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Ground Based Air Defense Radars for Each and Every Layer

ASELSAN, the leading international defense and technology company in the domain of air defense, has built the blocks one by one to create a layered air search, surveillance and defense radar systems family varying low to high altitude coverage including ranges from very short to early warning.

The concept of air defense radars in terms of ranges and altitudes may be perceived differently based on the air defense doctrine of every single nation. However, ASELSAN, with a long lasting heritage in radars more than three decades, is proud of identifying, classifying aerial targets regardless of their Radar Cross Section (RCS) including mini/micro Unmanned Air Vehicles (UAVs) to stealth aircrafts. Within this scope, in the first layer, ACAR anti drone radar detects aerial threats from very short ranges in order to keep strategic premises safe. In parallel with this concept, MAR “Mobile Search Radar” and AKR “Fire Control Radar” are the main pillars of short-range air defense against tactical UAVs and rotary wing platforms. In the next layer, as a gap filler, KALKAN plays a vital role in medium range air defense for 3D detection and tracking fighters, helicopters, UAVs and cruise missiles. At the final stage, for long-range threats and early warning precautions, All Altitude Radar (AIR) and Early Warning Radar System (EWRS) are scalable Active Electronically Scanned Array (AESA) based air surveillance radars with advanced electronic protection capabilities.

In this sense, ASELSAN has achieved the success of offering a wide range of radar solutions to the global market with sophisticated elements of air defense, which include the integration of sensors, command control and weapons running in an interoperable chain.

About ASELSAN:

As a global technology leader, we have established an organization that delivers new experiences to our users all across the world. By investing into our highly diversified human asset, we keep growing in a sustainable and inspiring fashion.

A journey began with a radio communication device today took us to more than 500 various products and solutions that changed “status quo ante” in defense and security arena. Our ambitious global expansion strategy made us embracing investment opportunities in promising markets.

With the inspiration of our clients in more than 80 countries, we start every new day with new ideas and dreams that encourages us to challenge technology boundaries. Striving for a better planet is our endless motivation.

Note: For more information regarding the products please visit our booth at the IDEF 2023.

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