



AUDIO, VIDEO AND COMMUNICATIONS
FOR BROADCASTERS



INTERCOM | AUDIO | VIDEO | COMMUNICATION

“ AEQ has been developing, manufacturing and selling audio equipment, automation and production systems for Radio, Television and other media for more than 40 years under the “AEQ” brand. ”



HEADQUARTES AEQ





HISTORY OF AEQ

AEQ has been developing, manufacturing and selling audio equipment, automation and production systems for Radio, Television and other media for more than 40 years under the "AEQ" brand.

Back in 2010, AEQ moved to its new headquarters, a 5000 m2 building within the newly created Technologic Park in Leganés (Madrid). This building is located close to the public University Carlos III, dotting AEQ with a greater R&D infrastructure and providing continuous renovation.

In 2014 AEQ acquired the KROMA TELECOM company, incorporating a complete range of video monitors and intercom systems to its production line, under the brand KROMA by AEQ.

For nearly four decades, AEQ has been continuously updating. Nowadays it is led by a managing team composed of very well prepared young and middle-aged people, who have been part of AEQ or KROMA for an average time of 15 years, have professionally grown in the Company and guarantee its future.





BUSINESS MODEL

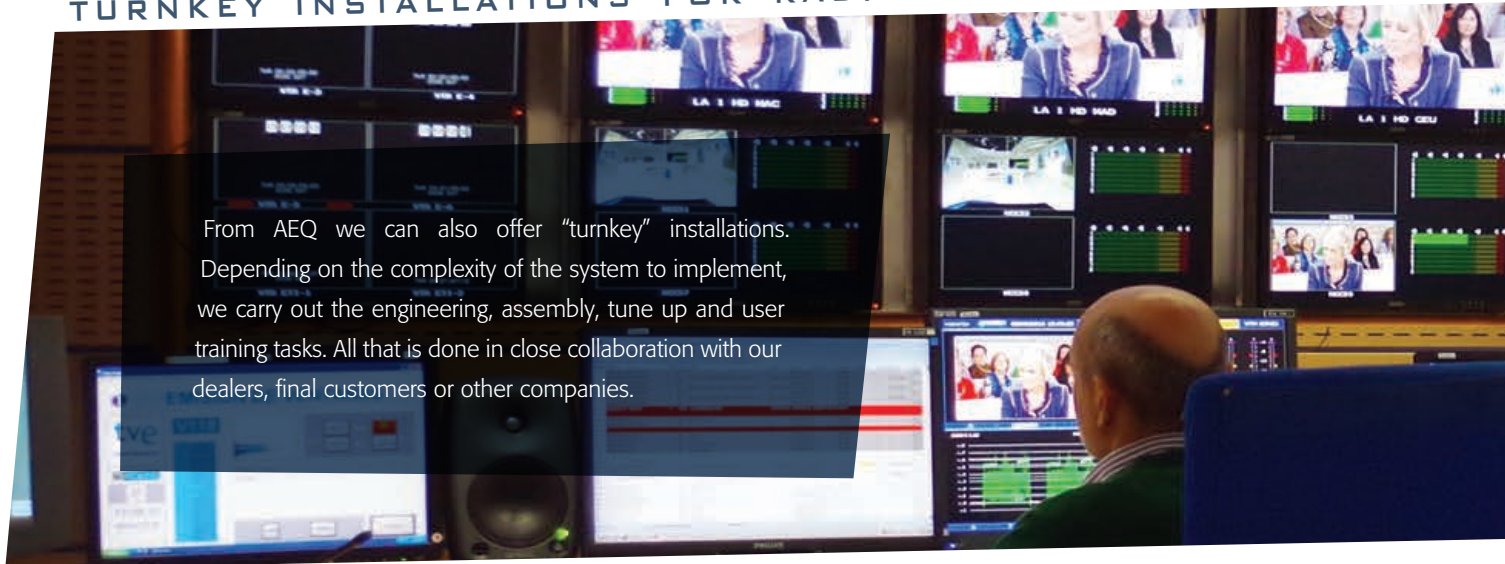
EQUIPMENT DEVELOPMENT AND MANUFACTURING



AEQ is a factory based on a powerful development team. We create our own technology and implement it on our equipment, designed for the broadcast market.



TURNKEY INSTALLATIONS FOR RADIO AND TV STUDIOS



From AEQ we can also offer "turnkey" installations. Depending on the complexity of the system to implement, we carry out the engineering, assembly, tune up and user training tasks. All that is done in close collaboration with our dealers, final customers or other companies.



