

Auditorium CCIB Forum Technical Data Sheet



Historical and cultural context

Located in the Diagonal Mar zone, Auditori Fòrum CCIB is an integral part of the **CCIB** (Barcelona Conventions Centre) which, to mark the inauguration of the Barcelona Universal Forum of Cultures, opened its door in **2004**. The Auditorium CCIB Forum shares a building with the Museum of Natural Sciences.

Name: Auditori Fòrum CCIB

Architects: Jacques Herzog & Pierre de Meuron

Chronology 2004

Materials: Reinforced concrete, shotcrete, glass and stainless steel

Location: Barcelona

Building

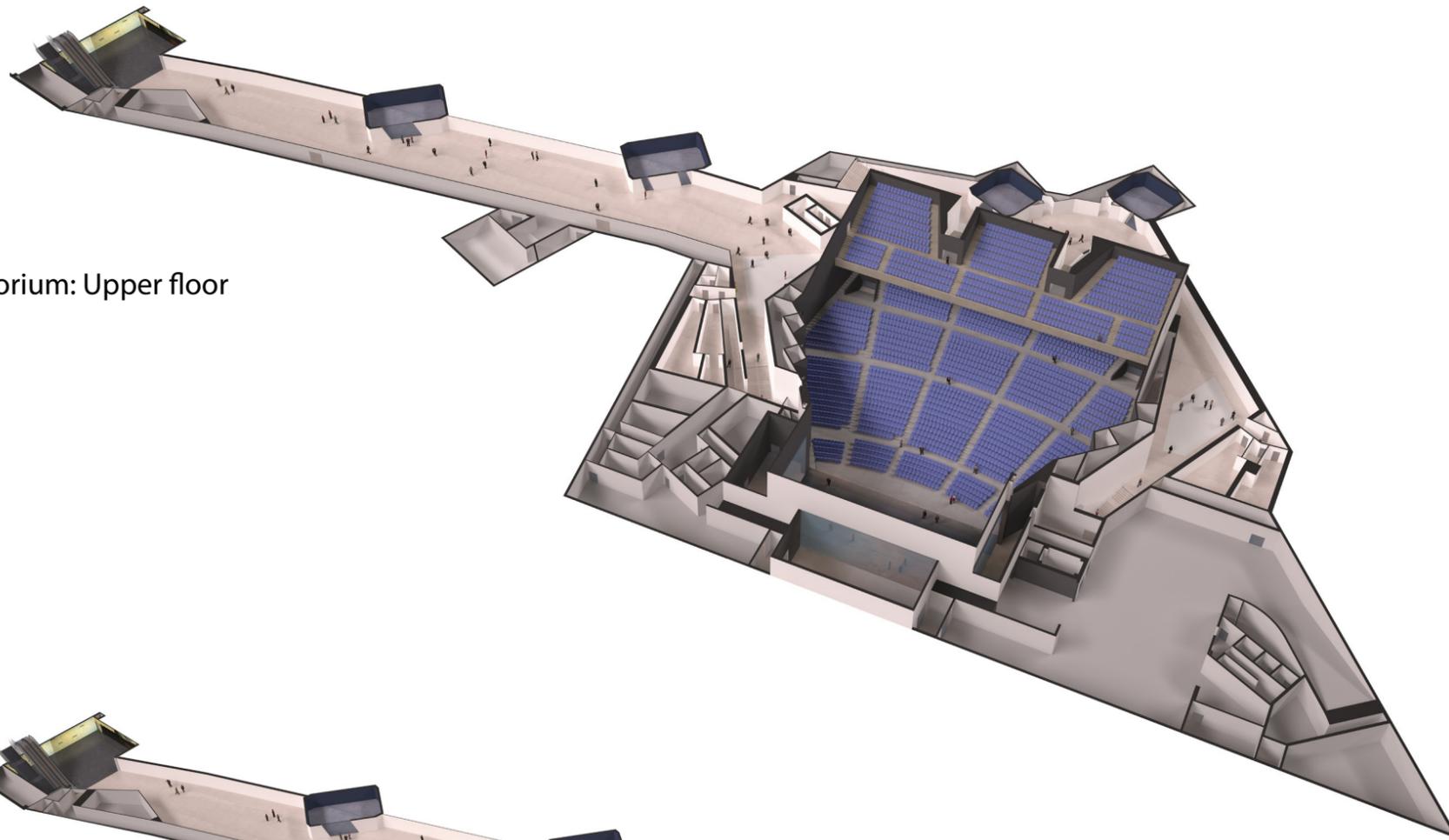
Designed by architects **Jacques Herzog and Pierre de Meuron**, the **Auditori Fòrum CCIB** is a work of great architectural significance as it is a prism with an equilateral base measuring **180 metres wide and 25 metres high**. Its rugged indigo-blue façade is criss-crossed by several strips of glass reminiscent of water spilling from the roof. The building is suspended in the air by **17 points of support**, thus creating a covered space for public use at street level.

