



since 1988

Commercial offer Panoramic Wheels

- 35m
- 40m
- 45m
- 50m
- 60m
- 70m
- 80m
- 90m
- 105m
- 150m
- 170m

with certification
for Europe

September 2019



Panoramic wheel 128m in Ulsan, South Korea



Giant panoramic wheels 35-170m



Dear Sirs!

In recent years, the demand for giant Ferris wheels height from 150 m has significantly increased. But their cost is more than 100 million euros and this increases the payback period. We offer new technological wheels for an attractive price, which makes giant wheels very affordable and payback period 2-5 years!

Having experience in construction of 20 Ferris wheels, including 90m in Italy and 128 m in South Korea, we have developed a fundamentally new design of Ferris wheels with large cabins for various usage.

We are ready to sell these wheels, but it is more profitable for us to promote them in partnership with land owners in tourist zones around the world.

- We were established in 1988 and have been successfully operating in the world market since 1993. **We have created 108 modern amusement rides since 1988, including the largest Wheels for its time:** the largest in Europe 70 m Wheel in Moscow at the VDNH Expo, the largest in Europe 90 m Wheel in the park "Mirabilandia", Italy; the highest in Asia 128 m Wheel on the roof of a trade building in Ulsan, South Korea; the highest in Russia 80.2 m Wheel in Lazarevskoye Sochi, and 16 other Ferris wheels.
- In addition to our business, we manage international standardization and create for the market at our own expense safety standards of attractions ISO 17842, EN13814 and GOST 33807.
- Our attractions work without breakage for decades, because we use high-quality steel and welding, European: transmissions, electrical equipment, fastening products, welding and painting materials!
- From 2016 to 2018 we have designed, patented and now offer you the new designs of light and rigid Panoramic Wheels – "Crystal" and "Wheel of the World". The wheels are characterized by a new modern design, high safety construction, resistance to III-V wind areas, **twice bigger size of air-conditioned cabins for various group events.** We do not use rubber tires that slip in the rain and frost - **we use a steel gear to engage with the fingers of the drive arc.**



Since 2017, our production base is Krasnogorsk plant JSC "Betsema"- Russian-Dutch joint venture. We invite customers to visit it at any convenient time.

Our new Wheels are two times lighter and more technological than that of competitors, so we can offer the **best quality for the best price on the market! Call me! +7 903 7902872**

Sincerely yours, dr. **Vladimir Gnezdilov**, honored designer of the Russian Federation,
President of the Russian Association of amusement Parks and attractions, chairman of Technical Committee № 254 ISO,
([biography](#))



Leisure Technical Consultants Ltd.

TYPE 'A' REGISTERED INSPECTION BODY

73 Crescent Road, Dukinfield, Cheshire, SK16 4EU **Tel:** 0161 351 9526;

e-mail: ltd@ltdci.co.uk; www.ltdci.co.uk

To whom it may concern

23rd June 2017

Leisure technical Consultants, are a bon fide inspection company with offices in Manchester UK and United Arab Emirates, and have worked with Pax Company for a project in Dubai aiming to build a panoramic wheel of 170m in height. As a result of our working relationship with them, we were able to look into the calculations of the wheel design.

With this, we are optimistic that using the same technology, Pax Company is capable to design, manufacture and install a 255m wheel for the Middle East region in accordance with the requirements of ISO 17842 "Safety of Amusement Rides" standard.

We have known of the existence of Pax Company and its manufacturing ability as a legitimate company in the amusements rides industry and the international market. Also, we have worked with them in the creation of the new international standard on Safety of Amusement Rides.

For that reason, we would be please to take part as the 3rd party inspection body in the construction installation of the world's highest panoramic wheel in Kuwait.

Best Regards

Robert F Nicholls

Managing/Technical Director of LTC Ltd





BENEFITS of Panoramic Wheels by PAX Group

- modern design and best quality in Russia
- spacious cabins with panoramic view
- characterized by less weight and greater rigidity

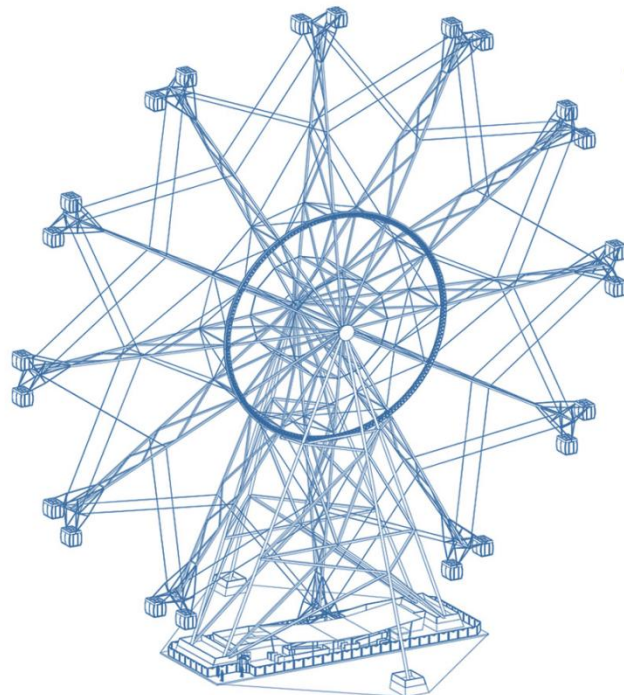
30 years since 1988

ADVANTAGEOUS OPERATION

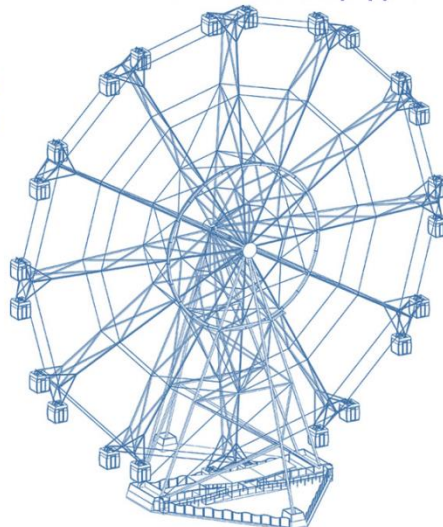
- tickets are not subject to VAT (for RF)
- big wheels brings big profit
- low operating costs < 15% of revenue

technical data

| Wheel height meters | Diameter meters | Pers/Cabin quantity | Turnover minutes | Pers/Hour quantity | Velocity m/s | Production months | Assembly weeks | Containers quantity | Area meters | Engine KW | Foundation meters ³ | Base price M (euro) |
|---------------------|-----------------|---------------------|------------------|--------------------|--------------|-------------------|----------------|---------------------|-------------|-----------|--------------------------------|---------------------|
| 35 | 31 | 12x8=96 | 8-16 | 700-350 | 0.10-0.20 | 5 | 2.0 | 5 | 26x20 | 6(4) | --- | 0.5 |
| 40 | 36 | 14x8=112 | 8-16 | 800-400 | 0.12-0.24 | 5.5 | 2.5 | 6 | 30x20 | 7.5(5) | --- | 0.7 |
| 45 | 41 | 16x8=128 | 9-17 | 900-450 | 0.13-0.26 | 6 | 3.0 | 8 | 32x24 | 9(6) | --- | 0.8 |
| 50 | 46 | 20x8=160 | 9-17 | 900-500 | 0.13-0.26 | 6.5 | 3.5 | 10 | 36x28 | 12(8) | 40 | 1.1 |
| 60 | 56 | 22x8=176 | 8-18 | 900-600 | 0.16-0.24 | 7 | 3.0 | 12 | 40x28 | 13(9) | 50 | 1.5 |
| 70 | 66 | 22x8=176 | 10-15 | 1000-700 | 0.23-0.35 | 7 | 3.5 | 14 | 42x28 | 18(12) | 55 | 2.0 |
| 80 | 76 | 24x8=192 | 10-14 | 1150-800 | 0.28-0.42 | 8 | 4.0 | 16 | 46x34 | 22(15) | 90 | 3.0 |
| 90 | 86 | 28x8=224 | 10-15 | 1300-900 | 0.30-0.45 | 9 | 5.0 | 19 | 54x34 | 30(20) | 100 | 4.0 |
| 105 | 96 | 32x8=256 | 10-15 | 1500-1000 | 0.33-0.50 | 10 | 9.0 | 25 | 60x46 | 36(24) | 120 | 6.0 |



90m-105m, supports 40x60 m.



70m-80 m, supports 35x50 m.



60 m, supports 30x40 m.



45 m, supports 20x27 m.



35 m, supports 18x24 m.

SAFETY

- Attractions conform with the amusement rides safety standards ISO 17842, EN 13814, GOST 33807
 - Since 1988 PAX Group manufactures and maintains attractions for Russia, Europe and other regions
 - The only Russian manufacturer with experience in sales to Europe with TUV certification
 - The wheels are equipped with two independent transmissions with brakes and reserve power
 - All mechanisms are controlled by the Siemens electronic system
 - Mechanical components from European manufacturers
 - PAX Group is the head of the TC-427 committees of Rosstandart and TC 254 ISO on the development of safety standards for amusement rides.

