

FORTACO

FORTACO DEFENSE



FULL-SYSTEMS EXPERTISE

Fortaco develops complex, high-tech solutions for defense clients. We apply full-system expertise gained in the private sector to meet the rigorous defense-sector requirements of safety, quality, supply management, and security compliance, including separate production lines, restricted shop-floor access and visitor vetting. We possess efficiency, knowledge, and proven experience in the production of innovative defense vehicles. Fortaco provides technology and manufacturing services at several business sites in the European Union and gives support on industrial cooperation requirements. Our defense products are deployed by OEM customers worldwide.

CUSTOMIZED SERVICES

R&D and Technology Development

Fortaco's technology team provides complete project handling, from concept to engineered solutions and fully customized manufacturing services. We ensure assignment readiness and compliance with military standards. The DefenseTech team supports OEMs (Original Equipment Manufacturers) at every stage of product development and new product implementation. We bring expertise in concept design, engineered solutions, industrialization, and tailored manufacturing setup. We are proud to design cabins for the defense vehicles, combining premium quality, security compliance and safety - which is our highest priority!

Steel Fabrications

Fortaco manufactures high-performance steel fabrications, including steel structures for armoured vehicles and complex sub-components. Our integrated processes, cutting, welding, machining, and painting, ensure full control of quality, durability, and on-time deliveries. We produce complete, small and large welded steel structures, chassis, frames, bodies and protective steel structures that are designed to meet strict defense standards and withstand extreme conditions. Our modern factories are equipped with advanced welding technology and automated manufacturing process lines to improve productivity and optimize lifecycle costs.

Assembly Services

Fortaco decreases complexity in the customer value chain by managing demand fluctuations, capacity constraints, and supply chain challenges. We help our customers shorten time-to-market, lower fixed costs, and free up capital – enabling them to focus on their core business. Our offering covers the full spectrum of assembly services, from module and cabin assemblies to complete vehicle units. We also provide lifetime support, including after-sales service and spare parts management. Assembly services range from basic labor content to total turnkey solutions, including sourcing, purchasing and logistics, where we can assume full material responsibility.

Vehicle Cabins

Fortaco designs and manufactures high-quality vehicle cabins. The cabin offering covers everything from high-volume operator cabins to fully assembled, ready-to-install cabins with flexible cabin content options. With our profound expertise in cabin design and product engineering, we serve multiple industries, including the defense segment, where Fortaco offers the whole integrated solution, combining cabin hardware, customer-specific applications, and control systems. Cabin technology includes complete project handling. We have dedicated manufacturing facilities for defense products, including welding and final assembly.

CERTIFIED FOR DEFENSE EXCELLENCE NATO AQAP 2110

Fortaco's Business Site Kurikka meets the requirements of the Nato AQAP-2110 certificate, NATO's quality standard for suppliers in the defense sector. This certification is awarded when processes, products, and quality meet international requirements for military use. With AQAP-2110, Fortaco is strengthening its position as a reliable first-choice partner for demanding projects in the defense segment. Continuous commitment to safety, quality and operational excellence reinforces our position as a trusted partner in the defense segment.



Beowulf Amphibious Vehicle

Beowulf is an articulated dual-body, amphibious vehicle with well-proven technology that is designed to provide total operational support where other vehicles cannot. The vehicle is an integrated solution, combining cabin hardware and control systems and mission-specific applications. The front and rear cabins are engineered and manufactured by Fortaco's defense team. Front and rear cabins are tailor-made according to customer's requirements. Fortaco is responsible for meeting the stringent performance requirements in extreme weather conditions, mobility in water, compliance with air transportation regulations and many others. Beowulf cabins are manufactured and assembled in the Kurikka Business Site, Finland. We have dedicated manufacturing facilities, from welding to final assembly, for this specific product due to special security requirements.

Our defense products are deployed by OEM customers throughout the world, also for humanitarian services.

Our history in defense sector

Fortaco's history in the defence sector dates back to 1943, when a factory was established for the repair of heavy weapons. In the 1960s, production was expanded to ammunition body shells for heavy weapon systems. By the 1980s, operations extended to cover the repair and maintenance of armoured vehicles, followed by the manufacturing of heavy mortars, field guns, and specialized equipment for the air force in the 1990s.

In 2000, Fortaco played a key role in producing Amos mortar systems and steel structures for armoured personnel carriers. At the same time, the company entered a new defence program and industrial cooperation with Patria and the Polish Ministry of Defence, focusing on the manufacturing of suspension frames and complete assembly of brake systems, gearboxes and wheel hubs.

In recent years, defense has become one of the key segments within Fortaco's offerings. Today, we cooperate with the leading OEMs in the defense segment as an R&D partner delivering a wide range of solutions, including welded and assembled cabins, steel structures and advanced assembly services.



Fortaco is the leading full-solution provider for OEMs in the off-highway equipment industries. Pioneering the design and production of assemblies, cabins, steel fabrications, and zero emission solutions, we offer cutting-edge technology for enhanced productivity. We empower off-highway machines to use fossil-free steel and our customers to optimize their operations and move towards a greener future.

Collaborating with industry-leading OEMs, we specialize in full lifecycle solutions from research and technology to the design and production of their components and machines. Our innovative technologies extend to lightweight design, ensuring efficiency without compromising on durability and functionality.

We have operations in multiple business sites which enable flexible and reliable support for our customers.