The shape of the courtyards emerges from the juxtaposition of the two directions of urban planning of the Cerdà Plan and the cut of the Diagonal. Geometric spaces, changing tones with light, stained glass windows and a kaleidoscopic metallic interior are some of the features that contribute to the building's strong personality. Inside, the stands of the **Auditorium CCIB Forum** were built of a material not previously used for paving: wood, on which a continuous black terrazzo pavement was applied based on episodic resins and marble aggregates. The floor of the amphitheatre is covered with a black acoustic carpet.

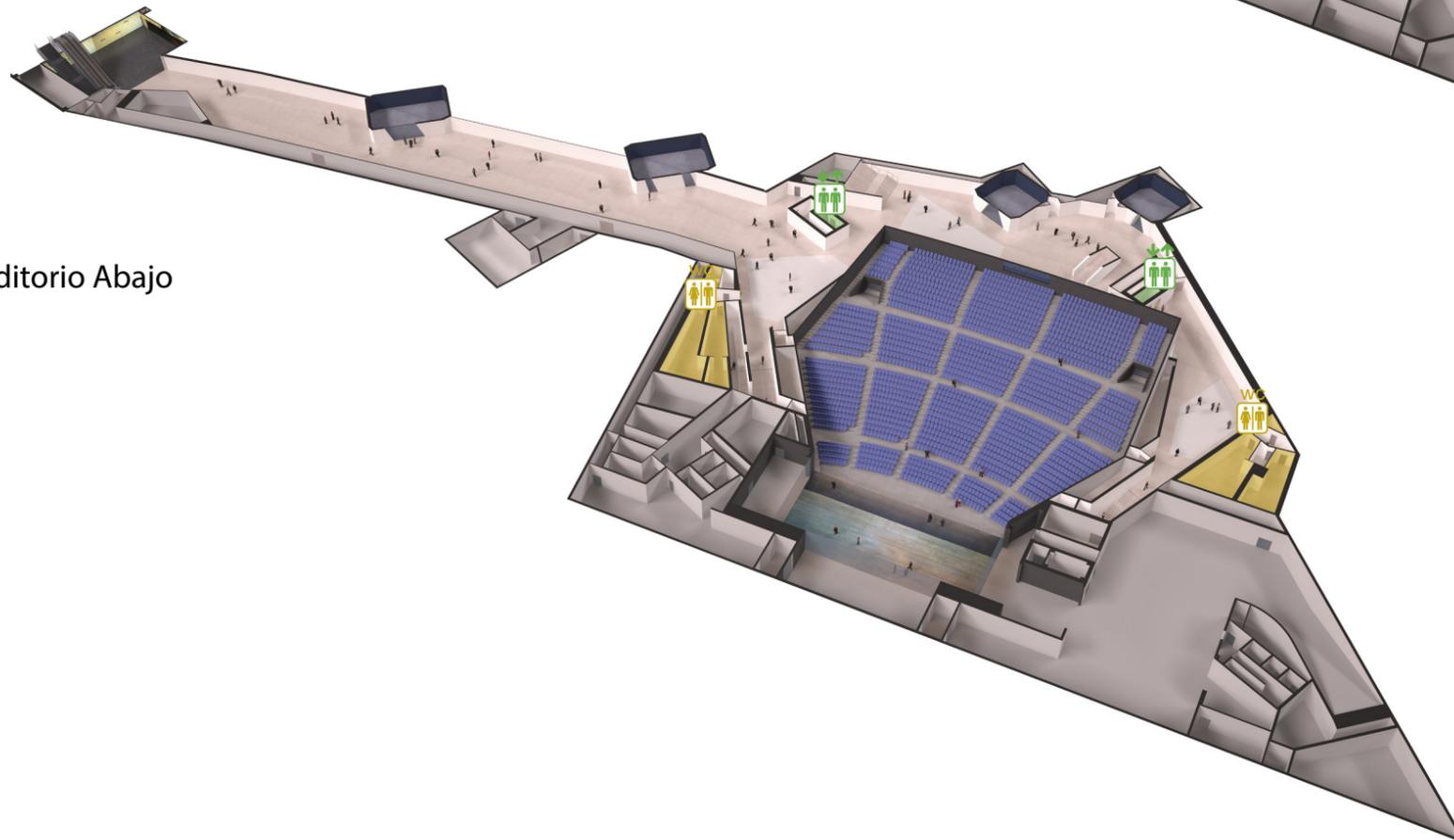


Capacity

Auditorium: Upper floor



Auditorio Abajo



- Capacity for **3.084 people** distributed on two floors:
- Stalls with **2.341 seats** + 12 places for wheelchairs (foyer of 1890 m²)
 - Amphitheatre/mezzanine, with **743 seats** (foyer de 450m²)

As well as 12 fixed spaces for wheelchairs in the stalls, other places can be adapted (2 seats for each wheelchair)..

The total surface area of the stalls is **2.072 m²**.

Stalls



With **6 access doors** from the foyer (one of them is adapted) the stalls of the Auditorium CCIB Forum have **2.341 seats and 12 spaces** reserved for PRMs*

* Zone set up for wheelchairs



Amphiheatre

The **Amphiheatre** or **Mezzanine** of the Auditorium CCIB Forum is the part situated on **floor P1** and has a capacity of **743 seats**.

This is the part above the stalls (Floor S0).

Stage



Usable dimensions :

Total surface area: **420 m²**

Length: **30 metres.**

Width: **14 metres.**

Height (from the stage to the base of the grid): **14,2 metres.**

The floor of the stage is divided into two parts: the first half is made of wooden flooring laid on wood and the other half is made of wooden flooring on the pit.

The wooden floor is made from wood panels.

The live load of the stage is **500 kg/m².**

Stage



The stage is equipped with an American opening system with a **400 m²** black velvet Chopin curtain with a fixed non-programmable end of travel. It consists of two sections: 17 m wide and 14 m high.

The stage is also equipped with a lateral concealment system consisting of 3 legs per side with dimensions of 4 m wide and 15 m high.

Regarding the hall's acoustics, there are specially designed curtains to prevent the rebound of sound waves and dampen reverberance..

To the side of the stage, there is installed an electrical switchboard of **630 A** and **400 KW** that adapts to all the event formats that are held in the Auditorium CCIB Forum.