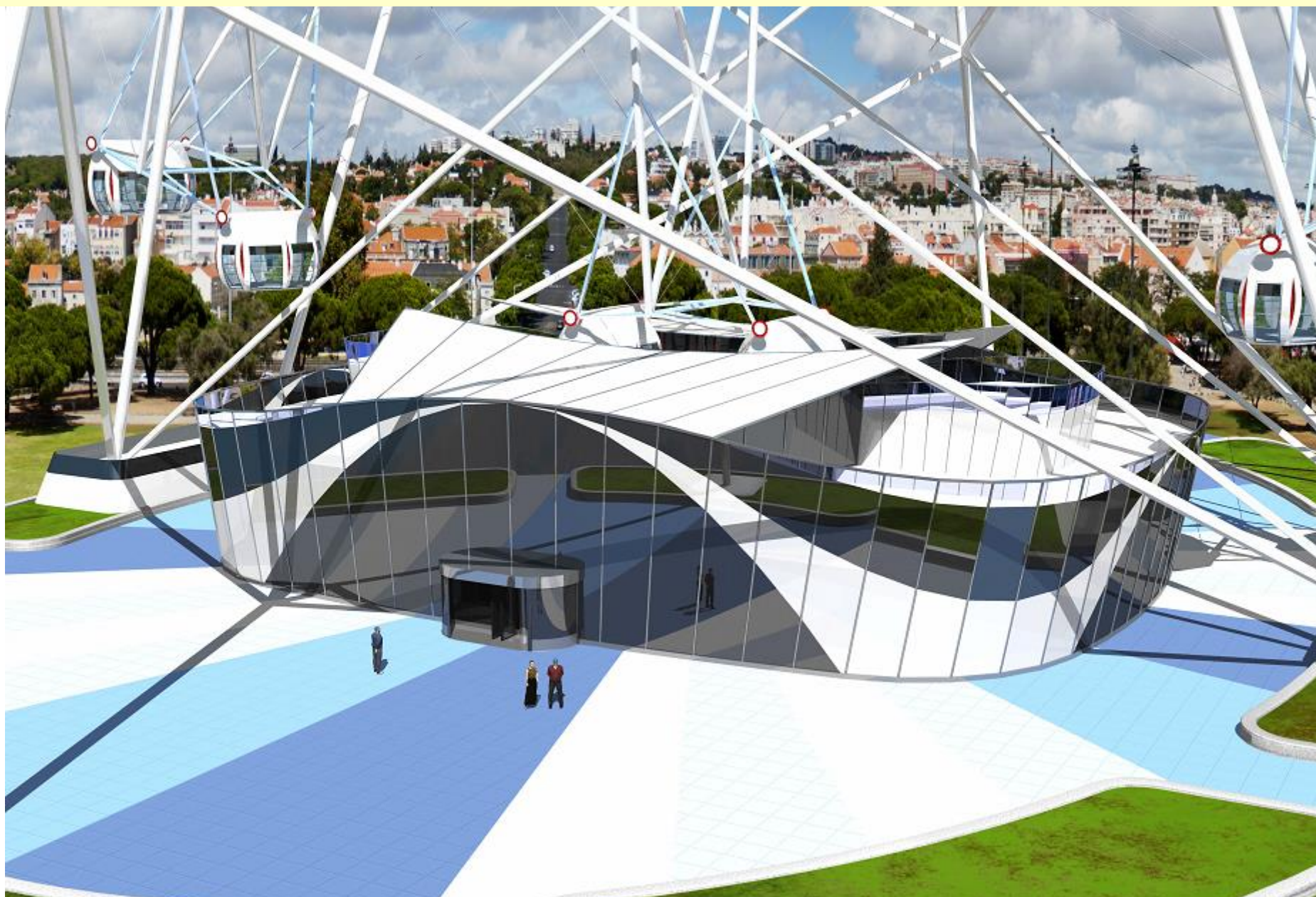
Production in cooperation with OAO "Betsema" in Krasnogorsk

