

SES ASTRA , Betzdorf [Luxembourg]



SES ASTRA selects Barco

Barco Control Rooms and Pixelmetrix joined forces to provide a state-of-the-art total monitoring system for SES ASTRA's ground control facility in Betzdorf, Luxembourg. Barco's high quality managed monitoring solution, iStudio, provides the large overview display of both satellite communication content and alerts and won the approval of SES ASTRA.

The ASTRA Satellite System is Europe's leading Direct-to-Home satellite system chosen by a wide range of television and radio broadcasters and multimedia service providers for the delivery of free-to-air and pay broadcast and broadband services to more than 92 million Direct-to-Home and cable households in Europe. The ASTRA satellite fleet currently comprises 13 satellites, transmitting more than 1100 analog and digital television and radio channels as well as multimedia and internet services.

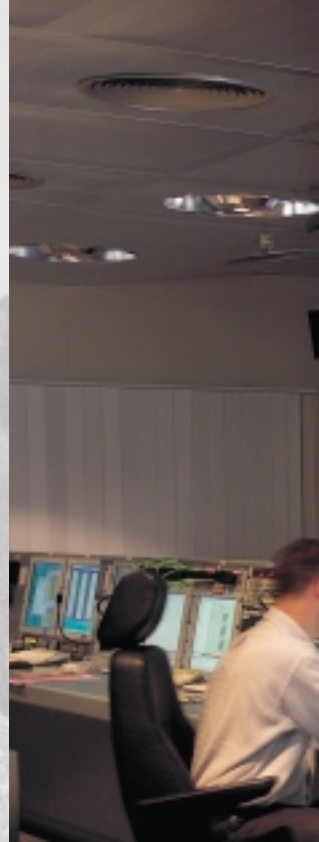
The combination of Barco's iStudio and Pixelmetrix' DVStation provides customers with flexible, scalable and high-performance solutions critical to the rapid and fast-moving digital environment. Barco's iStudio, consisting of a high-quality display with rear-screen projection, the HYDRA graphic controllers, and Web-based operating software, enables the continuous monitoring of the signal transmission quality of all the downlink signals from the entire ASTRA fleet of thirteen satellites

BARCO

Visibly yours



The ASTRA satellite fleet currently comprises 13 satellites, transmitting more than 1100 analog and digital television and radio channels as well as multimedia and internet services. ASTRA's two prime orbital positions for DTH (Direct-To-Home) services are 19.2° East and 28.2° East. Professional services are offered from the orbital positions of 23.5°/24.2° East and 5.2° East.



OVERVIEW cDR67-DL displays in a 7 by 2 configuration controlled by 14 HYDRA COMPACT graphic controllers enabling SES ASTRA to display over 250 sources in its control room.

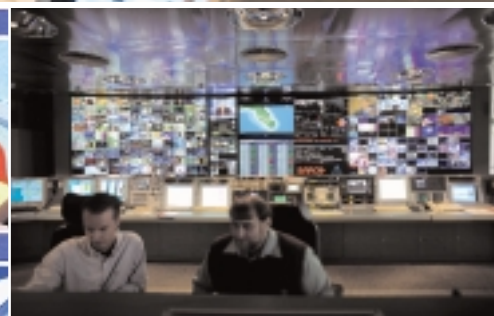


Controlling over 250 sources

At SES ASTRA, Barco installed the OVERVIEW cDR67-DL displays in a 7 by 2 configuration controlled by 14 HYDRA COMPACT graphic controllers enabling them to display over 250 sources in its control room.

The OVERVIEW D series are Barco's DLP™ projection series for broadcast and video production.





Featuring Barco's proprietary "Optical Dimming" and "Dynamic Feedback" technology, the OVERVIEW D series projection module allows constant optimization of brightness and contrast performance while maintaining excellent color uniformity. Further important features of Barco's DLP™ projection series are built-in redundancy (dual lamp) and low Mean Time To Repair.

Barco's HYDRA gives unique possibilities to control up to 60 analog or digital inputs on one single display simultaneously. HYDRA is operated via a standard web browser and features advanced warnings and alarms. The HYDRA COMPACT has a 4 rack unit chassis allowing up to 36 Video inputs displayed on one screen.

The iStudio software acts as a single point of control and includes advanced warning capabilities. Pixelmetrix' DVStation monitoring functionality with real-time fault detection and alerts was integrated with iStudio. This allows problems and alarms detected by the DVStation to be collected and displayed on a single monitor wall. In addition, with a single click on the iStudio GUI, operators can access DVStation information on their workstation to interact with the information displayed on the display wall.





Higher value added and unequalled performance

For SES ASTRA's operators, all this means significantly higher value and higher performance thanks to advanced interactivity and real-time visualization. The integrated network-based solution enhances SES ASTRA's control center operational efficiency because it provides a large overview display of both satellite communication content and alerts detected by DVStation, allowing collaborative actions across multiple operators.

Both Barco and Pixelmetrix, experts in their respective fields, bring to the table an unmatched strength. This strong collaboration will provide an impressive solution for the digital broadcast market, bringing network monitoring into a new realm.

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Barco Control Rooms is an ISO 9001 registered company.
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