



attention to detail





## RGCC TODAY

A market leader in industrial glass processing and glazing for construction and transport industries

- ▶ **3 000 000** m<sup>2</sup> of IGUs per year
- ▶ **1 500 000** m<sup>2</sup> of safety glass per year
- ▶ **30** years of successful work in the market
- ▶ **13** plants

## GLAZING AREAS

THE COMPANY INTEGRATES  
**13 PLANTS IN ST. PETERSBURG,  
MOSCOW, KOLOMNA, KLIMOVSK, TULA,  
YAROSLAVL, NIZHNY NOVGOROD,  
KAZAN AND KRASNODAR**

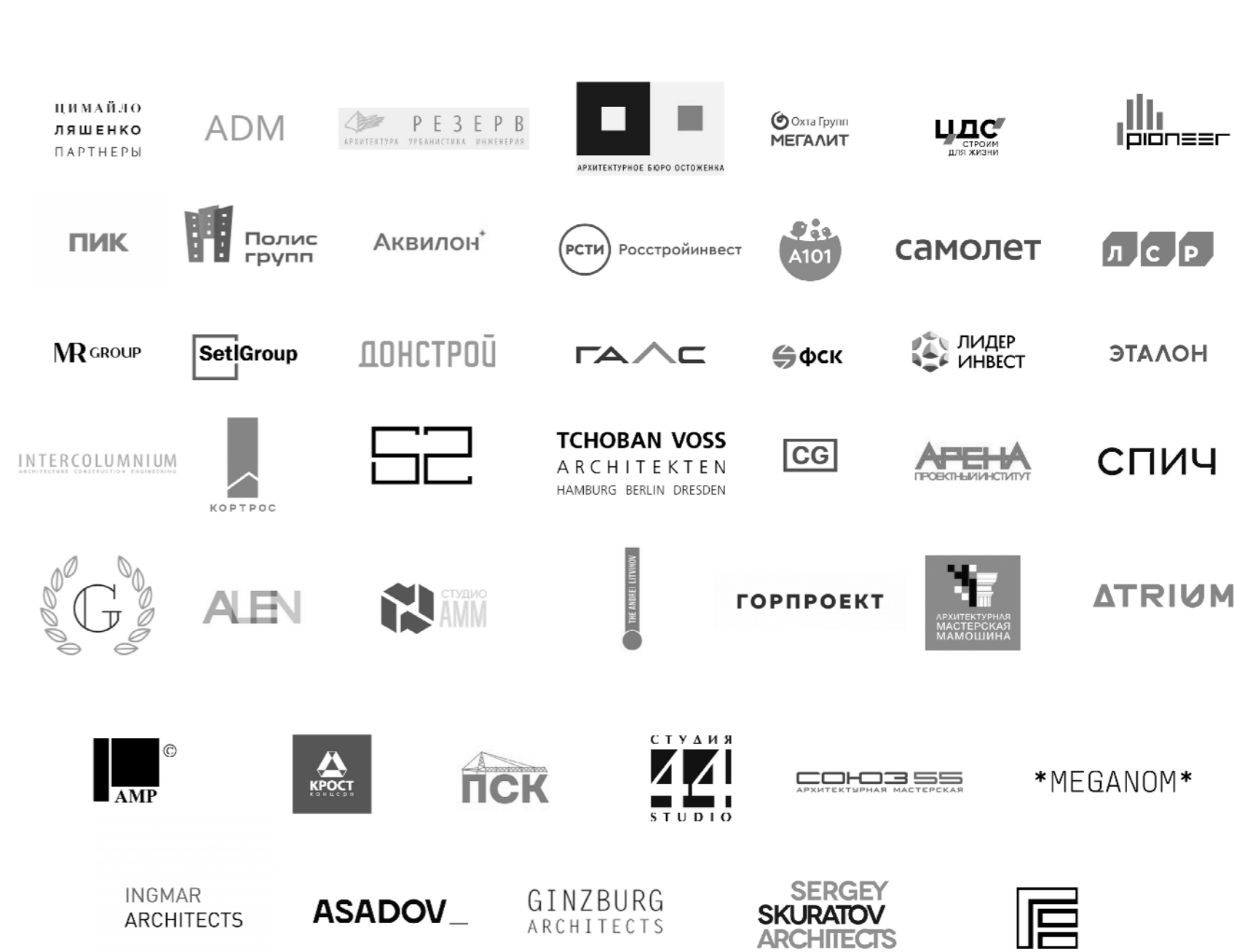




# PARTNERS



# ARCHITECTS AND DEVELOPERS





# QUALITY CONTROL

To maintain a high level of production quality, RGC uses a comprehensive control system that covers all stages of the technological process.

## Quality Management System Certificates of Conformity



# ARCHITECTURAL GLAZING



ADVANCED TECHNOLOGIES, MANY YEARS OF EXPERIENCE ENSURE A HIGH QUALITY OF GLAZING AND IMPLEMENTATION OF THE UNIQUE IDEAS OF THE ARCHITECTS

## PRODUCT RANGE:

- Tempered and heat strengthened glass
- Laminated glass
- Structural and spider glazing
- IGU with tempered (heat-strengthened), laminated, fire resistant glass
- IGU with special energy saving, solar control, multifunctional glass (including laminated glass as it's part)
- Bent IGU
- IGU with enameled glass
- IGU with silkscreen and digital printing
- Electrically heated IGU
- Bulletproof IGU





## FIRE RATED GLAZING

THE COMPANY HAS EXTENSIVE EXPERIENCE IN MANUFACTURING FIRE-PROOF CONSTRUCTIONS FOR FACADE, INTERIOR, AND TRANSPORT USE

### PRODUCT RANGE:

- Fire rated glass in various shapes and sizes
