HAKİM | 100
aselsan

AIR COMMAND AND CONTROL SYSTEM
#C4I

HAKİM 100 Air Command and Control System, coordinates different type of SAMs and Air Vehicles by collecting and processing data from different type of sensors. Uses advanced real time threat evaluation and weapon assignment algorithms to support operators via decision support modules both in tactical and operational level.

aselsan

HAKİM | 100
aselsan

AIR COMMAND AND CONTROL SYSTEM

HAKİM 100 Air Command and Control System ensures an effective Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) approach by working together with sensors, effectors, communication, and decision support elements in the Air Force's inventory. It is a command and control system that provides unique, in-house, and national algorithms to enable time-critical tasks to be carried out fully integrated.
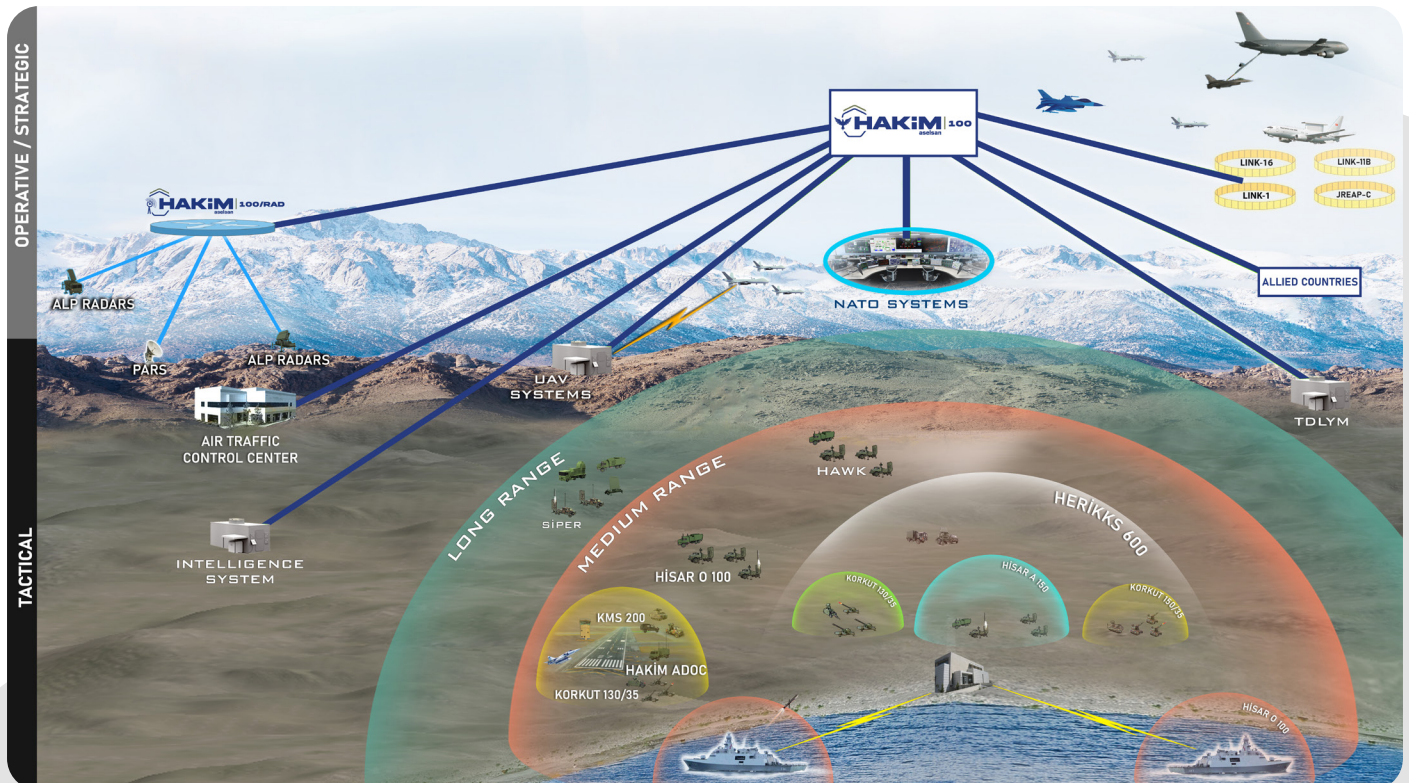
It processes the data received from different types of sensors using advanced fusion algorithms to create a precise and complete air picture, ensuring situational awareness. In addition to the air picture, it provides target classification and identification recommendations to users, facilitating the creation of a recognized air picture (RAP).

The system ranks the tracks in the recognized air picture (RAP) according to threat levels using threat assessment and weapon assignment algorithms, and offers recommendations to guide the most appropriate weapon towards the threat. With the threat assessment and weapon assignment algorithms, it provides necessary decision support elements to ensure the real-time and effective execution of air mission control using effectors such as interceptor aircrafts and AMDS (air and missile defense systems).

With its modular and scalable architecture, along with a high-redundancy infrastructure that ensures 24/7 uninterrupted operations, the HAKİM System aims to meet the operational needs of the Air Force both now and in the future. Its interoperability capabilities ensure it can work seamlessly with systems currently in the Air Force's inventory and those planned to be integrated in the future.

Technical Features

- Integrated Weapon Engagement Capability Weapon Control
- Network Assisted Sensor Control Capability
- Sensor Data Fusion Algorithms
- Threat Evaluation and Weapon Assignment Algorithms
- Modern and Reliable System
- Easy Integration and Maintenance
- Modular Infrastructure for Better Maintainability
- Real-time Data Processing Capability
- Integration with External Systems (Other Operations Centers and Decision Elements)
- Low Life Cycle Cost

aselsan