



TECHNICAL DOSSIER

OLYMPIC STADIUM

2020

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GENERAL TECHNICAL DETAILS

□ MEASUREMENTS AND OTHER DETAILS

- 9 lane, 400m, Sport flex synthetic athletics track (each lane is 1.22m wide)
- 113m warm-up track. Minimum width 7.30m, maximum width 8.70m
- Central, natural grass field area measuring 107.5m x 70.5m. Playing field area: 105m x 68m.
- Grass surface area: 8000m² (approx). Track surface area: 11.000m² (approx).
- Semi-circular area in the south zone: maximum width of 100 meters. Length from the end of the playing field to the tunnel entrance 38 m, from the goalmouth area to the south tunnel entrance 35 m. This space is normally used for setting up the stage area for concerts.
- South tunnel service gate (4,30 m wide x 4,20 m high).



GENERAL TECHNICAL DETAILS

❑ ELECTRICAL SUPPLY

- Two independent supplies of energy 25 kV
- 500 kVA electricity generator for emergency lighting and evacuation
- Two power supply cabinets, one in the south trench (200 kW) and another in the exterior car park M9 (100 kW).
- Cabinet at level 98, behind the director's boxes. Power: 1 outlet of 63A, and another of 32a
- Cabinet on the Esplanade access 6 enclosure. Power: 1 outlet of 32A

❑ LIGHTING SYSTEM

- 381, 2.000 W/400 V/956 projectors
- 5 levels of lighting. See sports lighting

❑ SPORTS LIGHTING (LUX)

- Athletics general 294 Lux
- Athletics General TVC 1.975 Lux
- Football 321 Lux
- Football Competition 1.013 Lux
- Football TVC 1.881 Lux



GENERAL TECHNICAL DETAILS

□ CAPACITY

The Olympic Stadium has different maximum capacities in order to the type of event

*to check



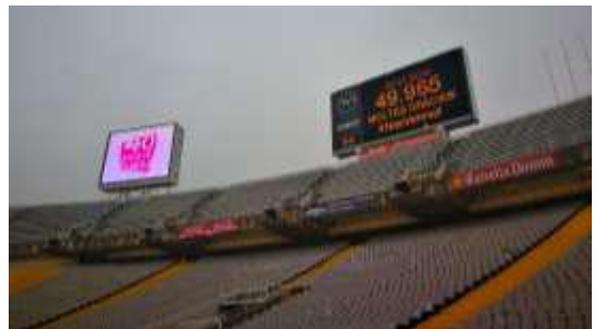
EQUIPMENT

□ ODECO ELECTRONIC MATRIX SCOREBOARD

- Useable surface area 9,000 x 14,400
- Resolution 120 x 192
- Pixel size 75 mm
- The scoreboard has a giant, built-in analogue clock and a chronometer display.
- The PC controlling the scoreboard is able to handle statistical data from other networks and include an external chronometer and, as it is able to emulate black and white images, can reproduce video images. This also means that PowerPoint presentations can be made with the help of a convertor.

□ ODECO SMARTVISION 3G DISPLAY

- Colour video screen
- Real pixel size, 18mm
- Screensize 8'8m x 12'8m
- Useable surfacearea 114'6 m²
- Resolution 688 x480 pixels



EQUIPMENT

□ BOOTH:

- The booth works with SDI and HD SDI video, accepts analogue PAL signals and has the following equipment:
- PC format video continuity player.
- Two PCs equipped for playing PowerPoint presentations (office 2007 version).
- Betacam Player - model J3.
- Dvcam Player.
- DVD player.
- Xdcam Player and Recorder.
- Fixed camera for the reproduction of opaque images.
- Indigo video mixer.

□ NETWORK OF CONNECTIONS:

In the athletics track trench there are four connection boxes situated at an equal distance and each one is equipped with three video connections. Each connection goes straight to the video control booth. Analogue or digital video signals can work depending on the length of additional cabling. For digital signals, maximum additional cable length needs to be reduced or an active element introduced.

