

ROYAL OPERA HOUSE MUSCAT

Oman / Muscat

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Country / City: Oman / Muscat

Completion: 2011

Capacity: 1,100

Usage: Traditional Theatre

Technology



Acoustics



Traditional
Drapery



Track
Systems

Overview

J&C Joel were commissioned, by order of H.M the Sultan of Oman, to provide the Royal Opera House Muscat (ROHM) with a variable acoustic environment. This included custom-built motorised Diamond Track and a full complement of stage curtains and drapes.

The ROHM is Oman's flagship venue for classical music and the arts. It features a world-class auditorium with a capacity of over 1,100. As a result, it is capable of hosting some of the world's premier operatic performances as well as a wide variety of musical works and theatrical productions.

J&C Joel manufactured two Acoustic Motorised Roller Banners using black Bonded Wool Serge which were then installed within each of the auditorium's 18 VIP boxes behind wooden fretwork panels.

When deployed in groups of six, the banners instantly reduced sound reverberation. In addition, roller banners were installed above the windows of the hall's control box to mask the acoustically reflective glass when required. Further acoustic flexibility is achieved through three large panels suspended at high level at the rear of the auditorium. These panels can be raised or lowered using electrically operated lineshaft hoists, allowing precise adjustment of the hall's acoustic properties.

In each of the auditorium's reverberation chambers, 144 individual black Wool Serge 565 (WS090) were installed. These were hung from 36 twin E-Rail tracks, providing extensive sound control. Moreover, additional acoustic drapes were hung from Unibeam tracks installed in the rear stage and concert shell areas and behind orchestra lifts. Electrically operated tracks were positioned at high levels on each side of the auditorium and within the roof space. These allow the Wool Serge 565 (WS090) acoustic drapes to be adjusted remotely where access is limited.

In addition to the fully variable acoustic environment, J&C Joel also provided the Royal Opera House Muscat with Front of House drapes. These were manufactured from custom-dyed Vegas Velvet Velour, chosen by Royal Court Affairs. Measuring 22.5 metres wide with a drop of 12.5 metres. The drapes were finished with an ornate, metre high panel of gold thread embroidery running along the base. This design was chosen by the ROHM's creative staff.

To support these drapes J&C Joel engineered and installed, a 22.5 metre motorised Diamond Track at the front of the stage. The stage setup also includes borders, travellers, and legs made from black Premier Wool Serge (WS090). Finally, a white Sharkstooth Gauze (ST014) stage backdrop was also provided which measures 19 metres wide and a drop of 12 metres.

Overall, this comprehensive installation allows the ROHM to achieve a highly adaptable acoustic environment. As well as, maintaining exceptional visual and performance standards.

Gold Thread Embroidery



Track Systems



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