



La Grande
Roue de Paris
Moving Tradition



Giant Observation Wheel

Originally placed in Paris, France for the 2000 millennium celebrations. Its most famous guest at that time was Mr. Jacques Chirac (President of France at the time) who visited the wheel using the VIP gondola that was specially designed for this purpose. Due to the huge success Roue de Paris stayed at this spot for 2 years and many visitors enjoyed the beautiful view.



With Its Spectacular Lighting

the Wheel is visible for miles around. The observation Wheel gives its visitor a brilliant 360° panoramic view.



Key features

- 42 Closed gondola with a capacity of 6 persons each
- Starshapes on spokes (front & back)
- Platform made out of galvanized steel frames and equipped with fences and queue pattern
- Entrance roof with lighten
- Entrance covered from the front side till the gondola entrance
- Stairs with lighten
- Billboards
- Siemens control system with tft touch screen an wlan access
- 2 Cash booth equipped with;
 - Air-conditioning
 - 2 Workdesks
 - Comfortable seats
 - Spacious refrigerator
 - Vault
 - Led light (with dipswitch)
 - Wood finishings



Gondola

Roof is made out of fiberglass in a non-metallic RAL colour

Panoramic View

Tinted Window

Closed Gondola with Door Lock

Seats are made out of fiberglass in a non-metallic RAL colour

It has
42
closed gondola



VIP Gondola





Platform

The platform itself is made out of galvanized steel frames and is equipped with fences and the special TopStep anti skid aluminum profile.

A covered entrance from the front side till the capsule entrance. This entrance is decorated and illuminated.



A worker in a red safety suit is positioned on a complex steel structure, likely part of a large-scale construction project. The background is a deep blue, and the overall image has a monochromatic blue tint. The worker is seen from behind, looking towards the structure.

Health and Safety

We consider health and safety management to be of the highest priority and fulfill its commitments through an approved Health and Safety policy which is applied rigorously in all countries where we operate, specifically amended to conform to local regulations, though never diluting our high standards.

Each wheel is subject to a physical inspection every morning before opening to the public and an extensive point by point check is completed, recorded and sent to senior management for monitoring. Each wheel is inspected annually and between each removal and build-up by TUV and / or the same company who inspect the London Eye, Leisure and Technical Consultants Ltd (LTC) ADIPS certificate.

Technical Details

Wheel height	approx. 60 m
Wheel diameter	approx. 52 m
Height main axle	approx. 29 m
Number of gondolas	42
Number of spokes	21
Revolutions	2 speed possibilities. Ca. 0,8 and 1.2 rpm.
Wind and weight calculations	DIN 1055 and DIN 4112
Load per gondola	8 pers. Each 75 kg. = 600 kg
Theoretical hourly capacity	1500 persons
Base width	approx. 25 m
Base depth	approx. 20.45 m
Loading mode	3 or 6 gondolas at a time

Main construction:

The construction consisting out of eight (8) supporting masts, which are made out of round tubes, will support on a full size base frame. These masts are put together in a so-called Aframe in opposite of each other. The space between the A-frame, at ground level, is the width of the Wheel, and the prescribed free space. The prescribed free space will be determined on the basis of safety calculations. The A-frames will be connected to the main axle of the Wheel at the highest point of the Aframe.

The function of the main axle is to support the spokes, which support the outside ring, and to make sure that the whole construction can rotate. On one side the spokes are connected with the main axle, and on the other side they are connected with the outmost ring. The outmost ring is made of forty-two (42) ring beam elements.

Drive System:

A Siemens S7 400 PLC, digitally controls the fully automatic drive and loading system. This system is connected to a Siemens Simatic PC, FI45 with a 13,3" full colour active LCD, keyboard, mouse-path, CD-ROM Drive and suitable connection to the Internet and E-mail for online back up service. The software is based on Microsoft Win CC. The control system is supplied with power indication, default indicator and logbook. The total control system is already suitable for a central maintenance info system. The control system can be installed in a 20ft. Box container. The chosen drive system is a friction drive comprising four (4) individual drive-units using rubber wheels. Powered by digital Simorec power converters. In order to assure the appropriate friction of this system the outer rim of the wheel will be coated with a special material to ensure friction. Needed power supply for drive system 380/440 V 50/60 Hz. The control system has an evacuation mode with battery back up system, in case of power failure.

