



Since 1988

# Pax Group Profile





Our company possesses an experience in development of concepts and master plans of theme parks of amusement rides.

We developed the project of “Admiral” park in Gelendzhik, “Moscow 850” park at VDNKh, Moscow.

We could propose to develop a concept of the amusement park with a giant panoramic wheel of new design as a central element of the park.

This park should include amusement rides of certain types, dimensions, given capacity and they should be relevant to the general park attendance; namely, how many million visitors a year are planned in the park, which residence territory the visitors to the park can be expected from, what is the anticipated number of tourists?

We can choose qualified companies for detailed development of the theme park plan, select suitable amusement rides of high attractiveness and affordable price and recommend a certification expert.

Some overseas operations are carried out by us through Lightspark Limited Company.

To create a modern park of amusement rides of high quality, attractiveness and safety, the best world experience is needed. We have quite an experience, which had been gained by us for 28 years.

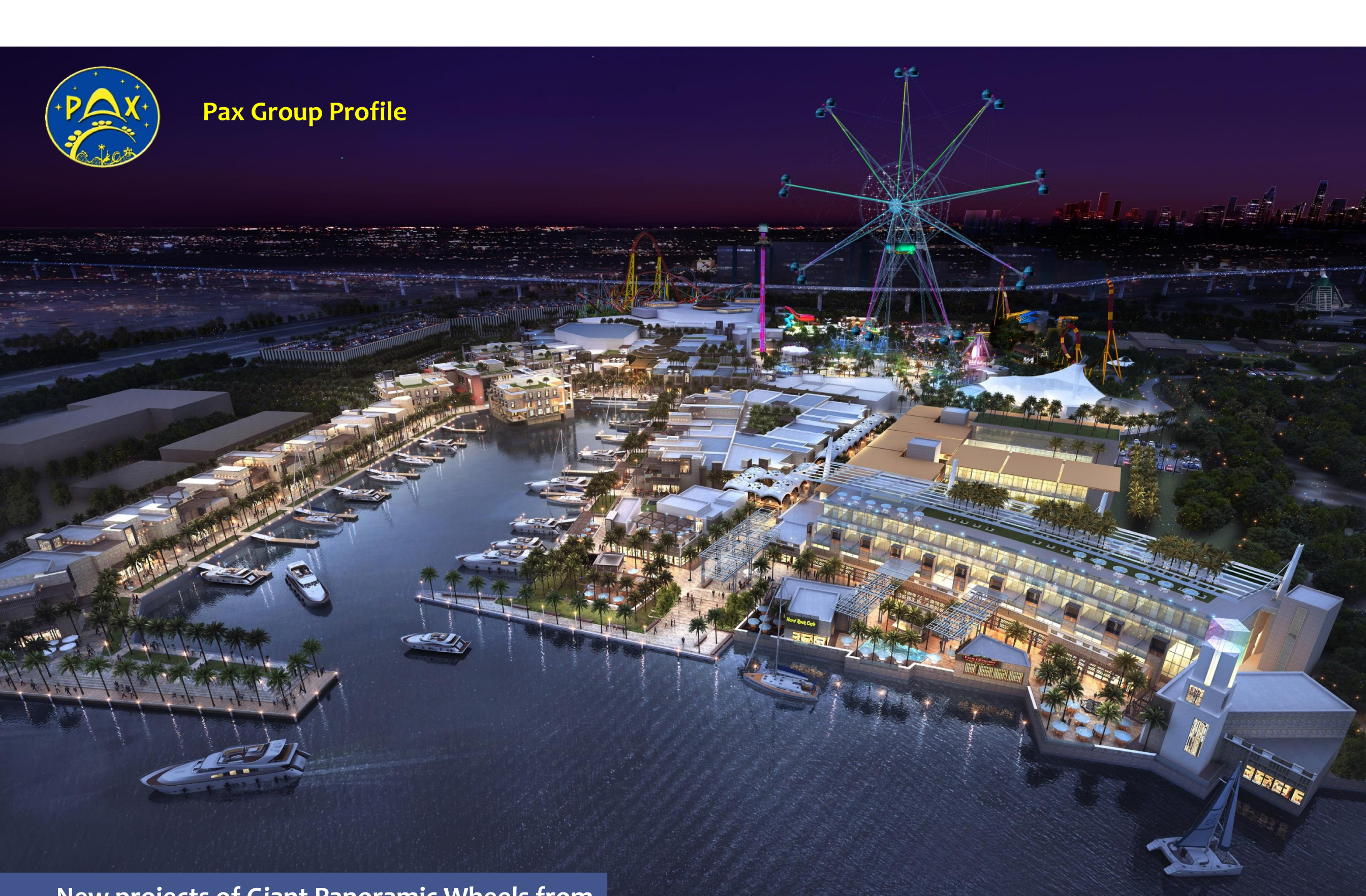
And we are in charge of the committee “Safety of amusement rides and amusement devices” of the International Organization for Standardization (ISO).