SALES AND DISTRIBUTION



Our devices are sold worldwide through a large dealer network providing the local users technical and sales support.



BUSINESS MODEL



LARGE SPORTS EVENTS BROADCASTING



AEQ counts with self-designed equipment as well as a qualified team of experts for the worldwide coverage of large sports, political and social events, with an almost 30-year long experience in many Olympics and World football cups and Athletics, Swimming, Sky and Cycling championships. We can provide a Commentary System, fixed and portable audiocoders, multiplexers, audio matrixes and other complementary elements to cover the switching and intercom needs of large events.





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OUR POSITION AND VOCATION

Our technological background is mandatory for the independence of our project and to guarantee long-term continuity. Our staff and investment policies pay great attention to R&D. We are innovative in the use of new technologies, in products and also in processes. Thanks to this, AEQ is fully capable of adapting to a constantly changing technological environment.

TECHNOLOGY UPDATE

We guarantee our technological level and market environment knowledge by means of the participation in early-alert tech networks, platforms, workgroups and manufacturing or user associations. We keep collaboration agreements for R&D activities with users and Universities as well.

AT THE SERVICE OF A MARKET

And we will keep evolving, always paying attention to those technology progresses that allow us to continue covering our always-changing customers' needs with efficient and novelty solutions.

AUDIO & INTERCOM

RADIO AND TV BROADCASTING
AUDIO MIXING CONSOLES AND MATRIXES



AEQ manufactures playout and production audio mixing consoles using IP, digital and analog technologies with broadcast specifications: non-stop operation reliability, utmost sound quality, control & studio monitoring, signaling and monitor cut functions.

It also manufactures local audio transport systems based both on IP networks and digital audio switching matrixes or routers, both centralized and distributed, offering several product performance levels depending on each project requirements and size.

INTERCOM SYSTEMS

Technical Intercom Systems with a high quality and performance level, either wired -by means of IP networks or in a point-to-point basis- or wireless, for TV stations and other professional environments.

This portfolio includes broadcast quality audio intercom matrixes, physical intercom panels featuring echo cancellation, dynamics and tone processing, virtual panels running on PC and mobile devices, and systems to expand the intercom to remote locations.



COMMUNICATIONS EQUIPMENT

BETWEEN PRODUCTION CENTERS AND TRANSMITTERS, FOR REMOTE REPORTING AND TO ALLOW FOR LISTENER'S CONTRIBUTION TO THE PROGRAM



AEQ offers a range of stationary equipment able to establish high-quality bidirectional audio communications over IP lines and other important transmission means, such as:

- Codecs for IP, POTS, ISDN and point to point V35/X21 lines.
- E1/T1 multiplexers.
- Digital hybrids for conventional analog phone lines (POTS).



As a complement, the background AEQ has accumulated during the broadcasting of Olympics and other large sports and social events allows us to offer a range of portable audiocoders with audio mixing capabilities in order to establish high quality bi-directional audio communications through IP, 3G/4G, satellite and other kinds of lines.



VoIP multi-line terminals have been developed to allow for listeners' contribution to programs, which are controlled through custom-designed applications permitting an agile and flexible operation of the systems.

VIDEO AND AUTOMATION

AUDIO & NEWS PRODUCTION AUTOMATION AND MANAGEMENT TOOLS

We offer an advanced audio automation, management and playout system for professional Radio and TV broadcasting, which is constantly evolving. It provides the most powerful tools destined to cover all the usual tasks in radio & television stations and equivalent environments:

“ Create, edit and playback sounds, texts and templates or lists. This system integrates audio editors, teletype receivers, audio and text tools for editors, automatic chronicle recorders, continuity recording, program distribution on the Intranet, automatic program creation modules, manual-playout support systems, presenters' teleprompts, management and billing applications, sound archive, Internet publishing and others, also having the capacity to link to third-party complementary applications. ”



BROADCAST VIDEO MONITORING SYSTEMS

Professional TV and Video control room monitoring systems, providing integrated video quality measuring instruments, both in standard resolutions, Full-HD and UHD, even with multi-screen processing, tally, text and closed-caption superimposition, audio measurement and selection tools, marker and other kinds of functions helping professional image control.