Conservation:

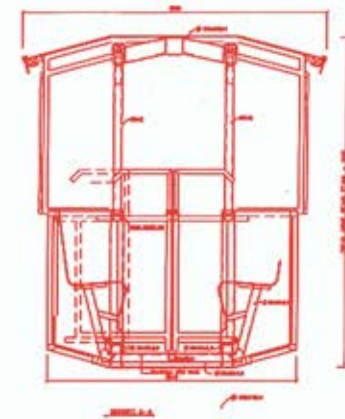
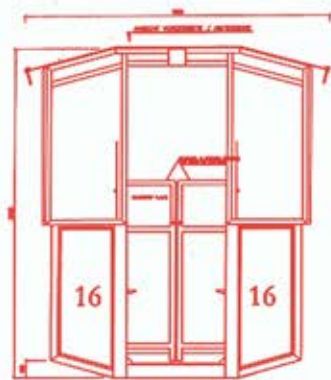
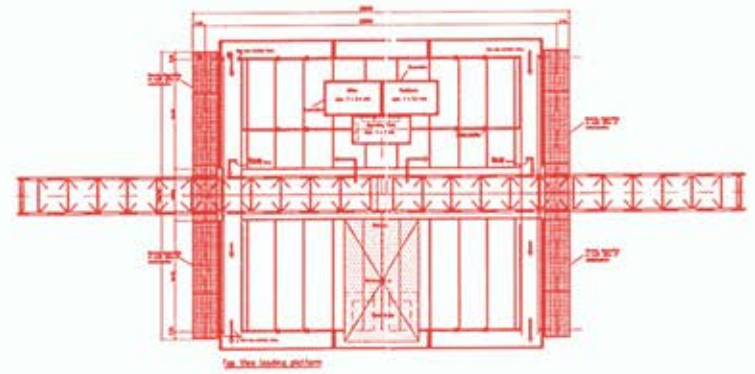
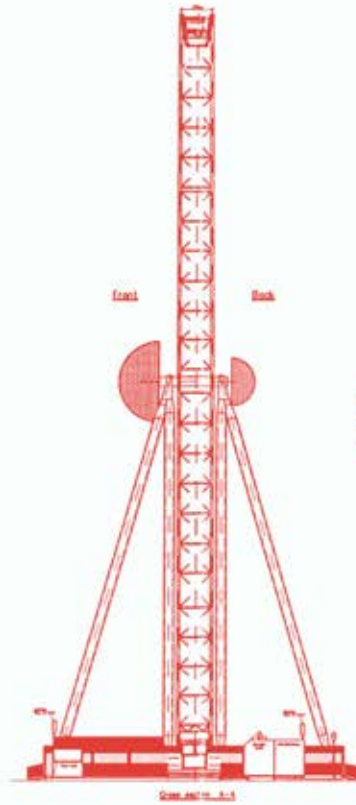
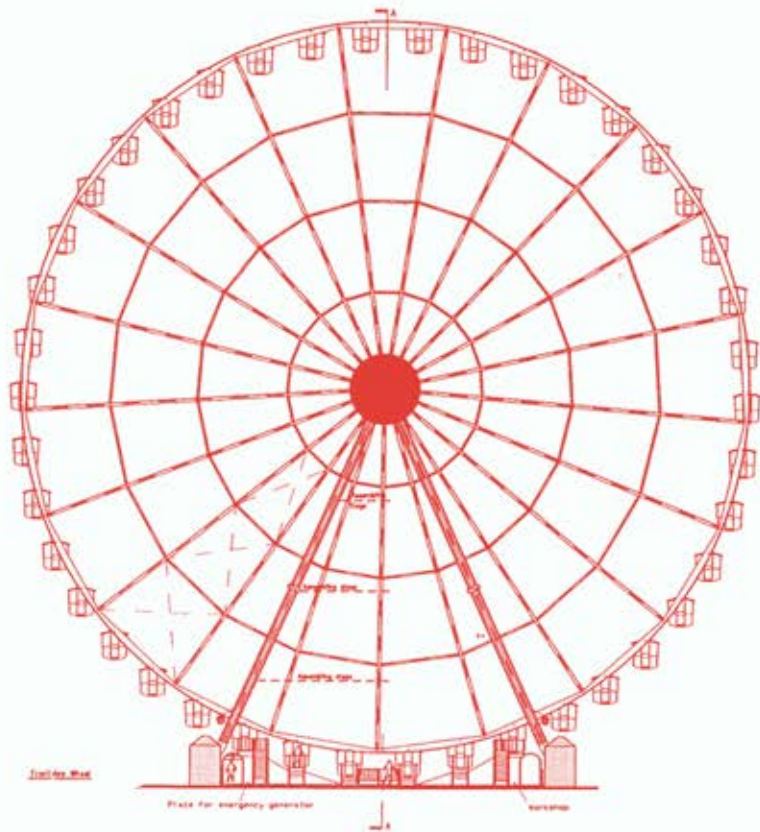
Mast tubes, spokes, drive ring sections and main axles are sand blasted SA 2.5, twice grounded and once painted with a topcoat.

