## **GENELEC**<sup>®</sup>

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Genelec leaves visitors spellbound at HEX! Museum of Witch Hunt THE DANISH MUSEUM EXPLORES THE WITCH HUNT FEVER OF THE MIDDLE AGES





HEX! MUSEUM OF WITCH HUNT USES A GENELEC SMART IP LOUDSPEAKER SOLUTION DESIGNED AND INSTALLED BY THE MOESGAARD MUSEUM EXHIBITION DESIGN STUDIO

stablished in the early eighth Denmark's most famous witch, the unfortunate century, Ribe in south-west Maren Spliid, came from Ribe and was Jutland is Denmark's oldest town burned at the stake in 1641. What better and boasts a long and colourful setting then, for a museum to help elucidate history. In the Middle Ages, Europe and explain this dark period of Danish history. was in the grip of witch hunt fever, HEX! Museum of Witch Hunt, has recently which cost the lives of tens of thousands of opened in Ribe complete with a Smart IP loudspeaker solution from Genelec women. Most of these women were tortured and burned alive - and the townspeople designed and installed by the Moesgaard Museum Exhibition Design Studio. of Ribe proved especially zealous. Indeed,

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HEX! aims to tell the story of these witches - who they were, why they were so feared, and the myths and superstitions that surrounded them, fuelled largely by powerful elements within the church and certain monarchs of the time. In order to create the best possible visitor experience, HEX! turned to the museum technology experts at the famed Moesgaard Museum led by Johan Ahrenfeldt. Having recently used Genelec's Smart IP technology with great success on one of his own exhibitions, Ahrenfeldt had no hesitation in recommending it for HEX!

"We wanted to create a complex soundscape for the various stories being told in each of the nine exhibition rooms," explains Ahrenfeldt. "However, the building itself posed a few challenges as it's an old listed building in the centre of Ribe. While this definitely adds to the atmosphere, it's not ideal for audio-visual installations! Many of the rooms are guite small with low ceilings, so it was important

that the technology remained as unobtrusive as possible, whilst nevertheless delivering a high quality experience. Genelec's Smart IP loudspeakers were therefore an obvious choice.

"Smart IP technology provides power, audio and control all over a single network cable, and is a godsend to those of us who work in architecturally sensitive environments - HEX! is a case in point," he continues. "Furthermore, we know that Genelec is a guarantee of superlative audio quality, even at low levels, which was a requirement in this instance due to the intimacy of the environment and the proximity of the loudspeakers to the audience. Our aim was to provide linear and detailed sound reproduction that allows visitors to lose themselves in the experience without feeling overwhelmed."

The sound design was created by the composer Søren Bendixen of Audiotect, who specialises in creating soundscapes for exhibitions. The design was prepared in

## SONICALLY, THEIR SUPERB DEFINITION AND CRYSTALLINE **77** INTELLIGIBILITY OFFER A TRULY IMMERSIVE EXPERIENCE.

the studio but mixed on-site in an iterative "As the rooms are all adjacent to each other process. The onsite use of the Spat with open doors, the audio separation between the zones is very poor. We needed to turn this Revolution software engine in the mixing process made it possible to map the sound obstacle into an opportunity. By considering the designs and adapt and benefit from the overall sound design as a composition of nine specific speaker placement in the exhibition separate yet interconnected designs, the result is an auditive experience that both facilitates rooms - independently of standard audio formats. Ahrenfeldt utilised a total of thirtythe mood in each individual room as well as six 4420 Smart IP loudspeakers across the providing a more holistic listening experience exhibition rooms supplemented by six 4020 throughout the museum as a whole." and four 4010 installation loudspeakers and a compact 7050 active subwoofer. Ahrenfeldt believes that the best audio in

this type of visitor attraction is the audio that "Each of the nine rooms is set up as a separate registers almost subliminally. "The last thing you zone," explains Ahrenfeldt. "The zones are want is for the soundtrack to start playing and managed and controlled via the Smart IP people's attention being instantly drawn to the Manager software, which has proved both source. Ideally, we don't want people to even easy and efficient. We're using QLab software notice that there are loudspeakers in the room and a Dante-compatible RME Digiface at all. Genelec's Smart IP loudspeakers help interface to control the 47 discrete channels us achieve that thanks to the minimal cabling and feed them to the Dante network. The infrastructure which reduces cost and makes for playback by QLab is triggered by the main quicker, tidier and more flexible installation. Also, show control. Smart IP's harmonious design enables them to blend into any environment, with the useful ability to dim the on/off LED indicator on the front of the loudspeaker. Sonically, their superb definition and crystalline intelligibility enable us to create audio designs that offer a truly immersive experience and bring the exhibition to life. For HEX!, the Smart IP series was an obvious choice that helped us overcome a number of obstacles and deliver a world-class audio experience."





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## THE KIT

- 36 x 4420A
- 6 x 4020C
- 4 x 4010A
- 1 x 7050C