Panoramic wheel 180m in Istanbul, Turkey



## Pax Group Profile



New projects of Giant Panoramic Wheels from  
140 up to 200 meters



View of Panoramic Wheel of 180 meters



## 520 facilities designed and built in Europe, Asia, USA for 25 years



2013

- 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
- 1998 – major Roller Coaster for Saudi Arabia in King Fahad Park. Later, due to high popularity of the coaster, the park was renamed into Cobra Amusement Park.
- 1998 – the highest Panoramic Wheel in Europe in Mirabilandia park, Ravenna, Italy.
- 2001 - Panoramic Wheel 80 m in height on the roof of the 40 meters-building, Ulsan, South Korea
- 2012-13 - ISO/TC 254 under the guidance of Dr. V.Gnezdilov has developed 3 new world standards “Safety of Amusement Rides”.



Cobra, Dammam



Mobile Gantry in GSC



Wheel 90 m, Italy



Wheel 80 m, Korea



# Manufacture processes





- PAX Group of Companies was established in July 15, 1988;
- Pax Group of Companies has been on the International market since 1993;
- PAX Group of Companies base is the specialists with huge work experience in the aerospace industry;
- We create amusement rides and aerospace equipment;
- Our products are certified by TÜV SÜD (Munich) and by the Central Research Institute of Construction Structures named after Kucherenko (Russia), as well as by ISO 9000 in accordance with the Russian and European standards;
- PAX Group of Companies is the base organization for ISO/TC 254 Committee “Safety of Amusement Rides and Devices” of the International Standardization Organization (ISO);
- PAX Group of companies consists of:
  - Pax Design – design facility,
  - Pax manufacturing company – manufacturing facility,
  - Pax Company – transportation and assemble facility,
  - “Wheel at the All-Russian Exhibition Center (VVC)”,
  - Amusement rides park in Yaroslavl.





Certificate by TUV NORD (Germany) for  
Panoramic Wheel, Ulsan, Korea



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



**CERTIFICATE**

for the construction inspection and acceptance test  
issued by RWTÜV e.V. (Germany)


|                            |   |
|----------------------------|---|
| <b>The amusement ride:</b> | <b>Panoramic Wheel, 75 m in diameter<br/>Russia origin</b>                              |
| <b>Beneficiary:</b>        | <b>PAX DESIGN INT. CO., LTD<br/>MITINSKAIA ST. 30, MOSCOW, RUSSIA</b>                   |
| <b>Applicant:</b>          | <b>LOTTE TRADING CO., LTD<br/>Korea World Trade Center<br/>P.O.Box 61, Seoul, Korea</b> |
| <b>Ride Owner:</b>         | <b>LOTTE SHOPPING CO., LTD<br/>1 Sogong-Dong, Chung-Ku<br/>Seoul, Korea</b>             |
| <b>Contract</b>            | <b>No. PD-117 dtd. 23/10/2002</b>   |
| <b>Letter of credit</b>    | <b>No. M1614211NS00040</b>  |