- Fire rated IGU with different classes of protection, including structural, with multifunctional, solar control and energy saving characteristics

## RESIDENTIAL GLAZING



RGC IS ONE OF THE UNIVERSALLY RECOGNIZED RUSSIAN LEADERS IN THE PRODUCTION OF IGUS FOR WINDOWS IN RESIDENTIAL HOUSES

### PRODUCT RANGE

- Energy saving IGU
- Solar control IGU with energy saving
- Multifunctional IGU
- Sound-proof IGU
- Burglar-proof IGU with different classes of protection
- Decorative IGU with silkscreen and digital printing





## INTERIOR GLAZING

THE COMPANY HAS UNIQUE POSSIBILITIES TO MANUFACTURE PRODUCTS FOR INTERIOR GLAZING OF TRADE AND BUSINESS CENTERS, HOTELS, EXHIBITION CENTERS, HEALTH CARE, SOCIAL AND CULTURAL FACILITIES, AS WELL AS FOR THE INTERIORS OF PRIVATE HOUSES AND APARTMENTS

### PRODUCT RANGE:

- Showcases
- Glass floors and ladders
- Wall panels with painted matt or glossy glass
- Wall panels with silkscreen or digital printing
- Glass doors, glass kitchen splashbacks, and tabletops of all sizes, shapes and colors, with silkscreen or digital printing

## TRANSPORT GLAZING



THE COMPANY SUPPLIES GLASS PRODUCTS AND IGUS, BOTH FOR RUSSIAN AND FOREIGN MANUFACTURERS OF RAILWAY, WATER, AND LAND TRANSPORT. ALL PRODUCTS COMPLY WITH INTERNATIONAL QUALITY STANDARDS

### PRODUCT RANGE

#### Safety IGU:

- With tempered glass, laminated glass
- With solar control and energy saving
- With silkscreen protective edging around the perimeter

#### Safety internal glazing:

- Tempered glass, a laminated glass of different thicknesses, shapes, colors, fire-rated glass







## ELECTRICALLY HEATED GLASS PRODUCTS

We offer a wide range of products for use in both commercial and residential projects.