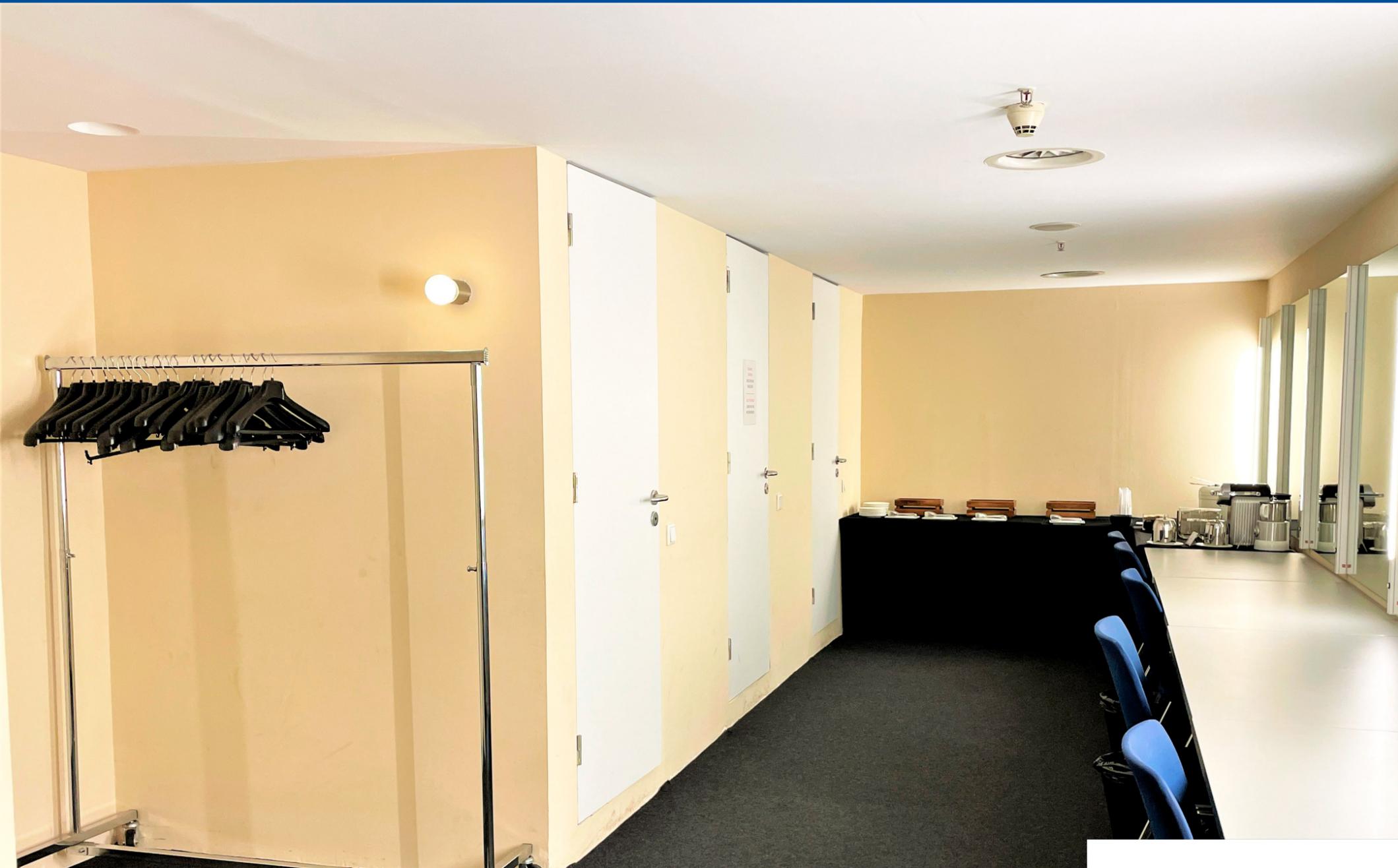


Auditorium Foyer

With direct access from the **Auditorium CCIB Forum** from the street or via the **CCIB Connecting Walkway**.

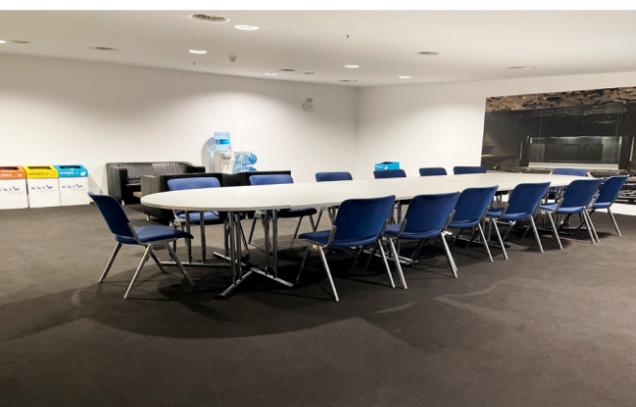
It's a clear, open-plan and pillar-free structure that can have different ambiances. It can be used for inspection, as a cloakroom, for coffee breaks, cocktails, filming, etc.

