

► VEHICLE SYSTEMS

9 September 2025

Ermine – Rheinmetall's new lightweight hybrid vehicle family for modern armed forces

Rheinmetall is showing its tactical small vehicle family Ermine at DSEI 2025. It represents a new generation of tactical mobility, combining tactical transport with a mobile energy source (microgrid). It can be operated with or without a crew. Operational creativity is at the core Ermine's design. Its features enable it to act as an effective force multiplier. Ermine can operate remotely controlled and is prepared for autonomy. Ermine vehicles can be configured for various purposes, including reconnaissance & liaison, special operations, anti-tank, weapon carriers, CasEvac or generator function. At DSEI 2025, Rheinmetall is showcasing a 4x4 quad bike and a 6x6 buggy.



The modular Ermine family currently consists of an Unmanned Ground Vehicle (UGV), a side-by-side buggy and a quad. Various 4x4 and 6x6 variants are available. All vehicles are based on the same diesel-electric hybrid drivetrain and base platform. This gives Ermine maximum modularity with unrivalled agility.



Thanks to the hybrid technology, up to one ton of payload, a range of more than 1,000 kilometres and a top speed of 90 km/h are possible, depending on the vehicle's configuration. Up to four Ermine vehicles can be transported by cargo helicopters such as the CH-47 or CH-53.

The Ermine vehicles are furthermore characterised by high mobility in almost any terrain and can also be driven completely silent thanks to their electric drive. If the vehicles are not used for tactical mobility, they can be used as a mobile energy source. The Ermine family can therefore significantly increase the operational value of armed forces.

Combining the power of a highly mobile manned platform with the endless opportunities of a UGV in one vehicle, the Ermine is breaking new ground in mobility.

We look forward to seeing you at our stand S9-110.

► Key facts

- New modular lightweight tactical vehicle family with mobile energy source (microgrid) and prepared for autonomy
- High mobility and tactical flexibility
- Force multiplier for Special Operations
- Visit us at our stand S9-110

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