Products with electric heating can be used as main or additional source of heat.

In winter, they melt snow and ice around the perimeter of the structure and get rid of condensation and the effect of a cold window.

Such products offer a high level of UV and solar control. Also they:

- Have no external difference,
- Solve the problem of heat loss,
- Are effective heat system.

Scopes of application: covered pools, roofs, suburban constructions, sea vessels.

## TECHNOLOGICAL EQUIPMENT

RGC products are manufactured according to the latest technologies by the most modern European equipment:

LISEC (Austria), Glaston (Finland), Glasstech (USA), Intermac (Italy), Bavelloni (Italy), Benteller (Germany), Giardina (Italy), Fleischle (Germany), Forel (Italy)



# GLASS AND LAMINATED GLASS CUTTING



## FACILITIES

27 LISEC machines  
(12 of them can cut laminated glass)  
8 HEGLA (one of them can cut laminated glass)  
BOTTERO (can cut laminated glass)  
Bystronic



## MAX. THICKNESS OF LAMINATED GLASS CUTTING

8 : 8 mm



## MIN. SIZE OF GLASS

350 x 350 mm



## GLASS THICKNESS

3 - 19 mm

# GLASS PROCESSING

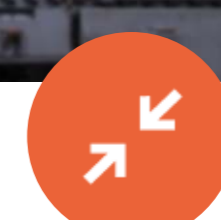


## FACILITIES

**HORIZONTAL MACHINES:**  
28 Intermac machines  
4 FIO machines  
2 BESANA machines  
3 Forvet machines  
1 ALPA machine  
1 VT-1250 machine

## VERTICAL MACHINES:

13 FOREL EM machines  
9 KSR machines  
3 GEMY machines  
DeltaProfile  
FOREL DM  
BAZ (WJ)  
Vertmax  
Bavone  
HIYON  
MAX-80  
B-73  
KBF