EQUIPMENT

□ PA SYSTEM

- Three desks, for public and security/safety announcements, are located in rooms with restricted access and a fourth desk that can be configured for announcements in the athletes area.
- The safety/security desks have maximum priority and can interrupt the music or sports programme/event in extreme cases.
- The PA system distributes the messages in 15 different internal areas, two levels in the public access areas and three levels in the stands and at pitch level.
- The lower stands have a sound system with 46 speakers and the upper ones with 40. The pitch area is covered by 14 powerful loud speakers located in the roof, specially designed for voice and music.
- The sound-proofed control booth has a 24-2-8 sound mixing desk for controlling the sound of:
 - Video room, 2 CD players, 2 commentary microphones, UMTV sound, Other systems, 3 wireless microphones.
- Sound can be sent and received, via the booth's patch panel, to the following points. XLR F base format □ ODECO 3G cabinet, Commentators' walkway, radio, TV, Existing boxes in the trench, Connections in the directors box area, Booth intercommunication system, track/pitch/stands. Simultaneous communication by cable (Clear-Com).

VIP AREA

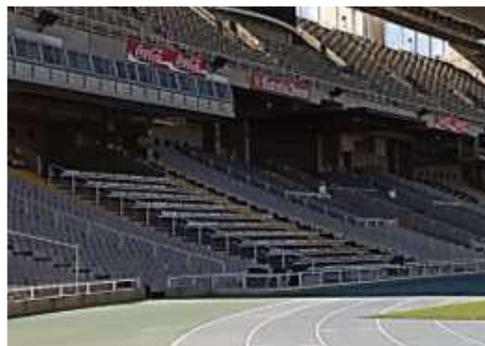
❑ VIP BOX

- VIP box with 240 places (96 in the executive/director's box and 114 in the lower box).
- Lift at level 0 (VIP entrance) up to the box level.
- Two offices in the interior zone communicated with the exterior boxes. Indoor area(200 m2) for banquets of up to 150 people, with the possibility of more by using part of the access corridor (4,5m x 36,5m). Box roof (5 m in height)
- 4 WCs.
- Exterior area (78.50 m2)



PRESS AREA

- ❑ Specific press stand with 176 places (11 rows with 8 tables per row and 16 seats per row), with the possibility of a telephone connection.
- ❑ Press room/auditorium for conferences and press conferences (located at ground level, level 86), with a capacity of 168 people, equipped with a DIGITAL projector (for PC- VGA and VIDEO PAL- BNC formats), DVD player, 3 microphones on the desk ,one on the stand and two wireless. There is an audio connection box for journalists. Screen size 2.45m x 10.20 m. Ceiling measurements are 2.65 m at the lowest part and 4.95m at the highest.
- ❑ Two annex rooms to the auditorium, each one 323 m2.
- ❑ Press room with a capacity of 45 people, located Level 89.



OTHER SPACES

- ❑ Several rooms for different uses at different levels of the venue.
- ❑ 14 changing rooms equipped with showers:
 - 4 Big Changing Rooms 125m²
 - 6 Medium Changing Rooms 70m²
 - 4 Individual Changing Rooms 15m²
- ❑ 5 infirmaries/medical rooms for the public.
- ❑ Calling area (for athletics competitions) 312 m², for use as a storage area or independent space



SERVICES

□ FOOD & BEVERAGE

- 2 levels of bars located around the perimeter of the stadium. Restaurant, managed by ARAMARK: “Olympic Sports Café”, with a capacity of 60 people. This restaurant provides a daily, self-service type buffet.

