

Air for simulated warfare

Elgi has recently been awarded a major contract from the Indian army training command for the supply of air compressors to simulate battlefield training systems.

The Simulator Development Division (SDD) in Secunderabad provides real-time indigenous training simulators for the armed forces. The SDD develops simulator software to synchronize live warfare exercises with computer based simulation. Under this virtual training exercise, soldiers will be placed in a simulator that mimics the environment of a real battlefield and control mechanisms of an actual combat platform.

This computer-driven target simulation replaces real weapon fire. The system trains the gunners to identify and track targets and to effectively shoot their weapons by holding pneumatic rifles, except it fires laser rays and the target is a giant computer screen. These rifles use compressed air as a propellant which simulates the real effect of firing. Elgi's heavy duty LG series of air compressors provide just the right pressure to give a simulated recoiling effect to soldiers when the weapon is fired. 80 units of 1HP LG series compressors have already been commissioned at the SDD.



LG Series Compressor

Elgi has a long standing relationship with the Indian Defence forces for the last 2 decades, since its first supply of Navy compressors for Corvette & Frigates. This was followed by the installation and supply of air compressors for Battle Tanks and Infantry Combatant Vehicles. Elgi's relationship with the Defence became stronger when Elgi embarked on a new sector –MI8 and MI17 helicopter compressors. This compressor was indigenized in India for the first time from Russian design and Elgi is fast emerging as an approved source for this critical application in the Indian skies.



Aviation Compressor

The defence contracts demand the very best of manufacturing systems and also require a high level of after sales support. Elgi is committed to continue its quality service and support whilst extending our development to suit the future requirements of today's defence.