**Daylight view of the wheel 170m
basic price – €49M**



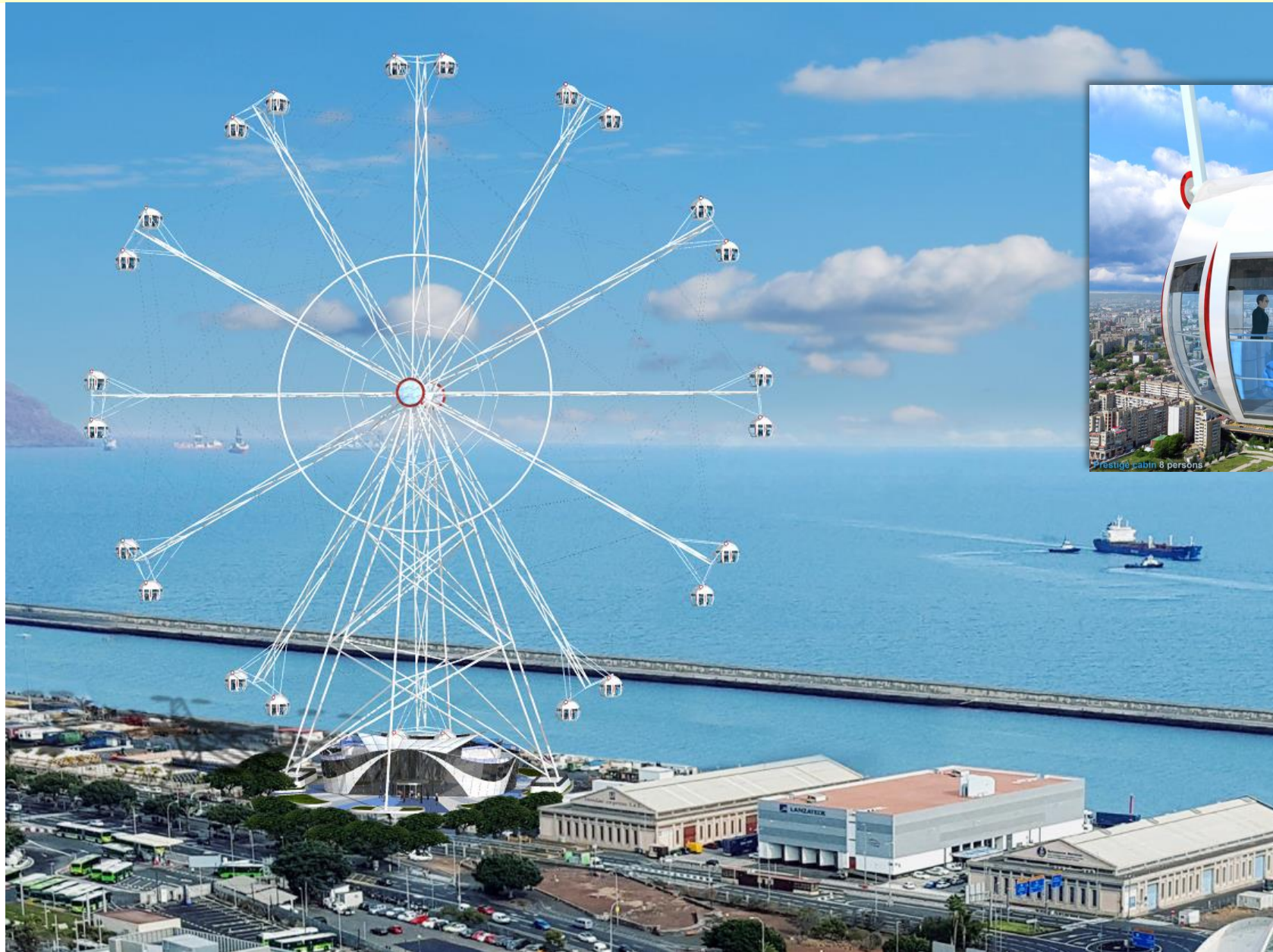
Wheels 35-170m

Landing platform 170m



Wheels 35-170m

Daylight view of the wheel 150m
basic price – €29M



Wheels 35-170m

Night view of the wheel 150m



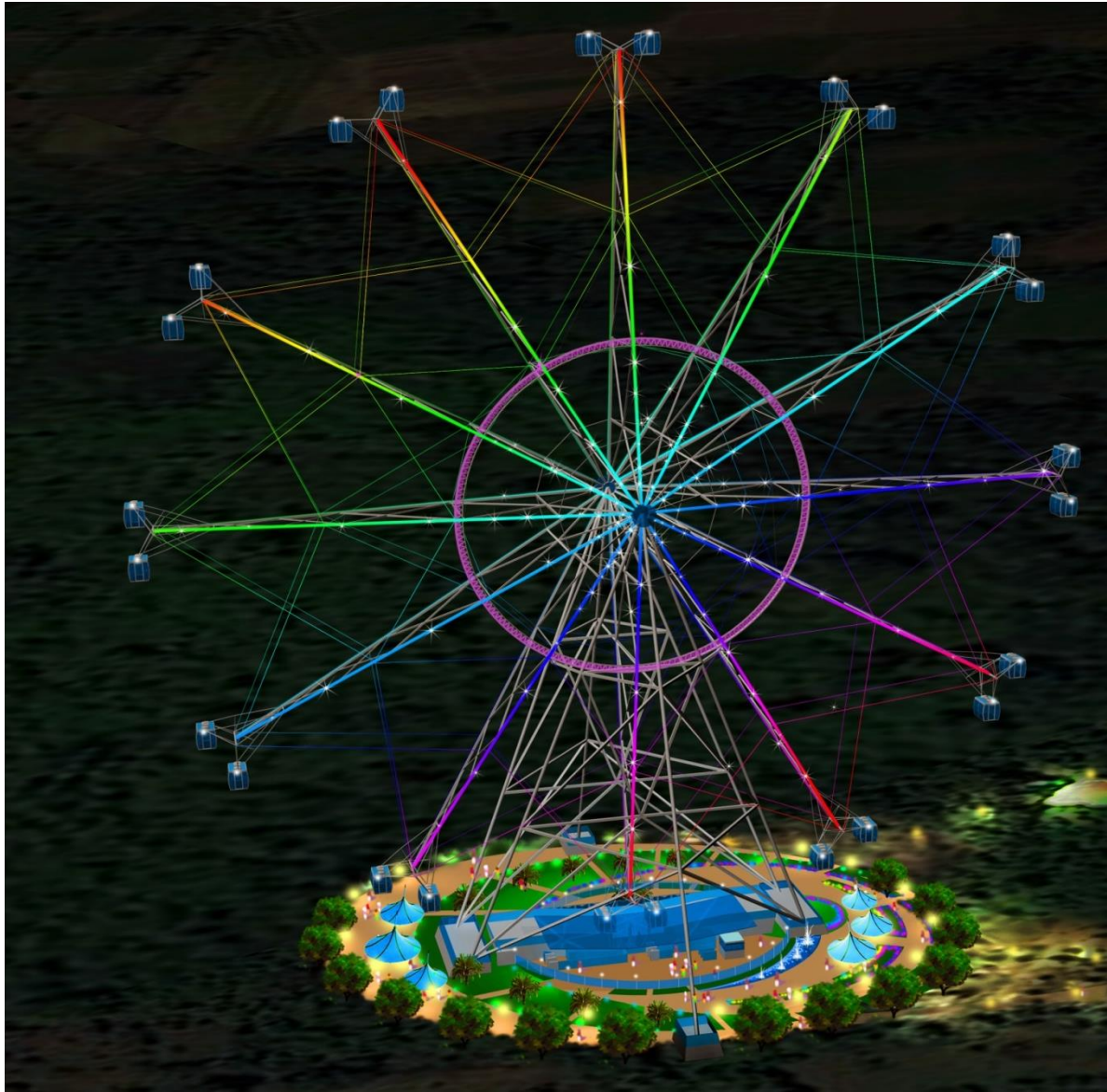
Wheels 35-170m

Landing platform 150m



Wheels 35-170m

Night view of the wheel 105m



Wheels 35-170m

Daylight view of the wheel 90m



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Wheels 35-170m

Night view of the wheel 90m



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Wheels 35-170m

Daylight view of the wheel 80m



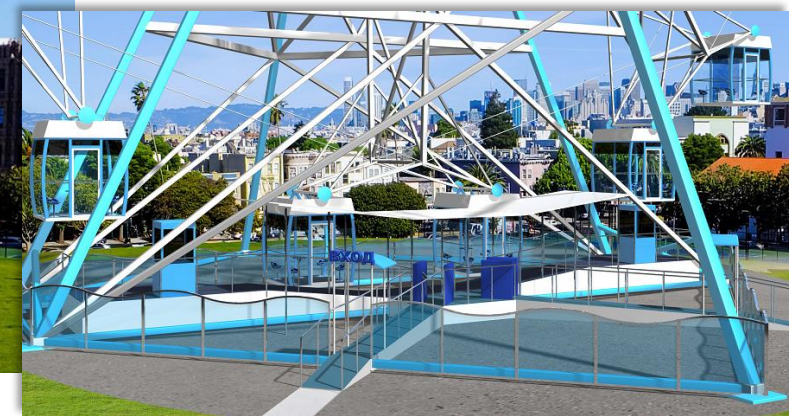
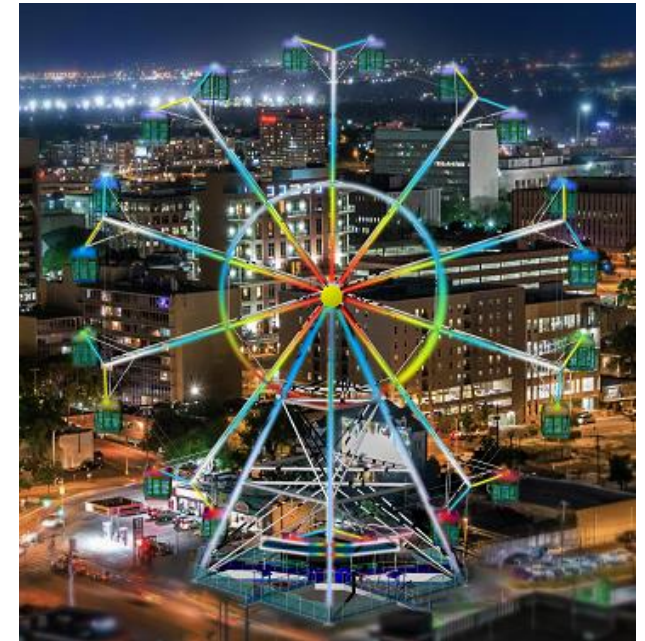
Wheels 35-170m

Daylight view of the wheel 60m



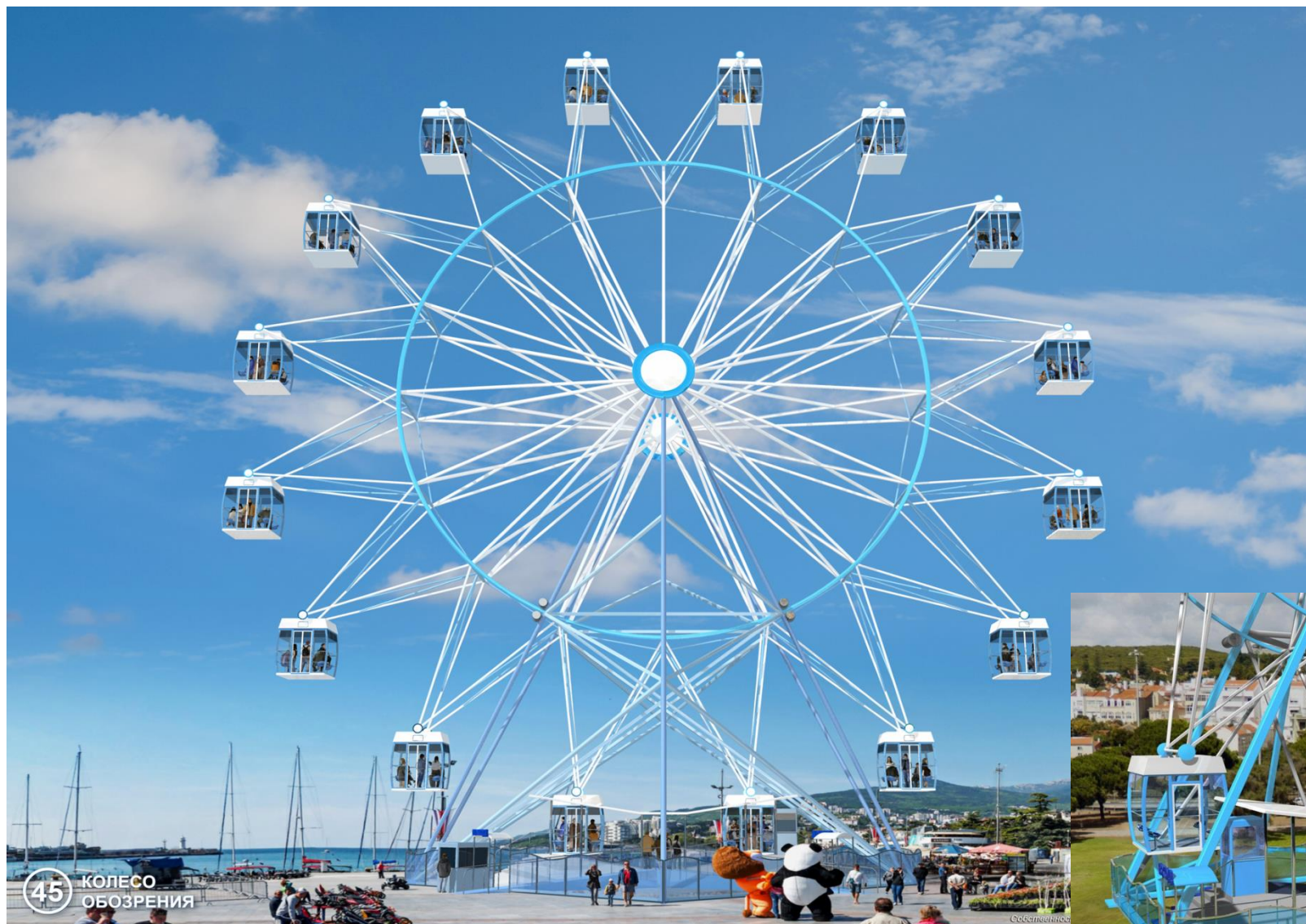
Wheels 35-170m

Daylight view of the wheel 50m



Wheels 35-170m

Daylight view of the wheel 45m



45 КОЛЕСО
ОБОЗРЕНИЯ



Wheels 35-170m



Benefits of the offered cabin

- Modern design
- Cabin consists of curved tempered glass, reinforced with films.
- Glass from the floor provide best visibility.
- The cabin has two entrances.
- The cabin can be equipped with two air conditioners, heating audio - visual communications with operator.
- The cabin can be equipped with video monitor for prerecorded excursion. The cabin can be equipped with a Wi-Fi system.

The cabin can be equipped with led illumination.

