GALA SYSTEMS

## Master of disguise

A moving floor allows Melbourne Convention Centre's Plenary Hall to transform itself into a myriad of configurations, each designed to look like its true, permanent self

Top: Melbourne Convention
Centre's Plenary Hall with
the movable seating section
retracted for a flat-floor
configuration

Bottom: Spiralift units underneath the Plenary Hall's moving floor hen brainstorming the possible features for Melbourne's new convention centre, aspirations were grand – trade exhibitions, concerts, sporting events, live theatre, cabaret, television events, banquets, corporate seminars, dance performances, direct accessibility to loaded 40-tonne trucks, and remarkably, all of it transformable in less than an hour.

To allow such multifunctional use the centre's Plenary Hall was designed – a 5,000-seat space that can be divided into three self-contained, acoustically separate theatres. GALA Systems provided the equipment to make this possible, enabling the operators to maximise the usage of the space while creating a stage that allows the public to be as close to the action as possible.

Property of the Victorian State Government and managed by the Melbourne Convention and Exhibition Trust, the Melbourne Convention Centre is internally linked to the Melbourne Exhibition Centre to create the Melbourne Convention and Exhibition Centre (MCEC).

## Green gem

Located in the heart of Melbourne, in South Wharf on the banks of the Yarra River, the Melbourne Convention Centre opened its doors for business in June. With plenty of fresh air and natural light, the venue was designed to be Australia's greenest convention centre and the world's first to achieve a 6 Star Green Star environmental rating from the Green Building Council of Australia. The convention and

exhibition facility also boasts a Hilton hotel and a vibrant riverside precinct with cafés, restaurants and retail stores at its doorstep.

Offering a wide variety of options in event planning, the convention centre includes 32 meeting rooms of various sizes and a grand banquet room as well as the Plenary Hall.

Developed with GALA Systems' technology by project consortium leader Plenary Group, architects Woods Bagot and NH Architecture, consultant Marshall Day and contractor Multiplex Construction, the Plenary Hall had to fulfil many specific needs. Not only would it have to provide the flexibility to be configured for multiple events, but each configuration would need to look seamless, as a permanent venue designed for a specific event.

This kind of request (for highly flexible automated spaces) had been partially fulfilled before by GALA in venues such as Jonquière Cultural Centre in Quebec, Canada; the River Rock Conference and Showroom in British Columbia, Canada; the KVS Cultural Center in Brussels, Belgium; and the Bilbao Cultural Center in Bilbao, Spain. But GALA says the size of the MCEC Plenary Hall, the truck loading requirement (20kPa capacity), as well as the goal of a 6 Star Green Star environmental rating brought with it a whole new set of challenges.

These challenges were met by creating a moving floor that allows approximately 1,600 of the 5,000 seats to be automatically reconfigured – more than 1km of rotating rows of seating. Without any manual handling, the 42 rows have an automated seat rotation system for storage