□ MERCHANDISING

- A fixed point of sale in the northern section of the stadium, “Marathon Gate” entrance

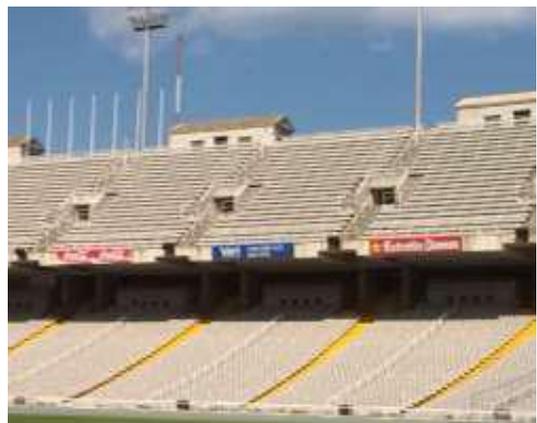


ADVERTISING

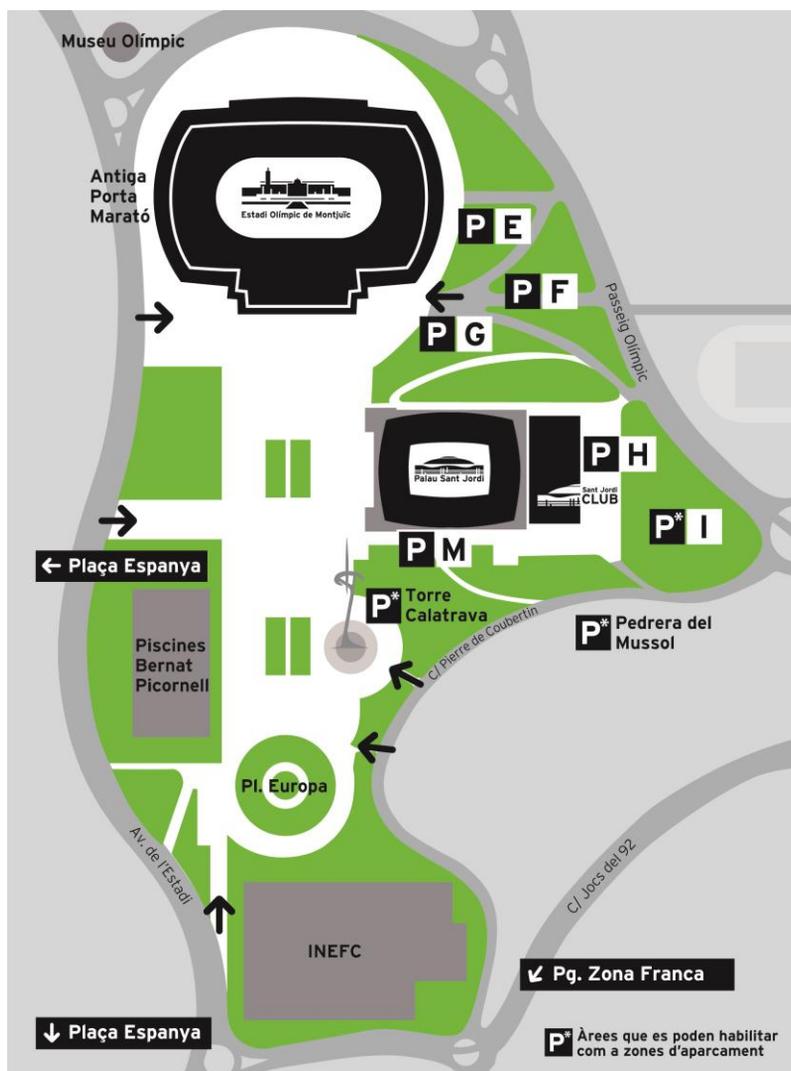
In the second stand level there are advertising banners of the sponsors These must be respected in all the events that take place in the installation. The promoter can place advertising in those spaces that are agreed with the venue

Antlers for flags: 24 in the north goal, 10 in the south goal, 7 in VIP area (East zone).

Events agenda: www.palasantjordi.cat / www.santjordiclub.cat / www.estadiolimpic.cat



PARKING AREA



. **PARKING E** 4.645sqm
(185 lots).

. **PARKING F*** 1.800sqm
(80 lots).

. **PARKING G*** 2.000sqm
(90 lots).

. **PARKING H** 2.000sqm
(150 lots).

. **PARKING I*** 7.300sqm
(326 lots).