## MIN. SIZE OF GLASS

100 x 100 mm



## MAX. SIZE OF GLASS

3210 : 6000 mm



Blunting edge, grinding, polishing, drilling, milling cuts



## GLASS THICKNESS

3 - 19 mm



# GLASS TEMPERING AND HEAT STRENGTHENING



## FACILITIES

10 GLASTON  
3 NORTHGLASS  
1 KERAGLASS  
1 GLASSTECH  
6 HST FURNACES



## MIN. SIZE OF GLASS

100 x 250 mm



## MAX. SIZE OF GLASS

4 mm - 1500 x 2500 mm  
5 mm - 2440 x 3050 mm  
6 ... 19 mm - 3210 x 6000 mm

# GLASS BENDING



## FACILITIES

2 GLaston  
2 NorthGlass  
1 LandGlass



## NEGATIVE BENDING

6 mm - 3000 mm  
8 - 10 mm - 4000 mm  
12 - 19 mm - 5000 mm



## MIN. SIZE OF GLASS

600 x 800 mm



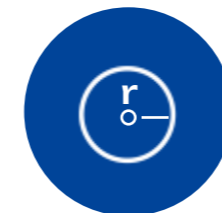
## MAX. SIZE OF GLASS

6 mm - 2800 x 3600 mm  
8 mm - 3200 x 4200 mm  
10 - 19 mm - 3200 x 6000 mm



## GLASS THICKNESS

5 - 19 mm



## MIN. RADIUS

6 - 8 mm - 1500 mm  
10 mm - 2000 mm  
12 mm - 2500 mm  
15 - 19 mm - 3000 mm



## BENDING OPTIONS (LANDGLASS)

Negative, cone, L-shaped



# FREE FORM GLASS BENDING



## FACILITIES

1 Pujol  
1 ITALFORNI

## MAX. DEPTH

600 mm

## MIN. SIZE OF GLASS

300 x 300 mm

## GLASS THICKNESS

4 - 15 mm

## MAX. SIZE OF GLASS

3100 x 4400 mm

# FIRE RATED GLASS CUTTING



## FACILITIES

Putsch MINECOMI  
MAXIMATOR GET  
SVP

## GLASS THICKNESS

7 - 52 mm

## MIN. SIZE OF GLASS

100 x 100 mm

## MAX. SIZE OF GLASS

5000 : 2300 mm



# GLASS COLORING (ENAMELED GLASS)

# DIGITAL GLASS PRINTING



## FACILITIES

Roller machines:  
5 Giardina roller machines  
1 Burkle roller machine  
1 Keraglass  
1 INO jumbocoater

Rollercoater machines for the enameling glass edges:  
2 RollMac  
1 INO e-coaster

## GLASS THICKNESS

3 - 19 mm

## MAX. SIZE OF GLASS

3210 x 6000 mm

## MIN. SIZE OF GLASS

150 x 250 mm

## COLORS:

All shades on the RAL scale



## FACILITIES

2 Dip-Tech digital printers  
2 Vitro-Jet TECGlass digital printer  
1 DOCAN UV printer

## PRINT RESOLUTION

720 dpi

## MIN. SIZE OF GLASS

80 x 270 mm

## MAX. SIZE OF GLASS

3210 x 6000 mm

## GLASS THICKNESS

4 - 19 mm



# IGU ASSEMBLY



## FACILITIES

39 LISEC lines  
2 FOREL lines  
2 Bystronic lines

Bending machines:  
32 BSV  
2 FOREL



## WIDTH OF THE SPACER

6 - 24 mm



## MIN. SIZE OF GLASS

180 x 350 mm



## GLASS THICKNESS

12 - 100 mm



## MAX. SIZE OF GLASS

3210 x 6000 mm



## GAS FILLING

Argon any camera or both



## TYPE OF SPACER

Aluminium, polypropylene, steel flexible spacer



## IGU WITH OVERSIZE OUTER PANE

Automatic. On 4 sides. Max. bottom side length - 250 mm. max. left - 1000 mm. Top and Right side length without limitations

# LAMINATED GLASS



## FACILITIES

3 PVB lines:  
LISEC, BENTELLER,  
BYSTRONIC  
9 EVA lines



## MIN. SIZE OF GLASS

200 x 700 mm



## MAX. SIZE OF GLASS

3210 x 6000 mm



## MAX. THICKNESS OF THE FINISHED PRODUCT

100 mm (EVA)  
80 mm (PVB)



## NUMBER OF GLASS LAYERS

not limited



## MIN. THICKNESS OF GLASS

2 mm (EVA)  
3 mm (PVB)



## MAX. THICKNESS OF GLASS

25 mm



## LAMINATED TEMPERED GLASS

possible



## LAMINATED GLASS WITH CUTOUTS

possible



## LAMINATED COATED GLASS

possible



## FILM THICKNESS

0.38 - 2.28 mm



## ASSEMBLING THE FIGURES

Available in manual



## BENT TEMPERED LAMINATED GLASS

possible



# MISSION OF OUR COMPANY

TO BE A PARTNER AND HELP ARCHITECTS AND FACADE COMPANIES TO IMPLEMENT THE BRIGHTEST BENCHMARK PROJECTS ACROSS THE COUNTRY.

AT RGC, WE HELP TO BRING ALL IDEAS TO LIFE BY GIVING ARCHITECTS COMPLETE FREEDOM OF CREATIVE THOUGHT: WE ERASE THE BOUNDARIES BETWEEN SPACE AND LIGHT AND HELP TO CREATE BUILDINGS IN A WIDE VARIETY OF FORMS.