Dressing rooms

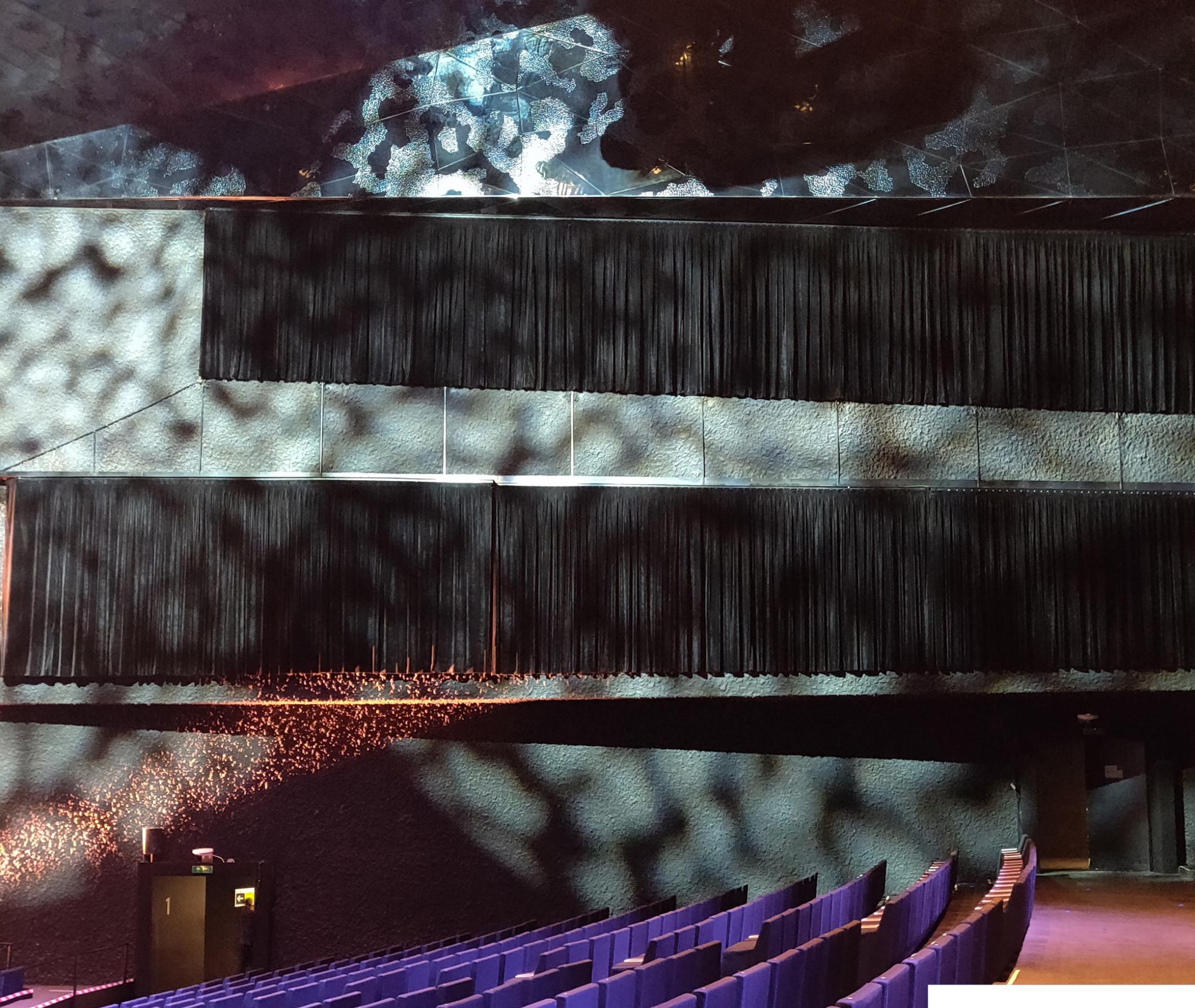


10 dressing rooms with different furnishings and dimensions (tables, chairs, clothes racks, sofas, etc.) located on the upper floor and accessible via stairs and a lift from **Backstage**, the loading area and the Foyer of the stalls (next to door 6).

In addition, they have access to two bathrooms with shower and a multi-purpose space normally used as a **Green Room**.



Translation booths



5 simultaneous interpreting booths integrated in the building.

1 Bosch Digital simultaneous interpreting system.

Grid and Walkways

On the stage there are **7 motorised rods** with dual brake motors and no memory; one of them is in constant use via the screen.

Each rod is 27 metres long. They support a maximum shared load of 750 kg, which can safely handle with all assurances the hanging of curtains, light stage props and lighting.