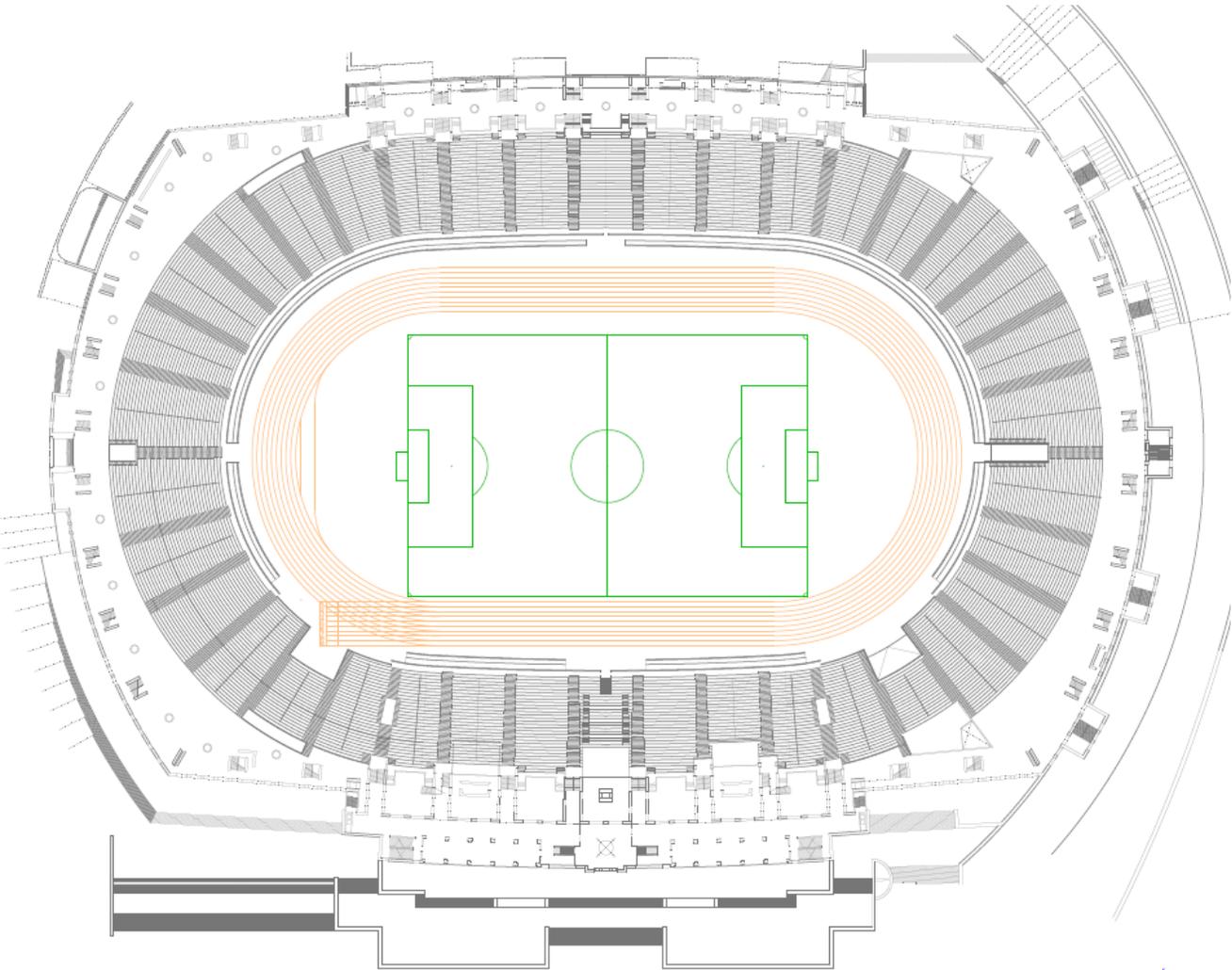
. **APARKING M** 1.600sqm
(70 lots).
Direct access to VIP area.

. **PARKING Torre Calatrava***
(300 lots).

