

ZOO LIFE

SINGAPORE: The reopened Shaw Amphitheatre at the Singapore Zoo is ready to entertain and educate with a new presentation entitled *The Rainforest Fights Back*, which opened on 9 August to coincide with Singapore's National Day. The 30-minute show features trained primates and birds of prey including sea eagles and macaws in an engaging demonstration of nature's beauty and a plea for the world's rainforest to be protected from logging and clearance for agriculture.

The show takes advantage of the new, covered stage area, which includes a waterfall and pond, as well as a new sound system. Based around a six-box Adamson Metrix installation series line array with two subwoofers, the PA is driven by three Lab.gruppen PLM10000Q amplifiers and uses six Denon D6000 CD cart machines for playout and eight Shure SLX4 wireless receiver systems for the presenters routed through a 24-channel Mackie Onyx analogue desk. There is also a TC Electronic M-One reverb unit and two Drawmer DL441 compressor/limiters for additional

signal processing. 'The old system used six or seven loudspeakers, but now that the amphitheatre has been reorientated and the new sound system is installed, it sounds much better,' said sound support engineer Mike Hassan.

The installation was handled by local company Team 108, and required custom mounts in order to fly the Adamson rig, which is protected by a canopy that covers the stage and PA area. 'The loudspeakers need to be protected from the weather and algae,' says Team 108 director of engineering Mark Tan. 'The canopy should take care of this.'

In the adjacent Splash Amphitheatre, an alternative approach has been taken to the sound system. Here, two weatherproof Vieta Do 44 cabinets (using four 4-inch full-range drivers) and two Do 80S 8-inch subwoofers, powered by a Lab.gruppen C28:4 amplifier relay a mono feed from another 12-channel Mackie mixing desk. Further Denon CD machines provide the playout with Sennheiser hand-held mics for the presenters.

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Thomas Mittelmann (Lab.gruppen), Mike Hassan (Singapore Zoo sound support), Jesse Adamson (Engineering) and Mark Tam (Team 108) at the Shaw Amphitheatre



Mike Hassan in the Shaw Amphitheatre control room



Vieta Do line loudspeakers in the Splash Amphitheatre

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