- The open cabins has soft safety bar for each seating.



closed glass cabin 2.2x2.2m



cabin 6x4m for wheel 150m



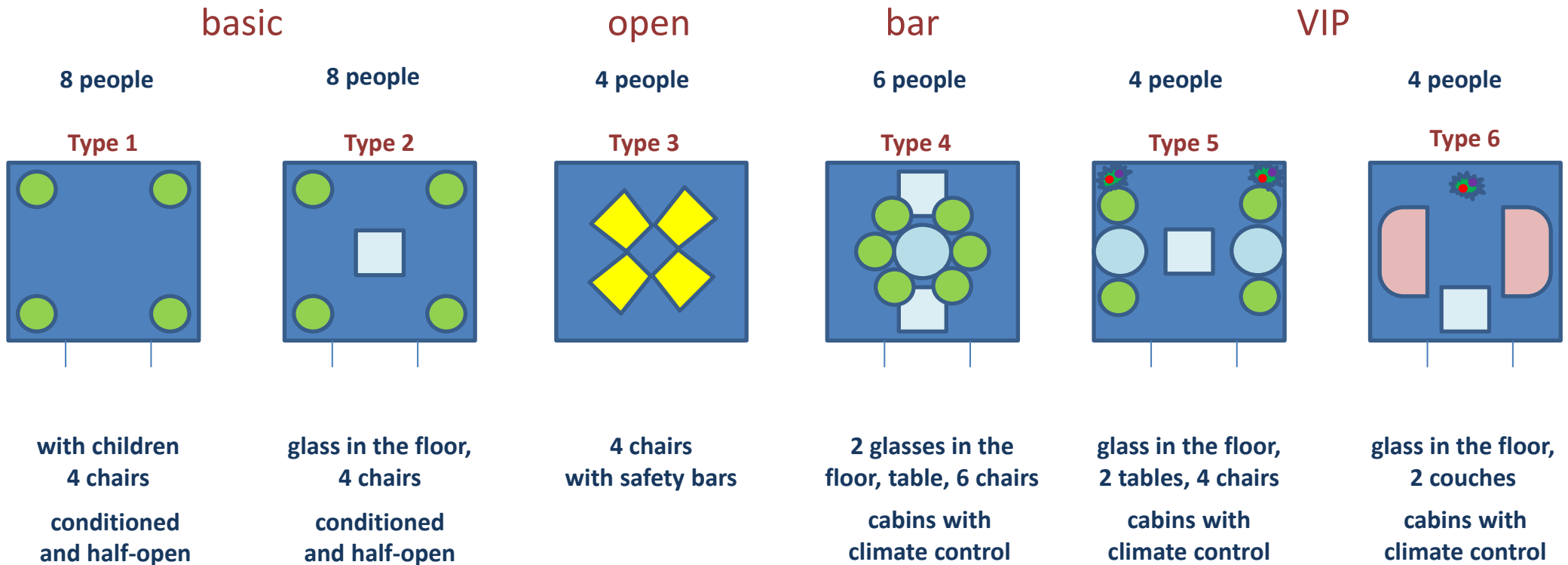
semi-open glass cabin 2.2x2.2m



open cabin 2.2x2.2m

Wheels 35-170m

Layouts of cabins



Buyer chooses types and quantity of cabins. Cabins will be put on the wheel taking into account load alignment and the convenience of loading in cabins of different types.