**X-ONE WILL SATISFY ANY REQUEST**

## X-ONE CLIMATE

**LANDSCAPE WITH NO SIDE EFFECT:**

ENERGY  
SUN  
MULTI

IGUs if your goal is energy efficiency, rational use of resources, sustainable architecture.

## X-ONE PROTECTION

**GLASS SHIELD**

FIRE  
SOUND  
SECURITY

IGUs for additional protection and safety: laminated glass, sound insulation, tempered solutions.

## X-ONE TECHNO

**THAT'S GLASSY!**

THERMO  
SMART  
BENT  
MEDIA  
SHADOW

IGUs bent in various planes, with digital printing, multimedia, smart — for projects that require the most professional solutions.





**SKYON BUSINESS CENTER. TALLIN**

STRUCTURAL X-ONE TECHNO WITH ENAMELED GLASS



**UNIVERSITY OF LATVIA. RIGA**

STRUCTURAL X-ONE TECHNO WITH ENAMELED GLASS, STRUCTURAL  
MULTIFUNCTIONAL BENT X-ONE TECHNO BENT





## **CAMEROON- DOUALA. CAMEROON**

STRUCTURAL MULTIFUNCTIONAL X-ONE CLIMATE MULTI



## **SHANTER HILL. MINSK**

STRUCTURAL MULTIFUNCTIONAL X-ONE CLIMATE MULTI





## THE NATIONAL GYMNASTICS ARENA. BAKU

STRUCTURAL MULTIFUNCTIONAL X-ONE TECHNO



## HOTEL ARMENIA MARRIOTT. YEREVAN

X-ONE PROTECTION WITH SOUND INSULATION LAMINATED GLASS  
AND SOLAR CONTROL GLASS





## HAYASTAN HOTEL. YEREVAN

X-ONE PROTECTION WITH SOUND INSULATION LAMINATED GLASS  
AND SOLAR CONTROL GLASS



## LAKHTA CENTER. SAINT PETERSBURG

STRUCTURAL X-ONE PROTECTION WITH LAMINATED GLASS MADE  
OF HEAT-STRENGTHENED LOW-IRON GLASS WITH SILK SCREEN PRINTING,  
INCLUDING BENT STRUCTURAL X-ONE TECHNO BENT





