

Case Study

Government, Art & Official Business



End Customer: The Israeli Parliament Building, Knesset
Vertical: Government



About the End Customer

The Knesset is Israel's national legislature. The Knesset building is located in Jerusalem, and houses the plenum, parliamentary groups, committees and subcommittees, in addition to hosting ceremonial events and foreign dignitaries.

The Challenge

The Knesset building was inaugurated in 1966, and since then two new wings were added to the building to accommodate the growing needs of the Israeli government. As the need to upgrade the audio & video systems of the two main spaces arose, the Knesset turned to Harel Tabibi, audio & video consultant, to specify the proper systems for the Chagall State Hall and for the Knesset Auditorium. Barkai Ltd., AV system integrators and Crestron's representatives in Israel, was awarded the public tender for the supply and installation of the systems.

The Chagall State Hall, part of the original Knesset building is a stunning room decorated with tapestries and mosaics by renowned artist Marc Chagall, used for receptions and official events.

In 1992, a new wing to the Knesset was added, including a multi-purpose auditorium, with 330 seats.

The main challenge was the long distances between sources and displays. Another requirement was to future-proof the system for 4K content.

The Solution

Harel Tabibi and Barkai chose Crestron's HDBaseT-enabled DigitalMedia solution to deliver the results and high-performance expected. In the Auditorium, a 32x32 DigitalMedia switcher was installed, along nine screens and projectors. In the Chagall State Hall, where five screens and projectors were installed, a 16X16 switcher was deployed. In both rooms, Crestron's line of Cat7a cables - Ultra - was deployed to guarantee the future distribution of 4K content at the desired distances of up to 100m (330 ft). Content sources, such as computers, cameras and blu-ray players that were placed out-of-the-way to maintain the elegance and clean look of both rooms. In addition, HDBaseT transmitters and receivers were installed in the screens and projectors in both rooms.



Results

HDBaseT guaranteed the uncompressed transmission of content over a single cable of up to 100 meters, while future-proofing both spaces for 4K content. The installation fulfilled the technical requirements of the Knesset, without interfering with the architecture and interior design in both rooms.

About HDBaseT

HDBaseT, powered by the Valens chipset, enables all-in-one connectivity between ultra-HD video sources and remote displays through a single 100m/328ft CAT6a cable or fiber, delivering uncompressed high definition 4k video, audio, USB, Ethernet, control signals and up to 100 watts of power.