Army Training Centre (ATC) Pirbright is about 30 miles west of London, close to the towns of Aldershot and Guildford. ATC Pirbright delivers the 13-week training course known as the Common Military Syllabus Future Soldier (CMS FS). This course is designed to develop essential military skills, foster mental and physical resilience, and instil the Army's core values and standards.

In 2024, ATC Pirbright launched its new Soldier Academy as part of its efforts to modernize and prepare soldiers for future technology-driven environments. A standout feature of this development was the construction of a 52-seater cinema hall within the training facility. This space serves as a multi-purpose venue, enhancing the learning experience by supporting both cinema screenings and training events with advanced audio-visual capabilities.

For the 52-seater cinema hall, Akhter installed a 4m wide x 2m high 500 Series LED video wall, featuring a stunning 176-inch diagonal display.

This video wall features an impressive 1.95mm pixel pitch, providing a fine-pitch display that delivers exceptional clarity. This upgrade reflects ATC Pirbright's commitment to blending tradition with innovation, ensuring recruits are equipped to meet the demands of modern military operations.

The cinema hall is designed to meet a dual-purpose requirement:

High-Quality Media Display: Offers an immersive experience for movie screenings, creating a theatre-like atmosphere for movie screenings during leisure time.

Professional Training Tool: Ensures sharp and clear visibility of text and presentation content, ideal for delivering instructional materials and presentations.

''The display's visuals are super clear and crisp, making it easy to view content from anywhere in the room.''

— WO2 (RQMS) M Braithwaite, Soldier Academy, Pirbright

The cinema hall is equipped with a state-of-the-art 7.1 Dolby surround sound system, delivering rich, multidimensional audio that enhances the cinematic experience. This advanced sound system also ensures crystal-clear audio for instructional videos and presentations, making it a versatile tool for both entertainment and training purposes.

The video wall offers three input sources for movie content—4K Blu-ray Media Player, Apple TV, and Google TV—along with a dedicated input faceplate (HDMI and Type-C) for presentations within the hall. Users can seamlessly control, switch, and preview inputs from the control room panel, ensuring everything is set up perfectly before being displayed on the main screen.

This installation demonstrates ATC Pirbright's commitment to integrating modern technology into its training infrastructure, fostering a more engaging and effective learning environment.

Akhter Professional Services

Consultancy and Design
Akhter Professional Services initiated the project with a comprehensive site survey, meticulously assessing the client's location for specific requirements, potential challenges, and ideal equipment placement. The survey laid the groundwork for a customized solution designed to meet the unique needs of the Ministry of Defense (MoD) environment.

Project Management
The installation was expertly coordinated by Akhter's project management team, guaranteeing an efficient and hassle-free process. With years of experience in MoD environments, the team developed a high-level technical design to address the unique challenges of the project, ensuring a smooth workflow from start to finish.

Installation
Akhter's skilled installation team carried out the installation with precision, seamlessly integrating every component of the AV system. Their deep understanding of MoD environments enabled them to tackle any unexpected challenges effectively, delivering a flawless final setup.

Training
After completing the installation, Akhter's engineers provided hands-on training to the client's team. This practical session demonstrated how to use the AV system, ensuring the personnel felt confident navigating its features and functionalities.

Tech Support, Warranty and Maintenance
To ensure the system operates smoothly for years to come, Akhter included seven years of onsite support, warranty, and maintenance**.** This proactive approach reflects their commitment to reliability and client satisfaction.

Exceptional Value

The implementation of Akhter AV Systems has ushered in a new era of possibilities, significantly elevating both the cinema and presentation experiences at Pirbright Soldier Centre. The satisfaction of our client is a testament to our commitment to excellence and innovation.

In line with ATC Pirbright's vision, we are proud to announce that over the next seven years, we plan to continue our partnership, with a goal of achieving 100% coverage across the facility. This includes the completion of the new building and the upgrade of an additional room with Akhter AV solutions. This ongoing collaboration underlines our shared commitment to delivering top-tier AV experiences and future-proofing ATC Pirbright's audio-visual capabilities.

"The Video Wall proved to be the perfect solution for our soldier academy, and we felt confident choosing Akhter as the platform to bring this project to life."

— WO2 (RQMS) M Rowson, Soldier Academy, Pirbright

About the Series

The Akhter 500 Series LED Display is a cutting-edge solution designed for ultra-lightweight, space-saving functionality and exceptional visual performance. Built with high-strength die-cast aluminum for durability, each cabinet is remarkably compact, weighing only 7.5kg with a thickness of just 80mm reduces the overall video wall footprint and making it simpler to fit in more spaces compared to other video wall solutions. Its innovative design allows for dual maintenance access, with panels that are 100% front accessible and can also be serviced from the rear. Magnetic LED panels can be removed from the front in just 5 seconds, streamlining maintenance and reducing costs. Additionally, the system supports versatile installation options, including 90-degree right-angle displays, making it ideal for specialised applications and unique architectural designs.

IP65 Protection	Thin Cabinet	Fast-assembly	High Refresh Rate
High Contrast	Front/ Rear Service	Gray Scale 16bit	Wide Viewing Angle 160°