individual:

     Full name

     Email

     Mobile phone

Head of the team of authors

Signature

**10.2. Appendix 2.** To be completed Participants awarded with prize money. The Form [to be completed on the official blank of the organization (for the Architectural Companies)] of

COPYRIGHT ASSIGNMENT AGREEMENT

We hereby submit the project work for the open architectural competition with international participation for the concept of renovation and actual use adaptation of the Old Railway Bridge over the Pregol River as a part of the Museum of the World Ocean, Kaliningrad, Russian Federation.

Team of authors:

Team leader:

Authors:

    By this agreement, we guarantee absence of elements or graphic materials in the documents, the rights to which belong to third parties and possible claims from third parties and we hereby offer our consent to transfer the exclusive copyright of the project to the Customer of the Competition.

Team leader

Signature