Gallery 1

Motorised spotlight 1 proscenium
(maximum load 750 kg)
Sound equipment with fixed installation.
Option of creating rigging points
(see “Rigging Points”)

Gallery 2

Tubular rail for fixed lighting.
Option to create rigging points.
(See “Rigging Points”)

Gallery 3

Tubular rail for fixed lighting.
Option to create rigging points.
(See “Rigging Points”)
Location of front lighting

Stalls

Option of creating rigging points
(see “Rigging Points”)

Flyloft

Fitted with 6 legs measuring 15 m x 4 m
1 main drop curtain with manually adjustable height
2 drop curtains located on walkways 2 and 3

Motorised American curtain Motorised rods from
1 to 6 (maximum load 750 kg per spotlight)
Motorised rod 7, motorised front screen
measurements: 16 m x 9 m

Load beams above stage grid.
Option of creating rigging points
(see “Rigging Points”)

Technical materials

Rigging points

All the hoisting equipment and rigging points will be installed and handled by staff of the centre.

These points will be inspected and certified by an architect.

Sound

Yamaha CL5 sound desk + auditorium P.A.

Auditorium sound system includes:

22 Martin W8LC + LAB GRUPPEN Amplifiers + XTA DP6

8 Martin SUB-S18 + LAB GRUPPEN Amplifiers + XTA DP6

8 Martin W-TUB + LAB GRUPPEN Amplifiers + XTA DP6 (Front Fill)

4 Amadeus MPB200 + QSC Amplifiers (Out Fill)

4 Amadeus MPB200 + QSC Amplifiers (Stage Monitor)

Pack Intercom Auditorium (4 x control + 2 x stage)

Wireless hand microphone Shure AD series

Wireless lapel microphone Shure AD series

Microphone Shure MX 418D

D.I. Klark Teknik

Lighting

Avolite Arena lighting desk

30 LED Robe T11 spotlight

8 Martin Mac Quantum Wash

8 Martin Mac Viper Profile

24 Martin Mac 101

Video

Screen 16m x 9m

Projector: Barco HDF-W30-FLEX 30.000 lumens + lens

System Barco E2

DVI D.A.

Monitor LED 55" + Support

Cue light

Interpreting

Dual interpreting booth (5 included in the space)

Bosch digital transmitter

Digital CCU Bosh

Bosch Digital consoles

20 Bosch digital radiators

Bosch digital receivers

Stage electricity

The electrical sockets are situated on the left-hand shoulder of the stage.

Stage:

4 three - phase 400V 32A sockets
1 POWERLOCK (250 Amp)
1 three- phase 400V 125 Amp socket
1 three- phase 400V 63A socket

ALL CONNECTIONS OF MORE THAN 50 Kw
REQUIRE AN ELECTRIC PROJECT

Amphitheatre:

4 single - phase 400w 32A sockets

Foyer:

10 single- phase Schuko 220V 16A / 3.3Kw sockets

Connecting walkway:

10 three- phase 400V 32A sockets /10x20 Kw=200Kw

Auditorium booth

Normal current:

2 three-phase 400V de 63A sockets
2 three-phase 400V de 32A sockets
12 single-phase 230 V 16 A sockets

SAI stabilised current:

10 three- phase 400V 32A sockets
3 single phase 230V de 32A sockets
2 three- phase 400V de 63A sockets

Wiring

The Auditorium CCIB Forum has a basic wiring to service the different spaces.

This wiring is suitable for audio, video, data networks and telephony. This it provides a series of points from which an installation can be deployed for a specific event.

If the existing wiring is insufficient for the event, the centre can offer a solution to the project in question. This may include copper cable wiring (coaxial, twisted pair) or fibre optic cable (multi-mode or mono-mode fibre).



Connecting Walkway

The Connecting Walkway is an underground passageway that connects the Convention Centre with the Auditorium CCIB Forum.

The total area of the walkway is 1673 m² and its height varies from **2.4 m** and **3.2 m**

The maximum height for a stand is **2,5 metres**.

Its maximum capacity is for **1.200 people** for cocktail parties and coffee breaks, and 600 people for **banquets** (round tables for **10 people**).

The video/signposting equipment comprises **5 x 55 tft screens** (16:9 format).

This space is also at the disposal of the event organisation if it requires it.

Ding and unloading

The **Auditorium CCIB Forum** has a zone set aside for loading and unloading with an access whose dimensions are: 7 m wide and 5 m high.

The logistics staff are in charge of controlling the access and flow of vehicles in the loading bay.

The loading and downloading personnel must be hired by the organisation.

This personnel shall be at the organisation's disposal if so required, as internal workers they can quickly deal with any needs that arise..

As this zone is shared with the **Museum of Natural Sciences**, overnight stays are not allowed.



Moodboard





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