

# Colombian Senate

## Case Study



### Industry:

Commercial and Government Buildings

### Final User:

The Senate represents one of the highest public management functions in Colombia. The attendance, the debates and the voting are difficult to control and are subject to confidentiality.

Since past July, the Colombian Senate hall can be considered as being one of the most modern ones in the world with a high transparency of its management activities. Thus it is a benefit for the country and democracy.

### Objective:

One of the principal challenges of this installation was the edification process since it included a complete remodeling of the place. Moreover meeting today's highest security standards became a top priority.

The central objective of the project was to increase transparency and optimize security aspects while at the same time connect the Colombian Senate with other similar organisms all over the world.

### Offered Solution:

The offered solutions include CCTV and a Conference System.

The wireless DCN debate system of Bosch was installed for conferences and seminars. It allows the operator to control the microphones, to initiate or stop the voting sessions and to show the results. Provided is also an electronic voting and internal instant messenger system. At the same time it controls the access to the system through a biometric reader that identifies and authorizes the participants to interact with the platform. For that reason, it does not only deny access to unauthorized people, but it also enables the person in charge of the session to know immediately who is present and who is not.

The system also has the possibility to link simultaneous interpretation with two cabins and capacity for 32 channels and video systems. It enables the connection with audio systems and even internet in order to present documents during the session.

The real-time interaction through teleconferences and videoconferences allows the Senate to connect with other entities in the world.

Regarding CCTV, Bosch surveillance cameras were installed to allow a steady view on the speaker even for participants in back rows.



### Result:

The implemented cameras provide motion detectors and automatic monitoring, allowing a better organization of the participants.

In addition, the new technological structure of the Colombian Senate provides the following benefits:

- Automatic technology of planning and monitoring the sessions with definition of the intervention order and control over it.
- A mechanism to admit the multimedia access of different sources for the information needed during debates.
- The automatic verification to check the attendance of the participants.
- Easy management and interaction with the system due to its user-friendly platform.
- A new sound system with several acoustic options.
- An interconnected system via data network, for functions such as information visualization, data sharing, etc.
- New presentation system, with automatic action to follow the participants.

### Installed by:

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