This ride was inspected and approved in Ulsan in July 2001. The modernized ride was inspected and approved for operation in March 2003. The inspections were accomplished on the basis of the German DIN 4112, the Circular of the Minister for City Construction and Housing, Culture and Sports of the State of North Rhine-Westphalia dated 08.09.00 - IIB - 125, the Regulations for the Construction and Operation of Temporary Structures (FIBauR) - version 12/97 - and the VdTÜV Code of Practice "Material Handling Systems" 1507 - version 06/97 - Items 3.4 and 3.5 and the RWTÜV requirements.

The ride conforms to the safety requirements according to DIN 4112.  
RWTÜV-File-No. 4.2-130/00

Rheinisch-Westfälischer Technischer Überwachungs-Verein e.V.  
Essen, March 2003  
For the independent inspectors

  
 Dipl.-Ing. Weniger



10130-00.cert

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ CERTIFICADO ◆ CERTIFICAT

  
 Industrie Service

## Certificate

|  |  |
|--|--|
| <b>Subject:</b>                        | <b>SOYUZ IN GUYANA<br/>"MOBILE GANTRY"</b>   |
| <b>Registration no.:</b>               | <b>1525124</b>   |
| <b>Applicant:</b>                      | <b>Pax Company Ltd.<br/>30, Mitinskaya Str.,<br/>Moscow, 125430</b>  |
| <b>Confirmation:</b>                   | It is hereby certified that the above mentioned subject has been assessed by <b>TÜV SÜD Industrie Service GmbH</b> concerning the design review. |
| <b>Assesment</b>                       | The conformity evaluation was carried out mainly according to the standards EN 1991 and EN 1993  |
| <b>Report No.:</b>                     | issued Reports   |
| MG_Pax_PTU_1525124.ai1                 | 2010-12-14 Report on Design Review   |
| <b>This Certificate is valid until</b> | unlimited  |

Munich, 2011-02-10

  
 Dipl.-Ing. S. Kasper  
Head Certification Body  
Amusement Rides and Leisure Devices  
TÜV SÜD Industrie Service GmbH



  
 Dipl.-Ing. T. Uhrig  
Head Inspection Authority  
Amusement Rides, Parks and Structures  
TÜV SÜD Industrie Service GmbH

By DAP German Accreditation System for Testing accredited according to EN 45011 as Certification Body for Amusement Rides and Leisure Devices

TUV®



## Certificate for Mobile Gantry in GSC



Certificate proving that MG corresponds to the requirement of technical specification

## Space license



License issued for the fulfillment of aerospace activity up to May 20, 2016.



## Diploma for Golden Medal named after V.G. Shukhov



*International union  
of scientific and engineering  
public associations  
Russian union of scientific and  
engineering public associations*

# DIPLOMA

*Group of authors in the person of*

*Vladimir Gnezdilov  
Igor Barmin  
Vladimir Nikulin  
Zoya Kamyshan  
Michael Burkin  
Didier Coulon  
Jean-Marc Astorg  
Yannick Solana*

*is awarded by Golden Medal  
named after V.G. Shukhov  
for the creation of mobile gantry  
for "Soyuz-ST" Launch Vehicle for Guiana Space Center  
2013*

## Certificates of participation in space programme





РОССИЙСКИЙ СОЮЗ НАУЧНЫХ И ИНЖЕНЕРНЫХ  
ОБЩЕСТВЕННЫХ ОРГАНИЗАЦИЙ



ЦЕРЕМОНИЯ ВРУЧЕНИЯ  
ЗОЛОТОЙ МЕДАЛИ им. В.Г. ШУХОВА





## Mobile Gantry for SOYUZ space vehicles in Guiana Space Center, France





Panoramic Wheel 75 m in “Wheel in VVC” park, Moscow, Russia, was the highest wheel in Europe since 1995 till 1998.



