

July 25, 2023

Setting New Standards in Urban Railway Transportation

COBALT® Metro Signaling System

ASELSAN is thrilled to announce the launch of the COBALT® Metro Signaling System, a cutting-edge solution revolutionizing urban railway transportation. COBALT® Metro Signaling System combines advanced features, unparalleled safety standards, and intelligent traffic management to ensure a seamless and efficient travel experience for commuters.

Designed with flexibility in mind, the COBALT® Metro Signaling System offers a configurable system design that caters to various levels of automation, from manual operation to fully automated control (GoA-1 to GoA-4).

At the core of the COBALT® Metro Signaling System lies the COBALT Maestro Automatic Train Supervision, an intelligent traffic management system that integrates multiple subsystems to optimize operations. With the Automatic Train Operation (ATO) and energy-efficient driving techniques, the system enhances efficiency and punctuality, providing commuters with a smoother and more reliable journey.

Safety is a top priority, and the COBALT® Metro Signaling System adheres to SIL 4 certification, meeting stringent safety standards. Compliance with internationally recognized standards ensures that the system provides the highest level of safety and reliability.

Utilizing Communication Based Train Control (CBTC) technology, the COBALT® Metro Signaling System leverages state-of-the-art communication systems for precise train control and supervision. The system enables shorter headways between trains through a Moving Block system, significantly increasing capacity and reducing congestion in urban rail networks.

The COBALT® Metro Signaling System boasts an easy integration process thanks to its IP-based and Distributed System Architecture. This allows seamless integration with both wayside and on-board systems, optimizing system performance and reducing operational and maintenance costs. The streamlined architecture also minimizes equipment in the field, further enhancing cost efficiency.

The COBALT® Metro Signaling System offers complete integration for external interfaces, facilitating connectivity with other systems or subsystems seamlessly. Whether for brownfield

or greenfield lines, the COBALT® Metro Signaling System provides intelligent and comprehensive solutions that meet the unique needs of urban railway networks. The market for railway signaling systems expected to witness significant growth with the increasing development of high-speed rail networks in countries.

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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