## THE IQ-QUARTER. MOSCOW

MULTIFUNCTIONAL STRUCTURAL X-ONE PROTECTION SOUND WITH SOUND INSULATION LAMINATED GLASS AND X-ONE CLIMATE MULTI



## BANK. SAINT PETERSBURG

MULTIFUNCTIONAL STRUCTURAL BENT X-ONE TECHNO BENT





**NEVSKAYA RATUSHA BUSINESS CENTER.  
SAINT PETERSBURG**

MULTIFUNCTIONAL X-ONE TECHNO WITH SILKSCREEN PRINTING



**VTB ICE PALACE. MOSCOW**

MULTIFUNCTIONAL STRUCTURAL X-ONE TECHNO WITH DIGITAL PRINTING





## EXPOFORUM. SAINT PETERSBURG

STRUCTURAL MULTIFUNCTIONAL X-ONE TECHNO WITH DIGITAL PRINTING UP TO 3000\*5000 MM



## THE NORTHERN TOWER, MOSCOW CITY

INTERIOR GLAZING OF ELEVATOR SHAFT WITH FIRE RATED X-ONE PROTECTION FIRE





## RAILWAY STATION ADLER

STRUCTURAL MULTIFUNCTIONAL X-ONE TECHNO WITH ENAMELED GLASS



## MOSCOW REGION GOVERNMENT BUILDING

X-ONE CLIMATE WITH TEMPERED EXTERNAL MULTIFUNCTIONAL GLASS  
AND ADDITIONAL ENERGY SAVING GLASS





## RC SMART PARK. UFA

TRIPLE GLAZED X-ONE CLIMATE WITH TEMPERED EXTERNAL GLASS  
AND INTERNAL ENERGY SAVING GLASS



## MERCEDES-BENZ. UFA

X-ONE CLIMATE WITH EXTERNAL TEMPERED GLASS





## RC GOLDEN CITY. SAINT PETERSBURG

TRIPLE GLAZED X-ONE CLIMATE WITH TEMPERED EXTERNAL  
MULTIFUNCTIONAL GLASS AND INTERNAL ENERGY SAVING GLASS



## RC FIVE STARS. SAINT PETERSBURG

X-ONE CLIMATE SUN WITH EXTERNAL SOLAR CONTROL GLASS  
AND INTERNAL TEMPERED ENERGY SAVING GLASS





## PASSENGERS CARS

X-ONE TECHNO



## FORMULA 1 TRACK. SOCHI

STRUCTURAL MULTIFUNCTIONAL IGUS. FIRE RATED  
GLAZING WITH X-ONE PROTECTION FIRE





## RC SOTY. UFA

Клубный дом «Соты»

DOUBLE GLAZED AND TRIPLE GLAZED X-ONE CLIMATE WITH TEMPERED EXTERNAL GRAY COLORED GLASS, INTERNAL ENERGY SAVING GLASS AND ENAMEL



## NEW HOLLAND ISLAND. SAINT PETERSBURG

MULTIFUNCTIONAL X-ONE CLIMATE WITH EXTERNAL TEMPERED GLASS. BENT LAMINATED X-ONE TECHNO BENT WITH LOW IRON GLASS FOR INTERIOR GLAZING





