



# Regional Court of Lübeck

## INTRODUCTION

During a complete renovation of the facility, the regional court of the city of Lübeck, Germany, embarked on a digitalization process encompassing nearly 50 rooms, including 28 courtrooms. The project aimed to meet the high standards set by the facility management team, Gebäudemanagement Schleswig-Holstein (GMSH), to streamline operations and modernize the experience.

**"CRESTRON'S USER-FRIENDLY CONTROL  
ALLOWS THE COURT WORKERS TO  
ROUTE CONTENT AND ADJUST SETTINGS  
EFFORTLESSLY, IMPROVING THE DAILY  
WORKFLOWS AND PROMOTING FURTHER  
EFFICIENCY IN THEIR OPERATIONS."**

*Sören Stüwe  
Project Engineer,  
Studio Hamburg MCI*



## THE CHALLENGE

As part of this initiative, the Regional Court of Lübeck intended to fully digitize its processing and documentation strategies by including e-File in its process. Their team was seeking a technology foundation that could support their new processes while also integrating with external media sources, enable lectures, and capture legally compliant recordings while supporting transmission to other rooms.

## THE SOLUTION

The GMSH selected AV integrator Studio Hamburg MCI as a collaborative partner for this project to help set a standard and design a media control system that would fit the needs of the facility. The Crestron DM NVX® AV-over-IP platform was ultimately chosen as the right fit for this project to handle the complex infrastructure on a dedicated network and provide a redundant backbone that would support the activities of the courthouse.

**"THIS SYSTEM HAS BEEN DESIGNED TO BE EASILY EXPANDABLE, AND DM NVX ENSURES THE LONGEVITY OF THIS INVESTMENT TO CONTINUE TO MEET THE NEEDS OF THE CITY OF LÜBECK OVER TIME."**

**Wilhelm Borgert**  
*Planner,  
AV Technology Tender*

## THE TECHNOLOGY

Courthouse processes and infrastructure require efficiency and legal compliance. Digitally recording and storing audio and video files would be an important part of the court process. The DM NVX platform provided advanced security features and a reliable backbone that would ensure sensitive content remained private and protected. The ease of use of the Crestron system proved essential since technical defects can lead to interruption of court proceedings and in some cases, even the termination of a court case. The extensive system helps to support the modernization of legal processes.

Crestron DM NVX technology provides high-quality video transmission on a network basis and supports 4K60 4:4:4 streaming quality. The brilliant and seamless transmission of content was essential for visual presentations and clarity of communication during court proceedings. Trials and other courthouse activities are now supported with razor-sharp images without any loss of compression, which is especially critical to accurately view documents, evidence, or other visual aids. The system also provides the ability to switch between different media sources without delay to route content as required with added customization for display and sound reproduction.

Studio Hamburg MCI was able to leverage Crestron's wide range of products and compatibility with various media formats to support a seamless integration into the existing IT infrastructure. Over 200 DM NVX technology units were installed, making the solution suitable for a wide range of use cases. Additional units can be added over time to support further expansion and growth. The platform supports the latest standards and technologies, with continual firmware updates available, which means the system will only improve with time.



**"DM NVX DELIVERED EXACTLY WHAT WAS NEEDED FOR THIS SPECIALIZED APPLICATION. PERFORMANCE, QUALITY, FLEXIBILITY, AND USER-EXPERIENCE WERE ALL ABLE TO BE TAILORED TO MEET THE PREFERENCES OF THE COURT."**

**Tim Grevenitz**  
*Director of Sales & Marketing,  
Studio Hamburg MCI*



## RESULTS

The city of Lübeck has successfully modernized its court processes with the DM NVX platform and is able to transmit 4K video in real-time for a vastly improved courtroom experience. The simplicity of the system allows all users, even those without in-depth technical knowledge, to easily control it, which has led to improved workflows, time-saving processes, and increased efficiency and user satisfaction.

"With DM NVX technology, any network cable becomes a potential video connection, which allows greater flexibility compared to traditional AV switching," says Sören Stüwe, Project Engineer of Studio Hamburg MCI.

## Featured Products

**4-Series®Control System**  
CP4

**DM NVX® 4K60 4:4:4 HDR Network AV**  
**Encoder/Decoder**  
DM-NVX-360

**DM NVX® 4K60 4:4:4 HDR Network AV**  
**Encoder Card**  
DM-NVX-E30C

**6x2 4K HDMI® Switcher**  
HD-MD6X2-4K-E

**10.1 in. Tabletop Touch Screen**  
TS-1070