Different layouts of the offered cabin



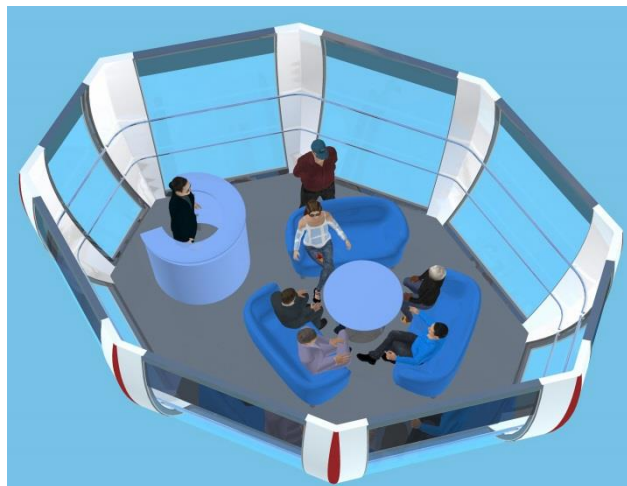
Economic cabin – 20 persons



Comfort cabin – 12 persons



Prestige cabin – 8 persons



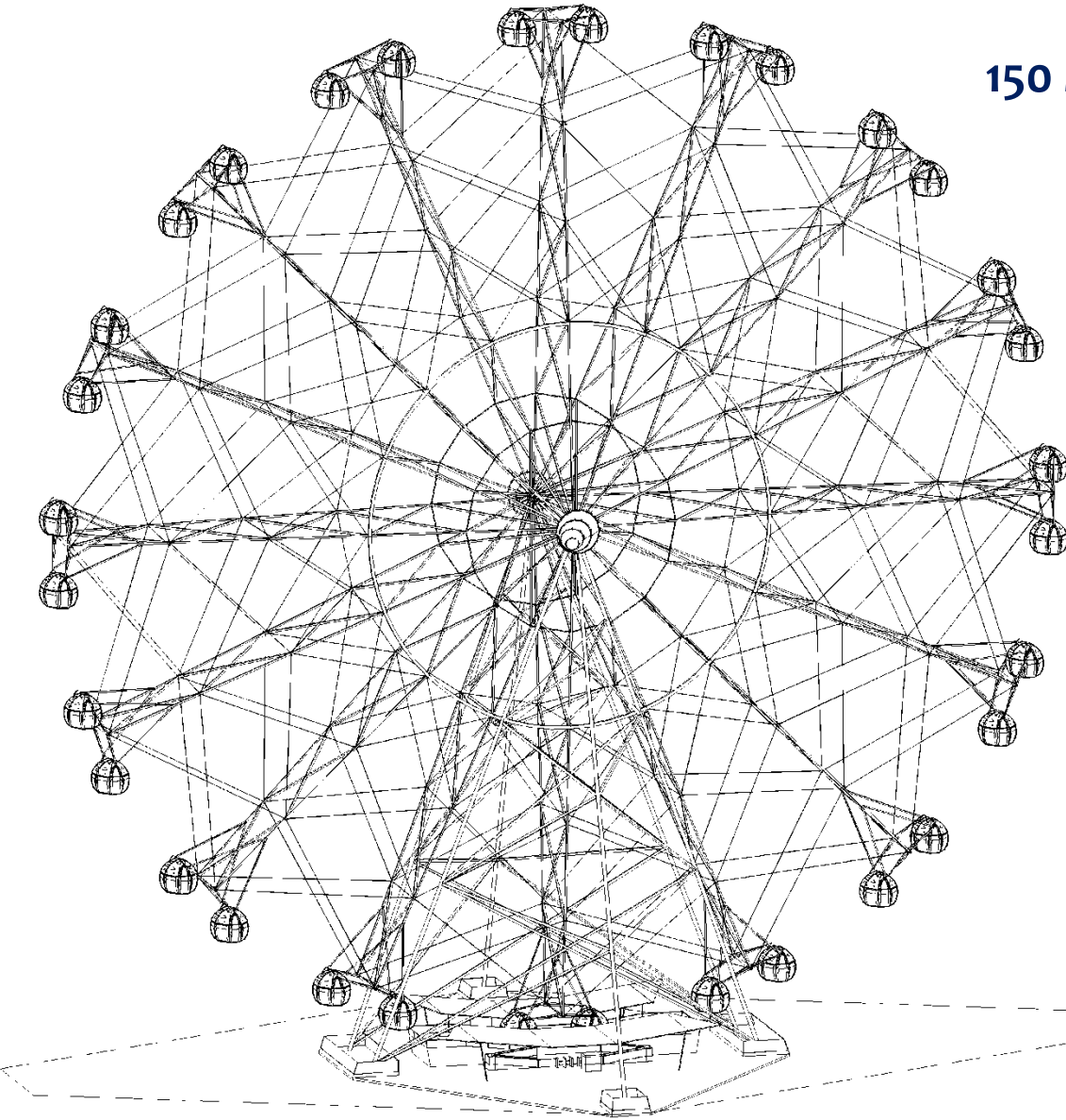
Business cabin – 6 persons



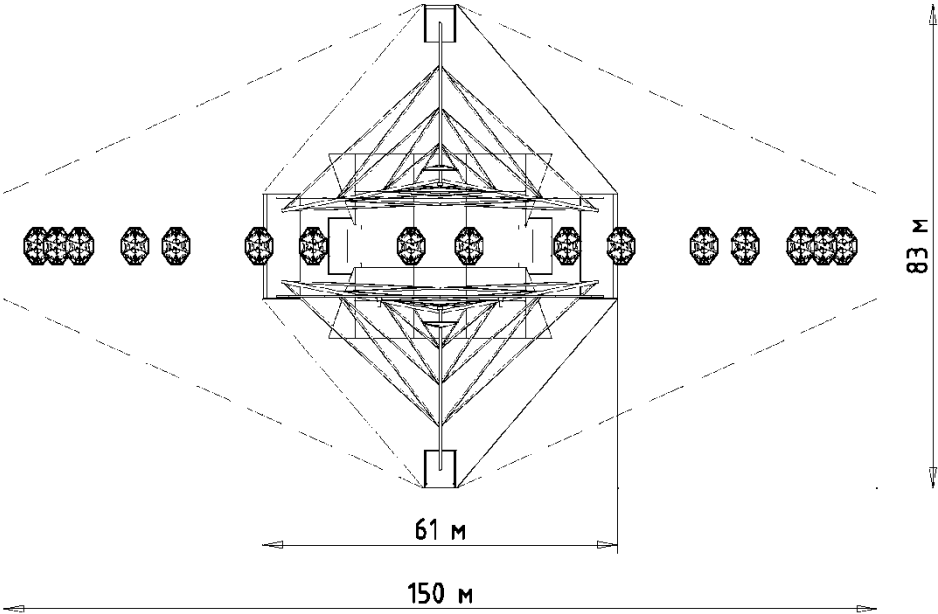
Romantic cabin – 6 persons

Wheels 35-170m

Wheel design and overall dimensions

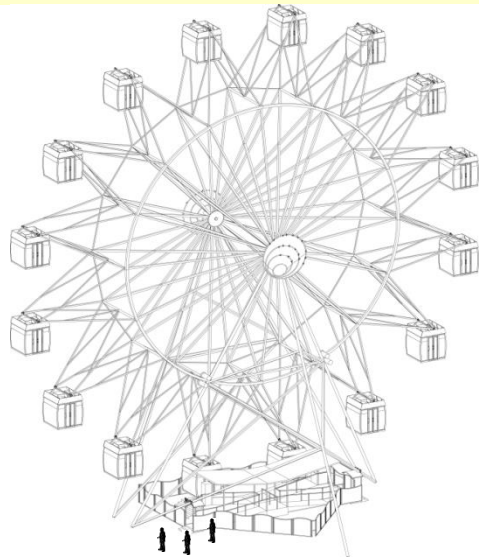


150 M

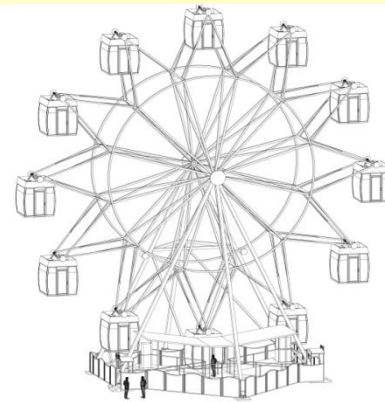


Wheels 35-170m

Configuration of wheels



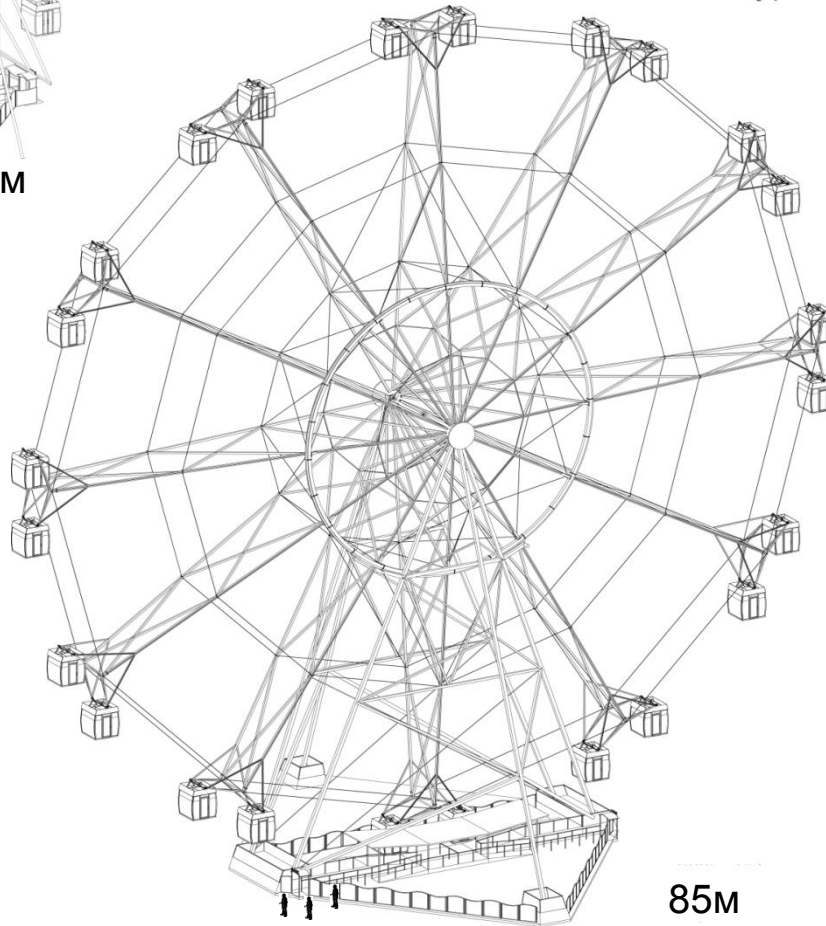
45M



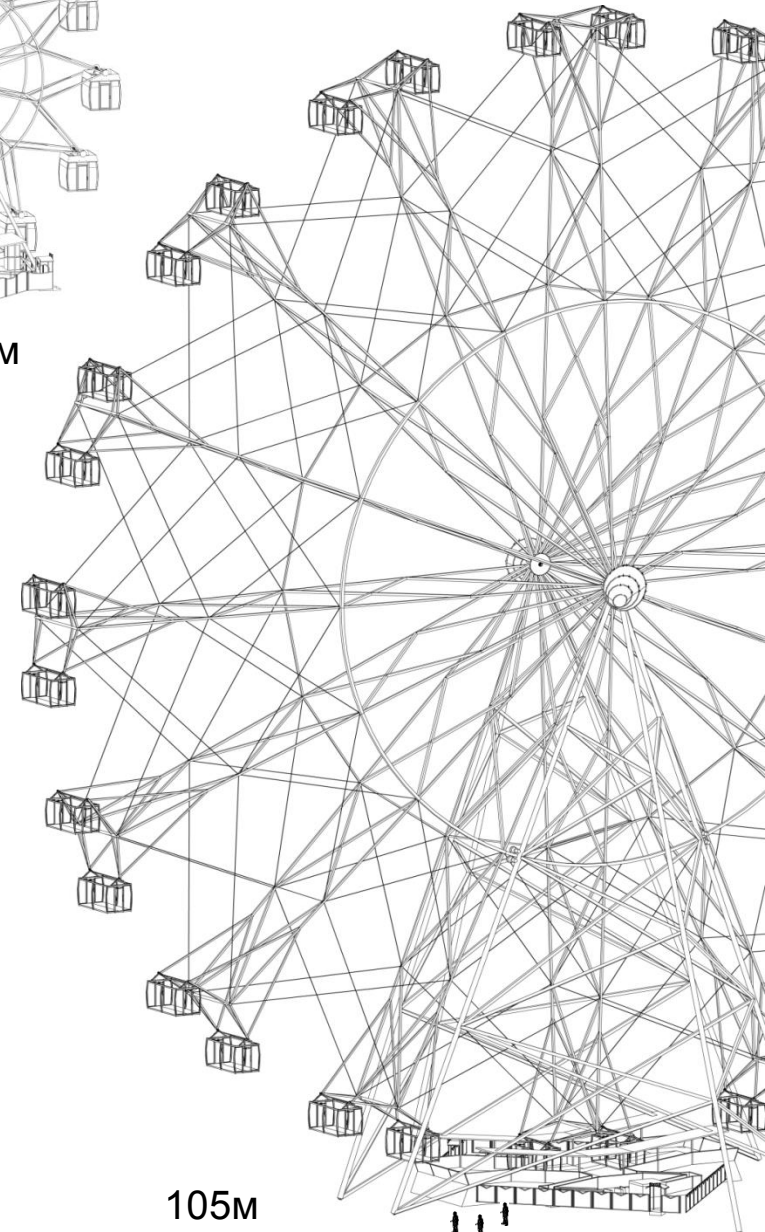
35M



60M



85M



105M

Wheels 35-170m

WHEEL COMPLETE SET AND MAIN TECHNICAL CHARACTERISTICS 150M



1. BASIC DELIVERY SET

1. Main supports with service stairs and platforms; 16 movable part trusses; 32 cabins x 8-20 passengers in the following complete set.

1. Wheel transmission: primary and backup drives, brake;
2. 2 axle with bearings, main and auxiliary electrical collector;
3. Loading platform with awning and wheel accesses;
4. Electrical equipment manufactured from certified components in accordance with ISO 17842 "Low voltage equipment" standard: control cabinets, operator's consoles, a set of cables, sensors;
5. Anticorrosion coating of metal structures - polyurethane paint system;
6. Operational documentation.
7. Spare Parts Kit for one year operation;
8. Copy of the certificate of permission.

2. SPECIFICATIONS (preliminary)

1. Dimensions:

Height, m~ 150
 Diameter by cabins suspension units, m.....~ 146
 Wheel ground site size, m (approximately).....~60x70
 Supports ground site size~1.5 Ha

2. Cabins:

Total number of cabins in the wheel.....32
 Max. passengers in cabin20
 Cabin area, sq m 16

3. Dynamic features:

Max./normal speed of cabins movement, m/s0.5/0.35
 Range of cabin speeds at the station, m/s.....0-0,5
 Time of one rotation, min.....20-40
 Maximum capacity per hour/ per year.....1600/6 000 000

4. Number of 40 ft. Open Top containers for transportation of the ride

Preliminary68

5. Electrical equipment (all data are preliminary):

Power consumed by the ride's drives under a full load, not more, kW40
 Source of drive's power supply, V/phase/Hz/A .380/3/50/100
 Power consumed by ride illumination (option), depending on lights type, kW ~40
 Source of illumination power supply (option) V/phase/Hz/A.....380/3/50/100
 Average power consumed by cabins systems in summer (air-conditioning, bars-options), not more, kW 64
 Source of cabins power supply, V/phase/Hz/A.....380/3/50(60)/170

6. Emergency evacuation system:

Wheel structure has two independent transmissions. In case of failure of the regular transmission the brake unit stops the wheel. Then the regular transmission latch is disengaged, and the service one is brought into engagement and continues to rotate the wheel for disembarking of the passengers. Electricity is reserved by power generator, which is provided in case of regular (operational) power cutoff. Service transmission consumes around 25 kW of power. The whole operation for switching of the transmissions takes less than 20 min, and the disembarking of people takes the time of one revolution of the wheel.