## PLATEAU. KIROVSK

TRIPLE GLAZED ENERGY SAVING X-ONE TECHNO, HST,  
VALVULIZATION, LAMINATED GLASS



## KULA. BELGRAD

MULTIFUNCTIONAL X-ONE TECHNO WITH UNIQUE BIRD FRIENDLY SOLUTION,  
PROTECTING BIRDS FROM COLLISION WITH FACADE

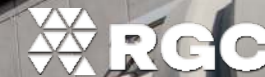




## FERRUM. SAINT PETERSBURG

STRUCTURAL X-ONE CLIMATE, COR-TEEN STEEL

PHOTO TCHOBAN VOSS ARCHITEKTEN / ILYA IVANOV



## RC BARCELONA. SAINT PETERSBURG

MULTIFUNCTIONAL X-ONE CLIMATE MULTI





## CHEHOFF. SAINT PETERSBURG

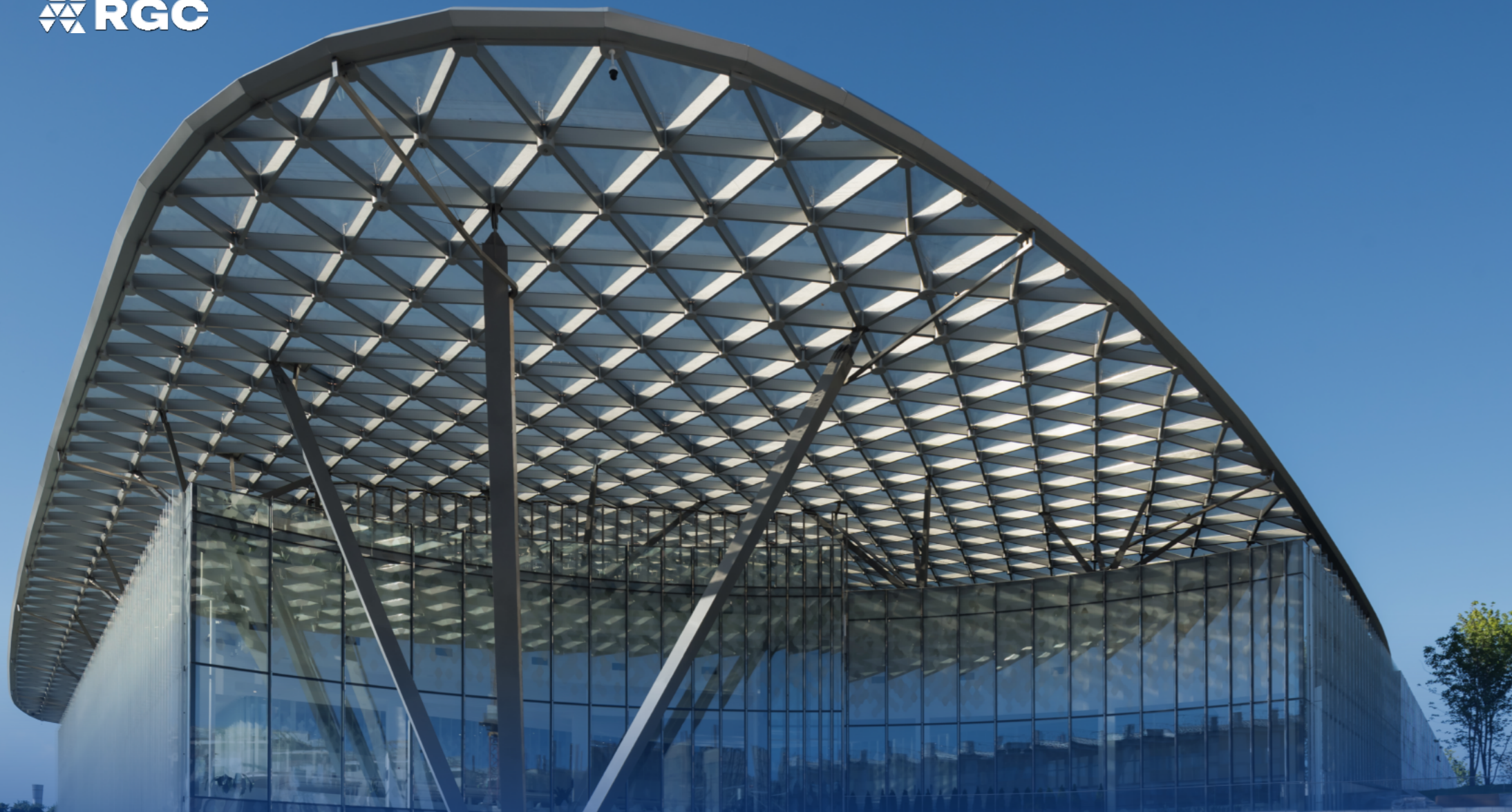
STRUCTURAL X-ONE CLIMATE MULTI



## PACKHOUSES. NIZHNY NOVGOROD

STRUCTURAL X-ONE PROTECTION WITH LAMINATED  
AND TEMPERED GLASS





