



IN FOCUS

CASE STUDY | PURPOSE DESIGNED HALOGEN MATRIX FOR HOTEL DEN BERG, LONDERZEEL, BELGIUM

The Hotel Den Berg, based in Belgium, fuses a contemporary, forward thinking design matched with a next-generation, fully-integrated audio system management solution - all underpinned with a purpose designed Halogen matrix managed by RANE Commercial's HAL1x.

The Rane Halogen matrix forms an integral component of the audio system for the entire hotel - including the wellness / fitness centers, conferencing venues and the purpose-built event hall. Principal responsibility centers around the management of 20 zones for public address and music distribution, alongside 2 stereo zones for the event hall (configured in a separate rack, but aggregated into the main signal management system).

The event hall features a BOSCH CCS1000 conference system and 2 wireless handheld microphones specified as speech reinforcement solutions for presentations; this system is enhanced with external antennas for exceptional coverage in both sections of the event hall (divided by a movable wall). The RANE HAL1x matrix is capable of combining audio channels and activating the right audio delay settings depending on the status of the movable wall.

Each section of the event hall has 4 floor boxes with connectors for audio and video sources. RANE RAD15

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Reseller	Commpunt
Client	Hotel Den Berg
Solutions	HAL1x RAD15 RAD2 DR3 DR6

modules allow users to send audio without loss or interference in the highest quality to the central audio system. Each RAD15 module is intended to connect with mobile mixing solutions, to insert a stereo source and mix the wireless microphones.

The audio matrix is linked to a Crestron AV-matrix, designed to receive audio channels from presentation sources and for streaming audio to a recording system. Thanks to full integration between the RANE Commercial Halogen Matrix and two Crestron Touch Screens, users can conveniently alter any audio, video or light parameters in accordance with the event's needs.

Additional signal sources include the Denon Professional



DN-700C multimedia player - facilitating playback from CD's, MP3 files stored on USB memory sticks or shared music on a PC linked to the same network. With the integration of the Crestron Touch Screens and the DN-700C's web-interface, users have complete playlist control without needing to refer to the racking units stored in the technical back-office.

In meeting rooms, fitness and sauna facilities, RANE RAD2 and DR3 units allow the end user to play and control their favorite music or present with a microphone if required utilizing BARCO Clickshare systems; alternatively, users can choose one of the centrally available sources including internet radio stations or a playlist from the DN-700C.

The overall management of audio in every room is controlled via RANE's DR6 7" color touch screen at the reception desk or via the RANE web-interfaces integrated within the building management software. This fully integrated solution allows full, simplified control for hotel staff to select and allocate sound sources throughout all hotel faculties in an easy-to-use, elegant signal management solution.

For more Rane DSP solutions visit rane.com/commercial

About Rane

Since 1981 musicians, DJs, contractors and integrators have chosen Rane Corporation (rane.com) as an established innovator in problem-solving pro audio tools, affordably priced with unequalled reliability and customer service. Based in Mukilteo, WA, all products are designed and engineered exclusively in the United States from imported and domestic parts with worldwide product distribution.