Priming coat : 40 µm.
Second coat : 100 µm.
Topcoat : 40 µm.

The conservation will be carried out with a warranty certificate of the paint supplier.

Technical standards:

The wheel is designed, calculated and manufactured according DIN 4112 TUV Germany, and approved.





Small blue informational plaque below the first two framed photographs.

Small blue informational plaque below the third framed photograph.

Creating memories



Champs Elysees

France - 2000



Bangkok

Thailand - 2007



Lyon

France - 2011



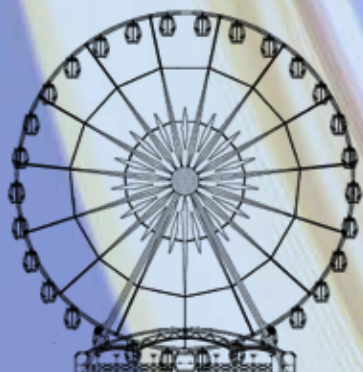
Rimini

Italy - 2014

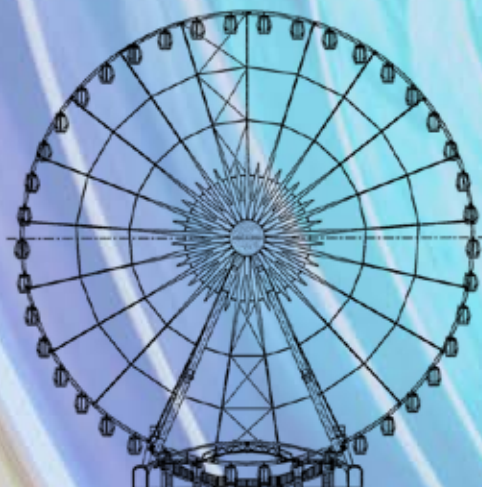
World Largest Owner & Operator of Amusement Rides & Giant Observations Wheel



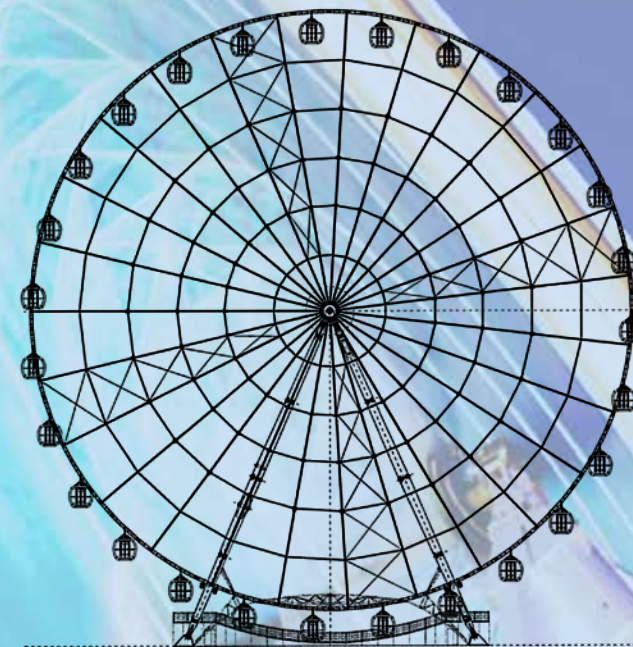
Paronama Wheel - 33m



City Star - 40m



Pearl Wheel - 60m (3 different wheel theme)



Freij XXL - 80m



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