## ZARYADYE HALL. MOSCOW

ELECTRICALLY HEATED X-ONE TECHNO THERMO, STRUCTURAL X-ONE CLIMATE WITH PRINTING



## MUSEUM OF THE WORLD OCEAN. KALININGRAD

1200 UNIQUE X-ONE TECHNO WITH PRINTING ON SEVERAL POSITIONS, ENAMEL





## MOSKVARIUM. MOSCOW

X-ONE TECHNO WITH SILK SCREEN PRINTING ON THE FIRST POSITION



## AIRPORT GAGARIN. SARATOV

STRUCTURAL X-ONE TECHNO, FIGURED PAINT-COATED GLASS PANELS

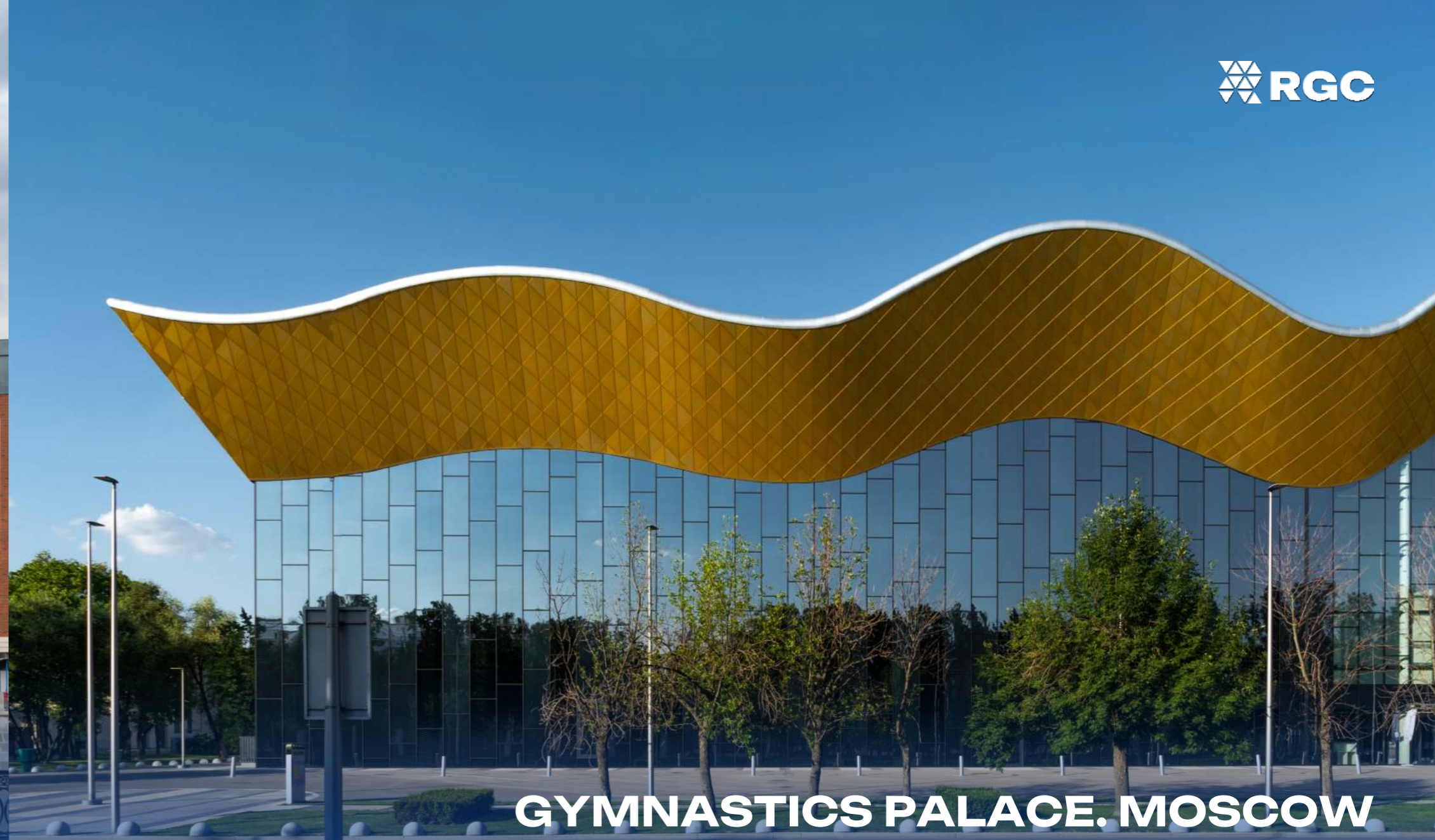




## THE TRETYAKOV GALLERY. MOSCOW

X-ONE TECHNO WITH DIGITAL CERAMIC PRINTING ON GLASS AND UNIQUE GRAPHIC SOLUTION, LAMINATED GLASS

PHOTO SPEECH / ILYA IVANOV



## GYMNASTICS PALACE. MOSCOW

STRUCTURAL MULTIFUNCTIONAL X-ONE TECHNO, SILK SCREEN PRINTING





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