



Passive ESM Tracker Simulator by ERA

The training simulator is a military reconnaissance tool, which provides training of passive emitter tracking systems and electronic warfare. The training simulator significantly decreases the time needed for new users to obtain experience without affecting the performance of the operational system. The simulator is an especially important training tool for the operators of the Passive Surveillance Systems (e.g. VERA-NG), as they are able to simulate any type of battlefield scenario: aerial, ground or naval.

The ERA company, a member of the OMNIPOL group, can deliver various simulator scenarios reflecting the above-mentioned themes or ERA experts can create any scenario on demand to simulate situations which might be extremely rare or almost impossible to find in the real-world environment, such as: navigation flights, aerial combat, AWACS monitoring or illegal border crossing. The training can be carried out using data from prepared scenarios for targets of all kinds – airborne, maritime or ground, on different simulated battlefields and terrain types.

The simulator system consists of the VERA-NG console as a workplace for operators (trainees), a simulator console as



a workplace for instructors (trainers), a central processing station and receiving universal military module.

The VERA-NG addresses critical elements in today's air defense (AD) and electronic warfare (EW) operations by providing the most advanced and state-of-the-art Passive Surveillance System designed for detection, location, identification and tracking of air, ground and naval targets. VERA-NG is Passive ESM (Electronic Support Measures) Tracking (PET) technology, which uses advanced techniques to conduct cross-border long-term and long-range surveillance without alerting neighbors. It effectively "sees without being seen".

The ERA is a leading company in multilateral, multistatic surveillance, and reconnaissance technology. We implement systems for military and civil purposes, deployed in 65 countries on 5 continents with 24/7 operations. The ERA has developed a unique passive system VERA-NG tailored for air, maritime and land target surveillance and reconnaissance for AD and EW. In parallel, the ERA made air traffic control history when deploying the first multilateral system and introducing gate-to-gate surveillance.

Photos: ERA