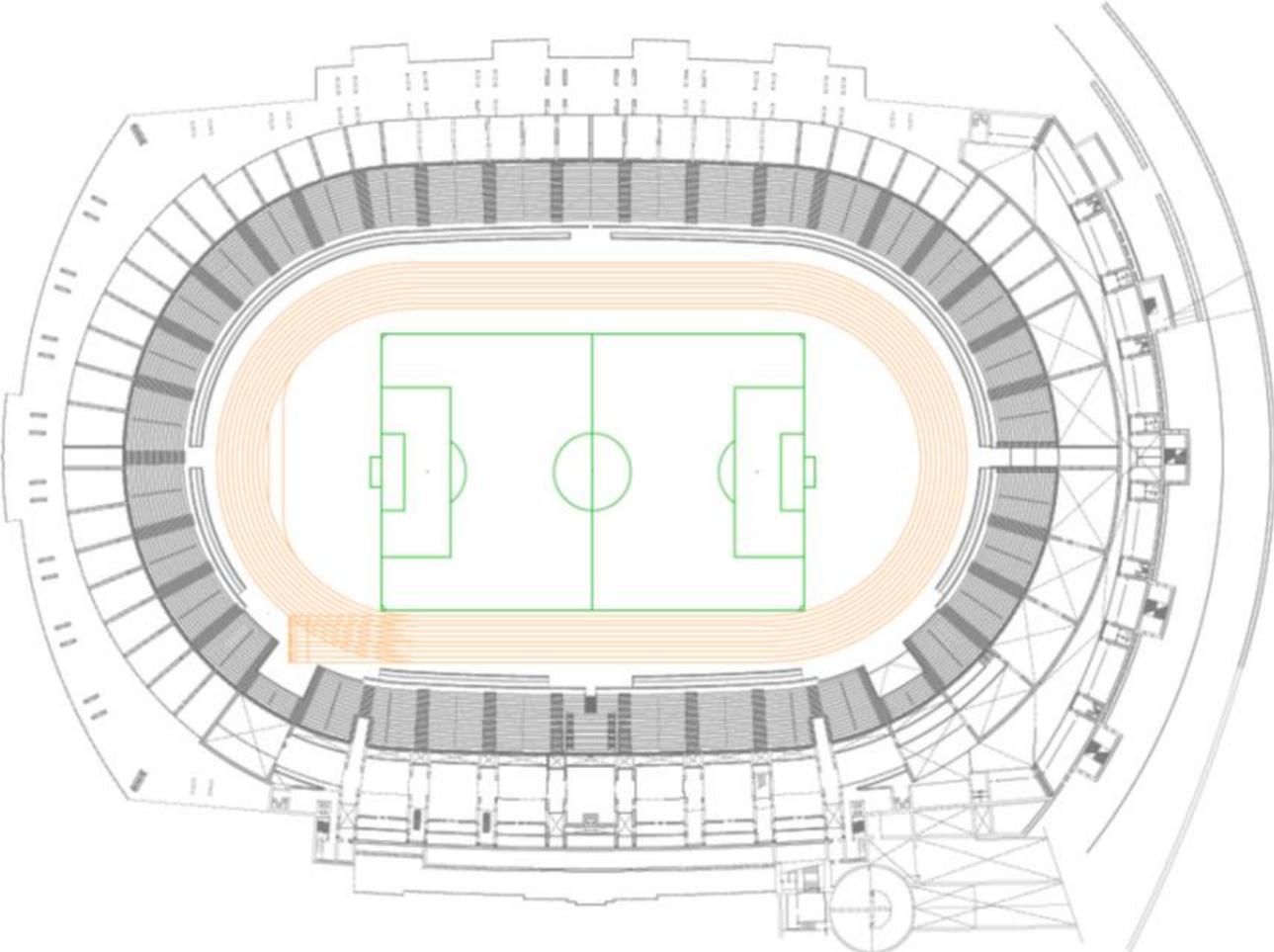
. **PARKING Pedrera del Mussol***
(570 lots)

*These car parks are located on public roads. Permission may be granted to use them on request.

FLOOR PLAN –“PUBLIC ENTRANCE”



FLOOR PLAN – “GROUND”



CONTACT

Sales and booking

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