7. External influence:

a) V wind region, b) earthquake – up to 8.5 Richter scale, if there was no shifting of ground.

Experience of Pax Group of Companies



520 facilities designed and built in Europe, Asia, and America for **30** years, since **1988**

- Over 108 major rides around the world.
- 212 telecommunications and TV towers up to 84 meters in height.
- “Moscow – 850” Panoramic Wheel 70m high- the highest in Europe in 1995.
- Panoramic Wheel 90 m in height for Mirabilandia park, Italy – the highest in Europe in 1998.
- Roller Coasters for Saudi Arabia, France (Parc Saint-Paul); Austria (Erlebnispark).
- Mobile Gantry for pre-launch preparation of "Soyuz-CT" launchers for Guiana Space Center, France in 2011. Up to 2014 there were 8 successful launches of Soyuz rockets.
- Set of containers for "Soyuz-CT" launchers transportation from Russia to Guiana Space Center.
- In 2012-13, ISO TC 254, which is headed by Vladimir Gnezdilov created 3 new world standards "Safety of amusement rides and amusement devices“.
- 2013 - the Russian and International Union of Scientific and Engineering Public Associations has awarded the specialists of Pax Design with the Golden Medal named after V.G. Shukhov for the creation of the Mobile Gantry for SOYUZ space vehicles in Guiana Space Center (GSC), Kourou, French Guiana
- Since 2017 Pax Group is in the head of committee 427 of Rosstandart.



Mobile Gantry in GSC



Cobra, Dammam



Wheel 90 m, Italy



Wheel 80 m. Sochi, Russia

Wheels 35-170m



Safety of amusement rides

Pax Group of Companies pays serious attention to safety of amusement rides under design and production. Back to 1989-90 we conducted centrifuge tests in Gagarin's Center for test subjects of different ages from 6 to 78 years old with different health problems to establish safety requirements for amusement rides, the test results and data are used by us to develop International standard ISO 17842 Safety of amusement rides.

System of design and manufacture of amusement rides of Pax Group of Companies is certified by the leading world expert TUV SUD (Germany). We have the license by Roscosmos for manufacture of space equipment. There were no incidents with our products.

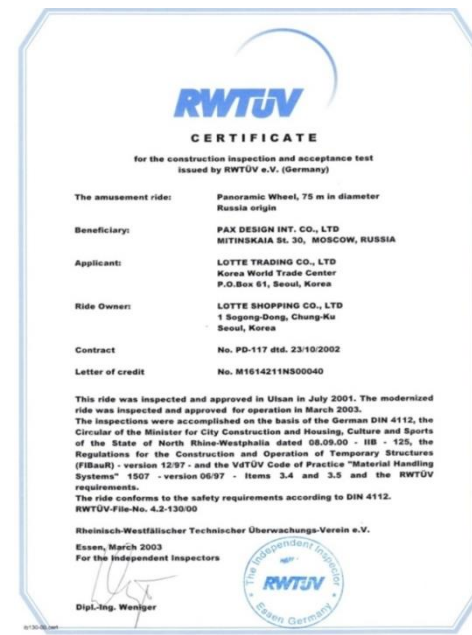
The leader of Pax Group of Companies, Vladimir Gnezdilov, is the head of aerospace structure stress analysis department of the Moscow Aviation Institute (University), Chairman of TC 254 «Safety of amusement rides» ISO – International Organization for Standardization

Space work license

Certificate of TUV SUD for quality assurance system of Pax Group of companies

Certificate of TUV NORD (Germany) for panoramic wheel Ulsan, Korea

Certificate by TUV SUD (Germany) For Mobile Gantry in Guiana Space Center



Patented wheel transmission



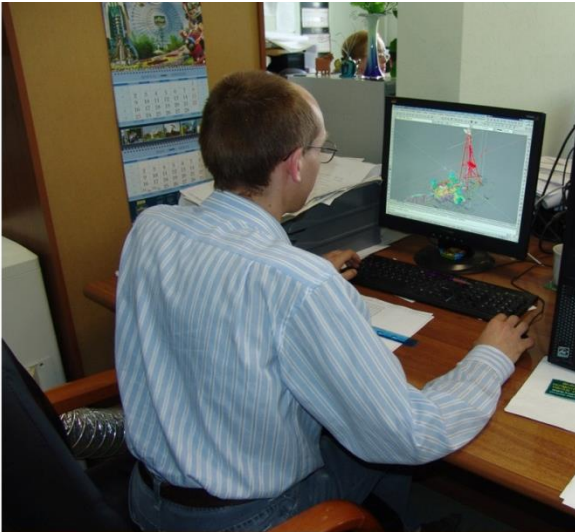
Wheels 35-170m

Wheel assembly




Wheels 35-170m

Manufacture processes



ZERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO ♦ CERTIFICAT



Management Service

CERTIFICATE

The Certification Body of TÜV SÜD Management Service GmbH certifies that



Pax Company Ltd.
97 Volokolamskoe sh.
125424 Moscow
Russian Federation

has established and applies a Quality Management System for

Assembly and technical maintenance of mechanized amusement rides and high-rise spatial structures


An audit was performed, Report No. 707026537. Proof has been furnished that the requirements according to

ISO 9001:2008

are fulfilled. The certificate is valid in conjunction with the main certificate from 2014-08-21 until 2019-08-20. Certificate Registration No. 12 100 48520/01 TMS



Product Compliance Management
Munich, 2014-08-22

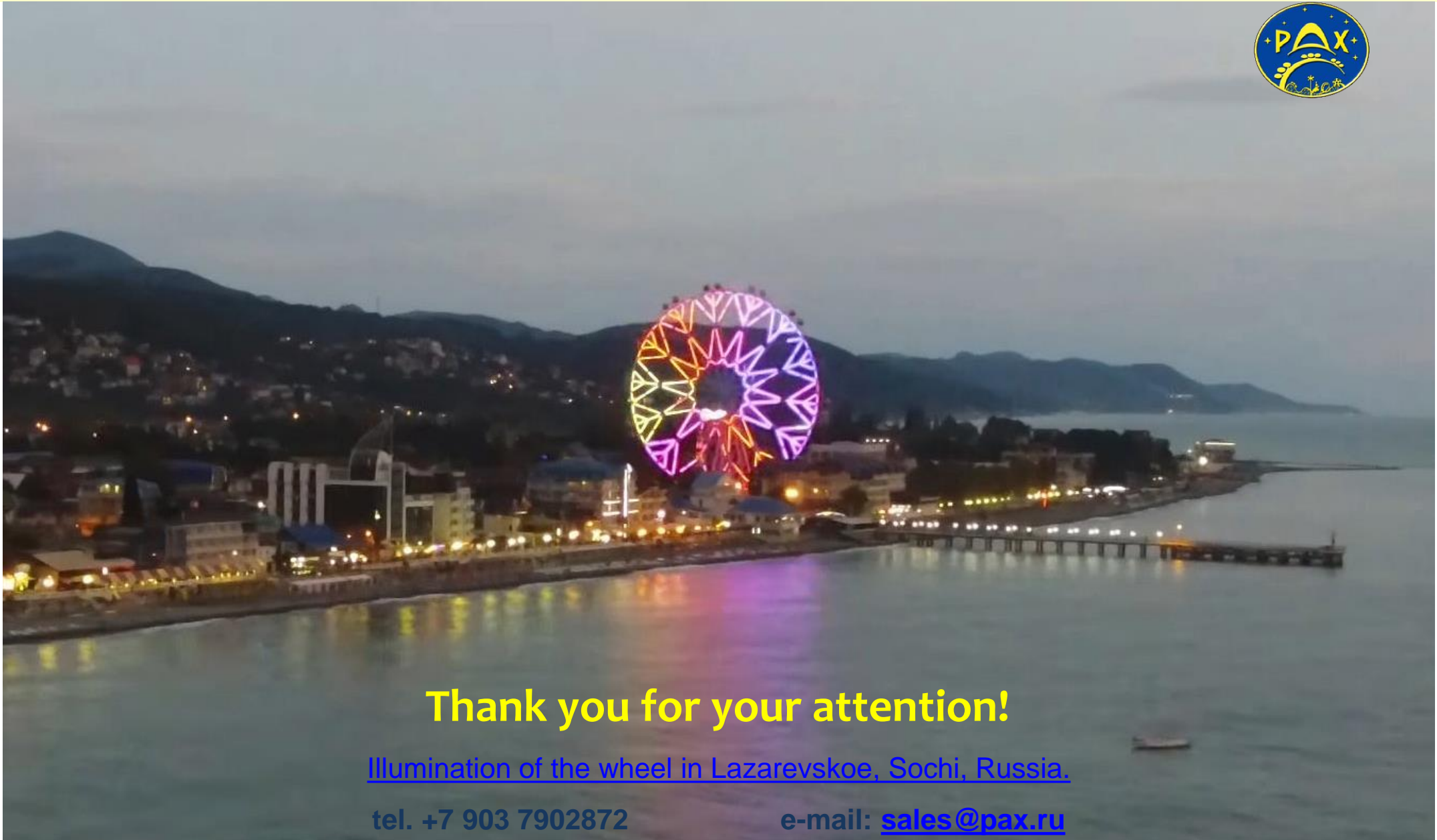


DAkkS
Deutsche
Akademie
für
Normung
DIN 28443-01:03

TÜV SÜD Management Service GmbH • Zertifizierungsstelle • Röhrenstraße 65 • 80339 München • Germany



Our wheel in Lazarevskoe, Sochi



Thank you for your attention!

