

Media Information sheet:

BAE Systems' new CV90 MKIV

BAE Systems has introduced the next phase of development for the CV90 Infantry Fighting Vehicle (IFV) with the launch of the new CV90 MkIV. This fifth generation of the company's combat-proven IFV family represents the next step for the CV90 concept.

The new MkIV offers substantial capability upgrades, including increased drive train capabilities and active damping technology to improve battlefield speeds and handling. The new vehicle also features the latest NATO standard Electronic Architecture to meet customer demands for sensor integration and the implementation of autonomous systems.

CV90 evolution

The CV90 IFV, developed by BAE Systems Swedish business BAE Systems Hägglunds, is a modern, adaptable and combat-proven vehicle with 1,280 vehicles in 15 variants sold to seven nations, including four NATO allies. The most recent generation of the CV90, under delivery for the Norwegian Army, is one of the most modern IFVs in production in the world.

The CV90 MkIV includes a new Scania engine with up to 1,000 horsepower and the latest upgraded X300 heavy-duty transmission. The Gross Vehicle Weight Rating (GVW-R) is increased from 35 tonnes to 37 tonnes, meaning users benefit from two tonnes' extra payload – without a decrease in vehicle agility.

Key features of the new CV90 MkIV include:

- The new **CV90MkIV D-series of turrets** which feature a modular design offering 30/40-, 35/50 and 120mm main guns and weapon pods for integrated Anti-Tank Guided Missiles and machine guns. The turrets are designed to support a more extensive sensor suite integration and utilize BAE Systems' revolutionary new iFighting™ concept. The MkIV generation will also be the first Western IFV with a qualified Active Protection System.
- **Active damping** is included as part of the base offering for the chassis. This feature enables active vehicle dynamics to give users a more stable platform, allowing increased speed across all terrain. It also reduces life support cost significantly for the end user.
- The fourth generation of **NGVA Standard Electronic Architecture** which makes sensor data fusion more effective and significantly increases real-time parallel data processing. This upgrade will support machine-learning algorithms, artificial intelligence capabilities – including autonomous crew support – and Augmented Reality and 3D map data to enable future adoption and growth.

Combat-proven experience

The CV90 family provides unrivalled performance and unique advantages in the 20-37 tonne class as it is developed to easily adopt additional roles through a flexible build-up of the chassis and its assigned sub-systems. Compared to contemporary western IFVs the CV90 MkIV will be several tonnes lighter at the same protection level (Stanag 4569), with the additional GVW-R of 37 tonnes the advantage in growth potential will be enhanced further.

“The CV90 has been designed with a clear vision from the start: to create a vehicle that provides high tactical and strategic mobility, superior firepower, high survivability and protection in any terrain or tactical environment. We are committed to constantly evolving and thanks to continuous feedback and challenging requirements from our wide user group, CV90 is the most technologically advanced and proven IFV platform in operation today. This mindset, combined with a leading growth potential, uniquely positions CV90 in the global defence market,” said Dan Lindell, CV90 Platform Manager at BAE Systems Hägglunds.

The CV90 is today in use in Denmark, Estonia, Finland, Norway, Sweden, Switzerland and The Netherlands.

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