



# Concert Hall

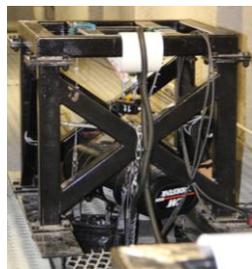
Hong Kong Cultural Centre  
Tsim Sha Tsui

# Showcase

## Concert Hall



The extension of stage lighting system, installed with 70 downlights and profile spotlights with different field angles, can be raised and lowered above the stage, to provide better sound reflection for concert performances.



### Safety comes first:

The overhead stage reflector (left) is connected with Ron StageMaster's multi-load cell, stage safety device for load control and overload prevention (top right).

This laptop-based Ron StageMaster safety system (bottom right) is a real-time monitor of load-map that can be overlaid on stage-plan layout (e.g. autoCAD) and can enable monitoring all the loads during installation and through the entire show.

The system is also connected with a Kinesys DigiHoist controller (bottom right) — a linkable, fixed speed digital controller with safety group halt functionality built in. It can be used with local controls or an optional touch screen control pendant.

### New movable reflector adds acoustic flexibility

Since its grand opening on 8 November 1989, the Hong Kong Cultural Centre has remained the premier cultural venue offering stimulating environment for arts talents and quality programmes to the public, and has since been witnessing the development of the arts in Hong Kong.

The centre's 2,019-seat oval-shape Concert Hall is designed for music performances. The hall is finished in high quality oak and fitted with adjustable acoustic canopy and curtains to ensure quality acoustics effect.

To improve the acoustic performance for the extended stage area, the construction of a mock-up extension of the over-stage reflector was carried out in August 2013. This extension covering the extended downstage area is primarily intended to enhance additional reflection. It also serves to collect valuable data in developing a design for a permanent extension to be constructed in later years.

With the completion of the construction of this mock up extension, there are also some modifications on stage and house lighting to supplement this acoustic improvement project. The overall lighting system has been adjusted to provide better illumination for concert performances.

### Scope of work

Macostar was responsible for the supply and installation of stage and house lighting system, motorized rigging system and complete truss frame with reflector panels for the mock-up extension of the over-stage reflector canopy at the Concert Hall, Hong Kong Cultural Centre.

### Stage Lighting System

- ETC Source Four 10 degree with Ushio HPL750 750W lamp bulbs
- ETC Source Four 5 degree with Ushio HPL750 750W lamp bulbs
- ETC Source Four Zoom 15-30 degree with Ushio HPL750 750W lamp bulbs
- ETC Source Four Zoom 25/50 degree with Ushio HPL750 750W lamp bulbs
- Starlux Downlight with Osram ECO 205W E27 HAL lamp
- Macostar Socapex extension cable assembly

### Motorised Rigging Systems

- CM Lodestar D8 Electric Chain Hoists with position encoder and 22M long chain
- Ron StageMaster 5000 Central Receiver with software
- Ron StageMaster S-01-5 1 ton, wired-type Load Cells
- Kinesys DigiHoist DHC-8-HC Low Voltage 8 Channel Hoist Controller with Touch Screen Control Pendant
- Litec QX30S Square-type Truss System

### Client



### Address

Hong Kong Cultural Centre  
10 Salisbury Road  
Kowloon  
Hong Kong

### Completion

August 2013