[Illumination of the wheel in Lazarevskoe, Sochi, Russia.](#)

tel. +7 903 7902872

e-mail: sales@pax.ru

WWW.PAX.RU



Amusement rides produced from 1989 to 2000

| № | Description | Designation | Date of manufacture | Factory № | Owner (location) |
|----|---|---------------------|---------------------|------------|--|
| 1 | "Moscow roller coaster" | A.01.1.000 | 1989 | 001 | city of Dushanbe |
| 2 | "Moscow roller coaster" (Izmaylovskaya) | | 09.1990 | 002 | city of Novosibirsk, JSC "Virazh" |
| 3 | "Moscow roller coaster" | A.01.0.000 | 11.1991 | 001 | Moscow, JSC "Moscow attractions" and JSC "Pax" VVTs; after refurbishing - Perm |
| 4 | Roller coaster "Magic Steed" | A.04.0.000 | 27.06.1992 | 002 | Moscow, JSC "Pax", Central Park of Culture and Leisure (CPCL) |
| 5 | Roller Coaster "Magic Steed" (Podolsk) | | 12.1991 | 001 | city of Ust-Kamenogorsk, GOKUKSTSK |
| 6 | Roller coaster "Magic Steed" | 008.A.08.1.000 | 30.10.1993 | 008 | Costa Rica |
| 7 | "Pioneer" | B.01.1.000 | 24.06.1992r. | 001 | city of Izhevsk |
| 8 | "Pioneer" | 009.A.09.1.000 | 04.94.(04.08.94) | 009 | city of Komsomolsk-on-Amur, KAAOO named after Gagarin |
| 9 | Roller coaster "Astro-Pax-18" | 007.A.07.0.000 | 01.07.1995 | 007 | Moscow, JSC "Pax" VVTs - since 01.07.95 |
| 10 | Giant swings "UFO" | 001.K.01.000 | 15.07.94, 95 | 001 | Moscow, JSC "Pax" CPCL; VVTs; city of Mineralnye Vody - since 04.10.97 |
| 11 | Panoramic wheel "Moscow-850" | 011.C.02.1.000 | 16.07.1995 | 011 | Moscow, JSC "Pax" VVTs - since 15.07.96 |
| 12 | Bumper car facility (refurb.) | 012.EA.1.000. | 27.06.1994 | 012 (1-01) | Moscow, JSC "Pax" CPCL |
| 13 | "Orbit-420" (refurb.) | 013.KKT.2.165.2.000 | 22.05.1994. | 13(unnumb | Moscow, JSC "Pax" CPCL - since 23.05.94 |
| 14 | Vortex | KKT2.111.000 | 03.08.1992 | 299 | Moscow, JSC "Pax" CPCL - since 03.08.92 |
| 15 | Carrousel "Comet" | 024.C.04.0.000 | 20.04.1996 | 24 | Moscow, JSC "Pax" VVTs - since 20.04.96 |
| 16 | Bumper car facility | 023.C.03.0.000 | 06.11.1995 | 23 | Moscow, JSC "Pax" VVTs - 06.11.95 |
| 17 | Carnival | KKT 2.100.002 | 07.93 /10.96 | 227 | Moscow, JSC "Pax" CPCL, VVTs, Kaliningrad |
| 18 | Roller coaster "Tsar coaster" | 038.A.12.0.000 | 07.08.1996 | 38 | Moscow, JSC "Pax" VVTs, Krasnodar |
| 19 | "Polar lights" | | | | Moscow, JSC "Pax" VVTs, Kaliningrad |
| 20 | "Polar lights" | | 23.07.1995 | 92020131 | Moscow, JSC "Pax" CPCL, VVTs - since 04.02 |
| 21 | "Polar lights" | | 14.08.1993 | 91120120 | Moscow, CPCL, Costa Rica |
| 22 | Orbit | KKT 2.165.000 | 23.07.1993 | 407 | Moscow, CPCL, Costa Rica |
| 23 | Roller coaster "Cobra" | 047.A.14.1.000 | 1998 | | Saudi Arabia, Dammam, in operation since 21.02.98 |
| 24 | "Comet" | 061.C.15.1.000 | 12.1998 | | Vietnam |
| 25 | Panoramic wheel Ø 84 | 062.C.18.1.000 | 04.1999 | | Italy, Ravenna, "Mirabilandia" - since 1998 |
| 26 | Roller coaster "Crazy train" | 052.A.15.1.000 | 12.1998 | 052-1 | Ukraine, Dnepropetrovsk; Yalta - since 21.01.99 |
| 27 | Roller coaster "Crazy train-2" | 091.A.16.1.000 | 04.1999 | 7 | Moscow, VVTs; Kogalym, Tumen region - since 03.06.00 |
| 28 | Roller coaster "Crazy train-3" | 092.A.17.1.000 | 05.1999 | 092-3 | city of Yaroslavl |
| 29 | "Giant swings" | 074.K.02.1.000 | 05.1999 | 074-1 | city of Yaroslavl - since 28.05.99 |
| 30 | "Giant swings-2" | 097.K.03.1.000 | 15.07.1999 | 097-2 | Moscow, VVTs, refurb. to "MARS-360" - 23.08.00r; Novouralsk - since 25.09.01 |
| 31 | Roller coaster "Crazy train-4" | 092.A.17.1.000 | 08.1999 | 092-4 | Moscow, CPCL; Kazakhstan, Astana - since 03.06.00 |
| 32 | "Giant swings-3" | 100.K.04.1.000 | 08.1999 | 100-3 | Moscow, CPCL - since 08.99; VVTs - since 18.08.01, Chelyabinsk MU CPCL named after Yu.A. Gagarin - since 06.05.02 |
| 33 | Roller coaster "Rodeo" | 113.A.21.1.000 | 12.1999 | 113-1 | Kazakhstan, Atyrau, in operation since 26.04.00 |
| 34 | Roller coaster "Puss in Boots" | 107.A.20.1.000 | 12.1999 | 107-1 | Moscow, VVTs, Yaroslavl CPCL, in operation since 22.05.2000 |
| 35 | "Giant swings-4" | 102.K.05.1.000 | 01.2000 | 102-4 | France, Paris; Moscow - since 19.04.00; Alma-Ata - since 26.04.01; Moscow, RVA VVTs; Gelendzhik - since 06.07.02, Orenburg - since 05.2007 |



