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Integrated Air Defense Command and Control Solution for Diverse Air Defense Assets

For air defense command and control domain, the mission is to comply the operational and tactical level air defense command control requirements. These requirements are met by generating real time air picture with the air threat information received from diverse radars and assigning these air threads to the most appropriate air defense weapons with threat evaluation weapon assignment algorithms to destroy these targets.

ASELSAN's state-of-the art integrated air defense command and control system stands at the forefront of air defense technology, managing the air defense activities on tactical and operational levels through its Air Defense Operation Centers (ADOC). It provides a command and control network via wire/wireless environment between ADOC's, air defense radars and weapon systems. It also organizes these individual systems so that they act as a coherent command and control system, which ensures air defense situational awareness.

With the Integrated Air Defense Command and Control System, full integration is being achieved between all command control centers at strategic, operational and tactical levels within the air force command for all kinds of planning and transactions, and the air defense of the country is being controlled through a single system.

The extended solution has an open system architecture so that any sensor and weapon systems can be integrated with reliable and secure radio communication capabilities. It is in full integration with NATO while also providing solutions to all multinational interoperability requirements. Today, ASELSAN is one of the few defense companies in the world that has the capacity to integrate NATO and Soviet-origin radars and weapon systems.

Integrated air defense command and control system has transformed the landscape of air defense, harnessing the power of integration to safeguard nations and deliver consistent protection in the face of evolving threats.

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 product, please visit our booth at the IDEF 2023.

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