

Dubai Police General Headquarters

A paragon of control room technology

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In 2003, Barco was selected to provide advanced control room visualization for the operations room of the new Dubai Police General Headquarters. As one of the most prestigious police security projects in the Middle East, the new headquarters of the Dubai Police General Command is rated as one of the most advanced buildings in terms of architectural design and application of state-of-the-art technology.

Construction of the police headquarters began in mid 2003 and was completed in May 2006. Various departments began to shift gradually to the new premises in June 2006. On 21 September 2006 H.H. Sheikh Mohammed Bin Rashid Al Maktoum, Vice President, Prime Minister and Ruler of Dubai, inaugurated the command and control center at the new Dubai Police General Headquarters.

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The new command and control room, which has been equipped with Barco video wall technology, is among the world's best fitted rooms, with similar examples in Finland, China, Norway, Germany and Greece (i.e. the operations room of the 2004 Olympic Games in Athens). The room is designed to cope with the expansions in the next 15 years. The operations center has been linked with a network of 1,089 sophisticated surveillance cameras all over the Emirate of Dubai and hooked up with 13 shopping centers and 7 police centers. Airborne cameras also offer live broadcast to the operations room. The main hall can accommodate up to 87 employees.

Advanced 3D capabilities

Thanks to an advanced 3D model of the city of Dubai, the Dubai Police control room operators are able to coordinate operations down to the smallest detail. On Barco's video walls, they are able to visualize the prevailing situation in order to assess threats and vulnerabilities. Generated from aerial and satellite imagery, the 3D model presents detailed data about landmarks, buildings and streets. The model has been enhanced with tools to extract the necessary information from the available data and take live feed from cameras.

Barco's video wall consists of 10x4 display modules with XGA resolution, which in total span some 4x14 meter. The wall presents traffic information, live video images, photos of wanted criminals, statistics, 3D maps, scroll bar, Automatic Vehicle Location and GPS information.

The construction of the control room was executed by main contractor Siemens Dubai and Barco's United Arab Emirates

partner Intertech Vision. Colonel Eng. Kamel Buti Al Suwaidi, Deputy Director, Gen. Dept. of Operation Dubai police comments: "We wanted to build a sophisticated command and control center that would enable a fast response and best management and control on our resources. It was a challenge for our own team and all our suppliers to make this complex project work. We are convinced this is an important contribution to a secured Dubai."

On the successful completion of the new command and control room, the team at Barco commented: "We have seen the years of experience, the hard work and years of preparation of Dubai Police to realize a breakthrough in security technology. We are proud to be part of a project that has been able to set a new standard in security control room technology in the Middle East and beyond."



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Barco - Belgium
President Kennedypark 35, 8500 Kortrijk
Phone (32) (56) 262031
E-mail sales.controlrooms@barco.com
Germany Phone (49) (721) 6201-0
USA Phone (1) (678) 475-8000
Brazil Phone (55) (11) 3842-1656
Japan Phone (81) (3) 5762-8720
Hong Kong Phone (852) 2397-0752

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