Amusement rides produced from 200 to 2002

| | | | | | |
|----|------------------------------------|----------------|------------|-------|--|
| 36 | Roller coaster "Wild train-15" | 116.A.23.1.000 | 04.2000 | 116-1 | France, Saint Paul - since 01.05.00 |
| 37 | "Panoramic wheel -15m" | 119.C.40.1.000 | 05.2000 | 119-1 | Yaroslavl, CPCL - since 06.06.00 |
| 38 | "Panoramic wheel -15m" | 119.C.40.1.000 | 05.2000 | 119-2 | Yaroslavl, VSTs "Spartakovets" - since 02.06.00 |
| 39 | Giant swings "Little sailor" | 120.K.06.1.000 | 05.2000 | 120-1 | Yaroslavl, CPCL - since 26.05.00 |
| 40 | Giant swings "Little sailor" | 120.K.06.1.000 | 05.2000 | 120-2 | Yaroslavl, VSTs "Spartakovets" - since 02.06.00 |
| 41 | Roller coaster "Rodeo-2" | 115.A.22.1.000 | 04.2000 | 115-1 | Moscow, park "Lianozovo", VVTs - since 19.05.00; Yeysk, CPCL - since 09.06.01 |
| 42 | Giant swings "Little sailor" | 120.K.06.1.000 | 06.2000 | 120-3 | Anapa;Moscow, VVTs - since 07.09.00, Gelendzhik, park "Admiral" - since 10.07.01 |
| 43 | Roller coaster "Puss in Boots" | 118.A.25.1.000 | 06.2000 | 118-1 | Anapa;Moscow, VVTs - since 07.09.00, Gelendzhik - since 10.07.01; Chelyabinsk, park named after Yu.A. Gagarin - since 05.06.02 |
| 44 | Giant swings "Wasp" | 121.K.07.1.000 | 07.2000 | 121-1 | city of Kogalym, Tumen - c 23.07.00. |
| 45 | Panoramic wheel -15 m | 121.K.07.1.000 | 07.2000 | 125-1 | Moscow, RVA VVTs; Gelendzhik, park "Admiral" - since 11.07.01 |
| 46 | Roller coaster "Rodeo -3" | 122.A.26.1.000 | 07.2000 | 122-1 | Moscow CPCL; Krasnoyarsk - since 14.05.2001 |
| 47 | Giant swings "Wasp" | 121.K.07.1.000 | 09.2000 | 121-2 | Moscow, RVA VVTs; Gelendzhik, Park "Admiral" - since 06.07.02; Mariupol, Ukraine - since 18.07.03 |
| 48 | Roller coaster "Wild train" | 117.П.24.1.000 | 10.2000 | 117-1 | France, Saint Paul - since 10.00 |
| 49 | Giant wheel -12 m | 123.C.43.1.000 | 04.2001 | 123-1 | Moscow, KMK-Nord, Association "Samolyot" - since 27.04.01 |
| 50 | Panoramic wheel "LOTTE"-75 m | 124.C.44.1.000 | 03.2001 | 124-1 | South Korea, Ulsan - since 19.08.2001 |
| 51 | Roller coaster "Puss in Boots" | 118.A.25.1.000 | 05.2001 | 118-2 | Blagoveshchensk , Amur region – since 20.06.01, Yuzhno-Sakhalinsk – since 24.08.03 |
| 52 | Roller coaster "Wild train – 8" | 130.A.11.1.000 | 30.05.2001 | 130-1 | city of Ufa, Park "Magic World" - since 23.06.01 |
| 53 | Roller coaster "Wild train – 8" | 130.A.11.1.000 | 13.06.2001 | 130-2 | Moscow, RVA VVTs - since 28.06.01; |
| 54 | Roller coaster "Wild train – 8" | 130.A.11.1.000 | 8.01.2003 | 130-7 | Ukraine, Kiev - since 06.05.03. |
| 55 | Roller coaster "Cobra" | 129.A.10.1.000 | 26.07.2001 | 129-1 | Kazakhstan, Alma-Ata - since 04.09.01 |
| 56 | Panoramic wheel -31m | 132.C.47.1.000 | 30.08.2001 | 132-1 | city of Surgut, delivery 10.2001 |
| 57 | Roller coaster (Bahrain) | 098.A.19.1.000 | 01.2002 | 098-1 | Bahrain - since 18.07.02 |
| 58 | Roller coaster "Wild train – 8" | 130.A.11.1.000 | 01.2002 | 130-3 | city of Kemerovo, LLC "Park of culture" - since 03.05.02 |
| 59 | Roller coaster "Wild train – 8" | 130.A.11.1.000 | 02.2002 | 130-4 | city of Chelyabinsk, MU CPCL named after Yu.A. Gagarin - since 06.05.02 |
| 60 | Giant swings "Wasp" | 121.K.07.1.000 | 10.2001 | 121-3 | city of Komsomolsk-on-Amur, MUP "Blagoustroystvo" - since 07.05.02 |
| 61 | Panoramic wheel-31m | 132.C.47.1.000 | 10.2001 | 132-2 | Kazakhstan, Astana - since 09.06.02 |
| 62 | Roller coaster (Al Mojel Projects) | 133.A.13.1.000 | 03.2002 | 133-1 | Saudi Arabia, Riyadh, park Al Marsa - since 16.08.02 |
| 63 | Giant swings "Wasp" | 121.K.07.1.000 | 06.2002 | 121-4 | city of Sovetskiy, Tumen region |
| 64 | Roller coaster "Puss in Boots" | 118.A.25.1.000 | 02.04.2002 | 118-3 | city of Komsomolsk-on-Amur, MUP "Blagoustroystvo" - since 30.04.02 |
| 65 | Roller coaster "Wild train – 8" | 130.A.11.1.000 | 06.2002 | 130-5 | city of Gelendzhik, park "Admiral" - since 06.07.02 |
| 66 | Roller coaster "Wild train – 8" | 130.A.11.1.000 | 12.2002. | 130-6 | Ukraine, Mariupol - since 18.07.03 |
| 67 | Free fall tower - 24m | 134.Б.03.1.000 | 05.2002 | 134-1 | Moscow, RVA VVTs; Yaroslavl PCL - since 24.05.02 |
| 68 | Roller coaster "Cobra" | 150.A.31.1.000 | 06.06.2002 | 150-1 | Gelendzhik, park "Admiral"; Moscow, VVTs- since 2009 |
| 69 | Panoramic wheel-31m | 132.C.47.1.000 | 29.08.2002 | 132-3 | city of Sovetskiy, Tumen region |
| 70 | Free fall tower - 12m | 154.Б.07.1.000 | 02.11.2002 | 154-1 | USA, Miami; Moscow, RVA VVTs - since 05.09.03 |
| 71 | Giant swings "MARS-120" | 140.K.08.1.000 | 12.2002 | 140-1 | Moscow, RVA VVTs 05.01.03-12.01.03, Yalta, Private company "Adonis" - since 03.03 |

Amusement rides produced from 2002 to 2017



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|-----|----------------------------------|----------------|------------|--------|---|
| 72 | Free fall tower | 153.Б.06.1.000 | 12.2002 | 153-1 | Ukraine |
| 73 | Free fall tower - 12m | 155.Б.08.1.000 | 12.02.2003 | 155-1 | Moscow, VVTs; Gelendzhik, park "Admiral" - since 26.05.03 |
| 74 | Panoramic wheel -31m | 132.C.47.1.000 | 02.04.2003 | 132-4 | Ukraine, Kiev - since 03.05.03 |
| 75 | Panoramic wheel-54m | 156.C.55.1.000 | 20.05.2003 | 156-1 | Belorussia, Minsk - since 26.06.03 |
| 76 | Roller coaster "Wild train – 8" | 130.A.11.1.000 | 06.2003 | 130-7 | Belorussia, Minsk - since 26.06.03 |
| 77 | Panoramic wheel -31m | 132.C.47.1.000 | 06.2003 | 132-5 | Ukraine, Mariupol - since 18.07.03 |
| 78 | Giant swings "Wasp" | 121.K.07.1.000 | 07.2003 | 121-5 | Ukraine, Mariupol - since 18.07.03 |
| 79 | Free fall tower - 24m | 157.Б.09.1.000 | 07.2003 | 157-1 | Ukraine, Mariupol - since 24.07.03 |
| 80 | Giant swings "Wasp" | 121.K.07.1.000 | 07.2003 | 121-6 | city of Langepas, Tument region - since 31.07.03 |
| 81 | Panoramic wheel-31m | 132.C.47.1.000 | 01.09.2003 | 132-6 | city of Krasnoyarsk, "PIKRA" - since 16.09.03 |
| 82 | Roller coaster "Wild train – 12" | 141.A.29.1.000 | 15.09.2003 | 141-1 | Spain (near Seville), Matreus Del Allor - since 03.12.03 |
| 83 | Roller coaster "Wild train – 12" | 141.A.29.1.000 | 26.01.2004 | 141-2 | Moscow, VVTs |
| 84 | Free fall tower - 38m | 152.Б.05.1.000 | 2004 | 152-1 | France, Saint Paul |
| 85 | Panoramic wheel -75 m | 145.C.53.1.000 | 2004 | 145-1 | city of Gelendzhik, park "Admiral" |
| 86 | Panoramic wheel -75m | 149.C.54.1.000 | | 149-1 | South Korea, Taegu |
| 87 | Roller coaster "Asteroid" | 138.A.28.1.000 | | 138-1 | Spain |
| 88 | Giant swings "MARS-120" | 146.K.09.1.000 | 05.2004 | 146-1 | Brest |
| 89 | Water slide "Khara-kiri" | | July2004 | 139-1 | Ukraine, Mariupol |
| 90 | Roller coaster "Wild train – 14" | 165.A.34.1.000 | Aug2004 | 165-1 | Austria |
| 91 | Roller coaster "Formula Pax" | 160A.33.1.000 | 06.2005. | 160-1 | France |
| 92 | Panoramic wheel -31m | 132.C.47.1.000 | 07.2005. | 132-8 | city of Uray |
| 93 | Panoramic wheel -31m | 132.C.47.1.000 | 09. 2005. | 132-7 | city of Krasnoyarsk |
| 94 | Free fall tower 17m | 176.Б.11.1.000 | 09. 2005. | 176-1 | city of Almet'yevsk |
| 95 | Giant swings "MARS-360" | 170.K.10.1.000 | 09. 2005. | 170-1 | Krasnoyarsk;Moscow, VVTs - since 2009 |
| 96 | Panoramic wheel-31m | 132.C.47.1.000 | 05. 2006. | 132-9 | city of Orenburg – 05.2006 |
| 97 | Giant swings "MARS-360" | 170.K.10.1.000 | 06. 2006. | 170-2 | city of Yekaterinburg - since 05.2007 |
| 98 | Free fall tower 24 m | 157.Б.09.1.000 | 06. 2006. | 157-1 | Ukraine, Dnepropetrovsk |
| 99 | Roller coaster "Wild train – 15" | 175.A.36.1.000 | 07. 2006. | 175-1 | Moscow, VVTs, Krasnodar LLC "AVM" |
| 100 | Free fall tower BSP-50m | 185.Б.12.1.000 | 11. 2006. | 185-1 | city of Yekaterinburg - since 05.2007 |
| 101 | Giant swings "MARS-360" | 170.K.10.1.000 | 12. 2006. | 170- 2 | Moscow,VVTs; Kirovograd (Ukraine) -since 04.2007 |
| 102 | Roller coaster "Cobra" | 187.A.38.1.000 | 2010. | 187-1 | Switzerland |
| 103 | Roller coaster "Formula-Mir" | 193.A.39.1.000 | 06. 2011. | 193-1 | Moscow, VVTs |
| 104 | Roller Coaster "Golden Arrow" | 178.A.37.1.000 | 08.2013. | 178-1 | city of Yaroslavl - since 08.2013, since 2014 - Pax |
| 105 | Giant swings "MARS-360" | 170 K.10.1.000 | 06.2014 | 170-4 | city of Yaroslavl - since 08.2013, since 2014 - Pax |
| 106 | Roller coaster "Formula-Mir" | 193.A.39.1.000 | 05.2016 | 193-2 | city of Kaliningrad |
| 107 | Roller Coaster "Lighting" | 178.A.38.1.000 | 05.2017 | 194-1 | city of Moscow, park Krylatskoe |