

# Caixa Geral de Depositos, Lisbon, Portugal

Designed for efficiency



“A fire exercise, which included the evacuation of some 5,000 employees and visitors, was successfully executed thanks to Barco's video wall and the swift management and monitoring of our control room operators.”

Nuno Bento, Director of Security

Caixa Geral de Depósitos (CGD) is a state-owned banking corporation and the largest bank in Portugal. With some 881 branches all over Portugal and the rest of the world, monitoring bank surveillance and security is a daunting task. However, CGD manages this with the highest scrutiny and with support of the latest visualization and monitoring technologies available, including an advanced Barco control room video wall.

**BARCO**

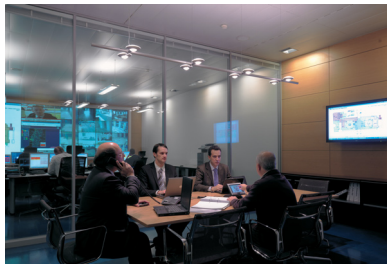
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CGD turned to Barco early 2007 when it decided to refurbish its central control room located in Lisbon. CGD opted for rear-projection video wall technology and immediately looked at Barco as its main visualization technology supplier.

"We knew Barco as a worldwide reference in video wall technology," comments Mr. Nuno Bento, Director of Security at CGD. "This reinforced our confidence in Barco as visualization supplier. Also, we were convinced of the image quality of Barco's video walls which we experienced at several exhibitions the year before. Last but not least, with the support services of Barco's local partner Casa Serras, we knew we were going to be in good hands."

In normal operation mode, the CGD video wall presents 5 operators with CCTV images of the Lisbon building, together with an overview of the fire security system and other technical installations. If anything irregular is registered from the cameras located in other branches, the video wall jumps into alarm mode and presents the required video feeds all the while keeping the overview of other systems available to provide context. In essence, the Barco solution provides the whole team with shared situational awareness and facilitates collaboration and more effective responses and decision-making. This is particularly evident to the security staff, as prior to 2007, CGD branch surveillance was monitored from several locations. This made it difficult to efficiently share information between several stakeholders.



### From CRT to networked visualization

One of the CGD requirements for the control room refurbishment was to have the control room video wall interconnected with the Barco LCD displays in the crisis room and training room, in order to obtain efficient information sharing.

"Additionally, Our old video walls consisted of stacked CRT monitors, which were very costly to maintain," comments Mr Bento. "So, as our surveillance camera network grew over time, the CRT monitors did not allow to efficiently add camera sources." CGD was in need of a video wall solution that is flexible in its display layouts, able to scale and that provides a path for future video-over-IP integration.

Barco's technology easily met those requirements with its expandable chassis architecture and its new streaming video cards with universal video-over-IP decoding capabilities.

### From design to installation

Barco provided CGD with extensive control room design services to make the most of its new control room environment and in order to enhance daily operational efficiency. These included the development of design concepts with recommendations for the functional arrangement, ergonomics and technical aspects. Barco also delivered engineering drawings for the entire control room facility.

Based on the design requirements, Barco delivered a 5x2 video wall consisting of 67-inch projection modules. The wall is controlled by Barco's ultra-fast Transform A video wall controller which has been engineered for the highest streaming video & RGB requirements.

### Operational efficiency

"In terms of operational efficiency, we have really made significant improvements," explains Mr. Bento. "Shortly after the installation, we initiated a fire exercise, which included the evacuation of some 5,000 employees and visitors. Thanks to the swift management and monitoring of our control room operators, we were able to successfully evacuate everyone in just 20 minutes."

Ref. no. R000000SST0309R001

Barco is an ISO 9001 registered company.  
The information and data given are typical for the equipment described.  
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