Panoramic Wheel 90 m in Mirabilandia park, Ravenna, Italy, was the highest wheel in Europe since 1998 till 2000.



Panoramic Wheel 80 m on the roof of the 40 m building in Ulsan, South Korea, assembled in 2001 in co-operation with Lotte corporation.







Panoramic wheel 83m in Sochi, Russia , the highest wheel in Russia and Eastern Europe since 2012.



**Cobra**  
Saudi Arabia



“Cobra” roller coaster, the biggest on the Middle East, was designed and manufactured in 1998 in accordance with the request of Ali Al-Balucci, the Prince of Saudi Arabia for King Fahad Royal amusement park. Due to the high popularity of the amusement ride the park was renamed into Cobra Amusement Park.





**Cobra**  
Russia, Kazakhstan



“Cobra” roller coaster since the year of 2000 is one of the most popular and highest roller coasters in Moscow, in “Admiral” park in Sochi, and in Kazakhstan. In total we have manufactured 15 looping roller coasters.



# Formula Pax Russia, France



“Formula Pax” is a family roller coaster which was manufactured for the first time in 2005 for St. Paul Park in France, and then in 2010 for amusement park in Moscow. The roller coaster attracts visitors by its smoothness and at the same time by adrenaline at curves.



# Camel Trophy Riyadh, Saudi Arabia



“Camel Trophy” roller coaster was custom designed and manufactured in 2002 considering the landscape of Star City park in Riyadh, Saudi Arabia. The roller coaster was also built into the “Wild River” amusement ride situated in the park. The roller coaster was put into operation in 2002.



# Wild Train Austria



“Wild Train”, a family roller coaster for the Austrian Strasswalchen amusement park, was opened for public in 2004 and practically at once became one of the most popular amusement rides which increased the park income twice.



# Wild Train



“Wild Train”, a family roller coaster, was designed and manufactured by our company, and it has being successfully operated in Russia, Ukraine, Belorussia, Austria, Spain, and France.



# Giant Swing Mars 360, UFO Russia, France



The first giant swing (“UFO”) was manufactured by our company in 1994 for the Central Park named after Gorky in Moscow. Later on more than 20 modifications of the amusement rides were made, including “Mars-360” with full revolution, which still delight visitors of the amusement parks not only in Russia, but also in France (St. Paul park).





# Free-fall towers, 12-60 meters Russia, France



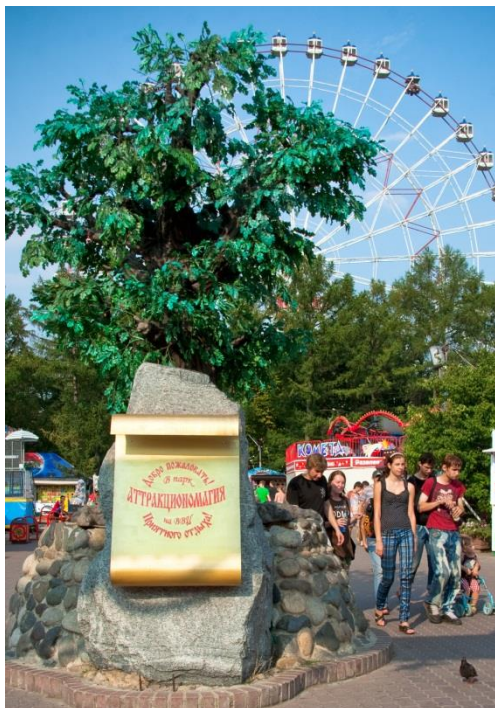
Starting from the year of 2002 our company has manufactured several dozens of free fall towers (FFT) starting from kiddie FFT with the height of 12 meters up to extreme FFT with the height of 60 meters. Except for Russia and CIS cities from the year of 2004 the free fall tower of 40 meters in height has being successfully operated in St. Paul Park, France.