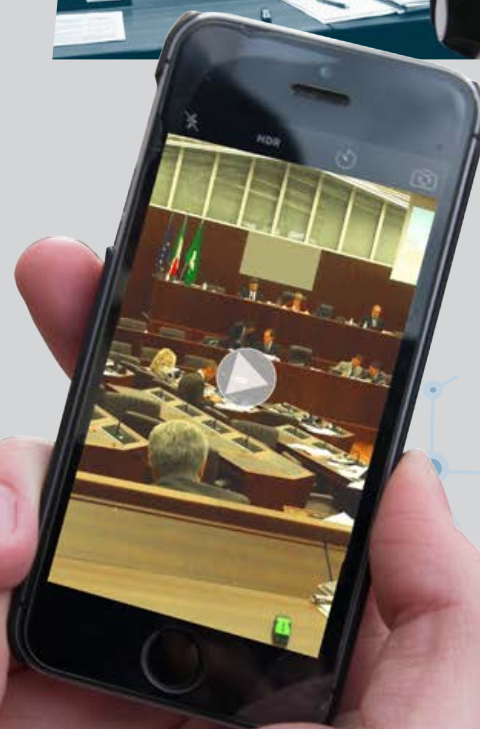


SPECIAL PROJECT SERVICES

CUSTOM DESIGNS AND AUXILIARY
EQUIPMENT TO COVER NEW NEEDS IN THE
BROADCAST MARKET AS SAME AS IN OTHER TARGET MARKETS

AEQ develops its own technology in many complementary areas. So users with specific needs can count on us in order to evaluate solutions covering their requirements and, in many cases, develop a customized system, not only related to audio and video for broadcasting, but also to other professional activities where our capabilities and background could provide a solution to technological challenges.

On the other hand, the most usual needs have driven the development of a family of accessories and complements that solve them.



INSTALLATIONS



WHY AN EQUIPMENT MANUFACTURER AS AEQ MAKES INSTALLATIONS ?

After products are developed, feedback obtained during their real testing and implementation in complex environments is vital to develop systems that are more and more useful and reliable. Besides, the support supplied by our factory provides safety and tranquility to those customers relying on us to develop their projects.

HOW AEQ DEVELOPS AN INSTALLATION

Requirements are studied, the system is designed and the solution is evaluated. If approved, special elements are developed where necessary, the system is pre-installed at our factory, it is then verified, once all is ok it's installed in-situ, its users are trained and maintenance is provided. All this is done in close collaboration with our dealers and, if required, with other companies.



ENGINEERING AND INSTALLATION OF STUDIOS, MAIN CONTROL ROOMS, INTERCOM SYSTEMS AND MOBILE UNITS

The whole station's audio and communications system are covered: radio production and playout studios built around a mixing console, adding sound sources and external lines. High quality audio links with other stations, event venues or anywhere news can happen through IP circuits, digital lines or radio links. Large intercom systems and fixed or mobile TV production control centers.



RADIO AND TV AUDIO AUTOMATION SYSTEMS ENGINEERING AND INSTALLATION.

In radio production, all the station's operations are controlled by our automation systems: acquisition and edition of audio and news, sound testimony extraction, manual and automatic playout, sound archive, multimedia contents production, web page, audio on demand, file transfer, sales management and other radio applications. And for TV, audio and news sound testimony acquisition and editing, sound archive, storage and manual and automatic playout of audio jingles and testimonies.



TURNKEY INSTALLATION OF COMPLETE RADIO STATIONS, RECORDING STUDIOS AND TV PRODUCTION CENTERS.

Assuming complete responsibility or in collaboration with other associated or independent companies, we sometimes create turnkey broadcast centers, power systems for stations, production centers, recording studios, auditoriums, multimedia systems, multipurpose centers, etc.

LARGE EVENTS EQUIPMENT INSTALLATION AND TECHNICAL SUPPORT

AEQ provides equipment and operates the whole commentary audio chain for Large Sports Events, from the venues to each TV and Radio station.

Sound acquisition is performed by means of the Digital Commentary Consoles, which are sometimes remotely operated. Fiber optics and other high-capacity IP or digital circuits are used to transmit the signals to the "International Broadcasting Center".

We also provide equipment for the "Commentary Switching Center", main control center where all audio circuits from the venues are received and supervised. IP networks to transport audio and control of digital matrixes and other devices are installed there.

From this place, all signals are controlled and routed between the venues and each radio or TV station's temporary studios, installed in the "International Broadcasting Center" and, using IP networks or dedicated cable or satellite links, they are sent towards the permanent studios each broadcaster has in its origin country.

Thousands of circuits are established and controlled in it.

Also, audio codecs are used to send the audio to the studios in each country. They are paired to other codecs deployed in each member's or associated broadcaster's base station.



COMMERCIAL NETWORK AND DISTRIBUTORS





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