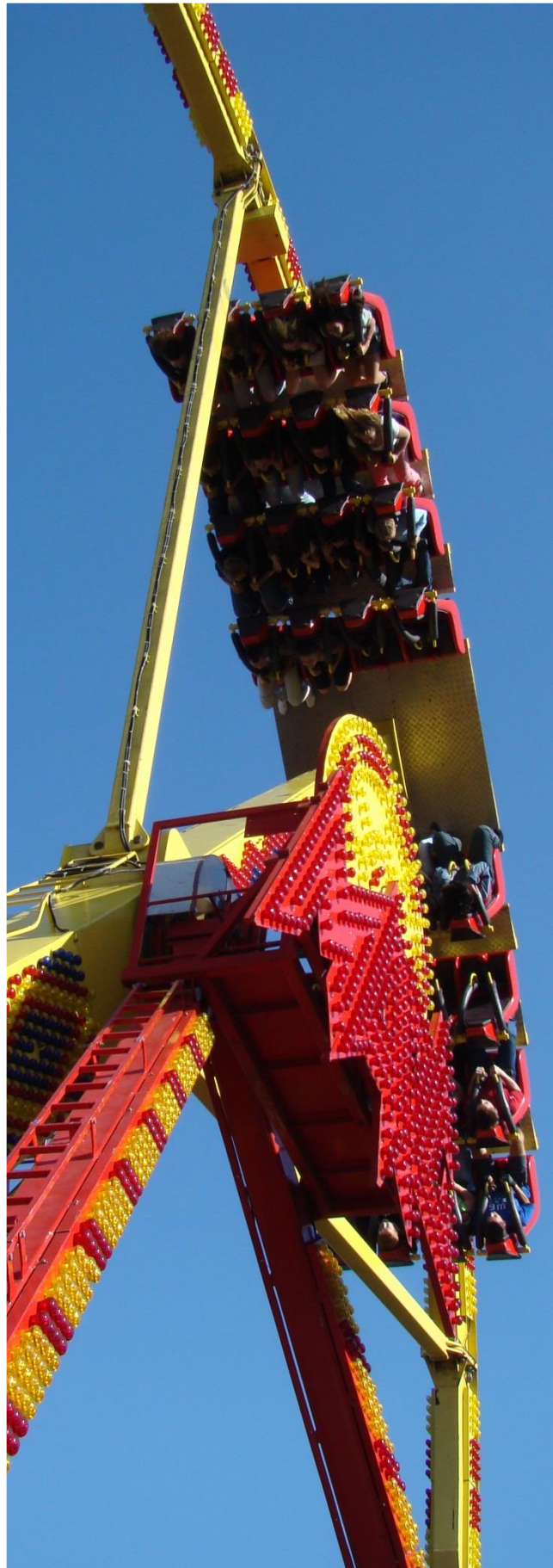


# Amusement park «Wheel at VVC» Moscow, Russia



Nearly for 20 years our company has been the owner of the amusement park in Moscow, at the All-Russia Exhibition Center (VVC). There are 20 kiddie and extreme amusement rides in this park. More than million of visitors attend the park annually.





Main amusement rides of the park «Wheel at VVC» - panoramic wheel and three roller coasters, including «Cobra» roller coaster.



Amusement park «Admiral Vrungel»  
Gelendjik, Sochi region



Amusement rides of the park «Admiral Vrungel» - panoramic wheel and three roller coasters, including «Cobra» roller coaster.





Panoramic Wheel of 125-200 meters



ВЫХОД



View from the cabin of Panoramic Wheel of 180 meters



## 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"                               | Б.01.1.000          | 24.06.1992г.        | 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" - 23.08.00г; 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 2014



|     |                                  |                |            |        |   |
|-----|----------------------------------|----------------|------------|--------|---|
| 72  | Free fall tower                  | 153.B.06.1.000 | 12.2002    | 153-1  | Ukraine   |
| 73  | Free fall tower - 12m            | 155.B.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.B.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.B.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.B.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.B.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.B.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       |



**Thank you for your attention!**

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