



# ERMINE

ERMINE is a vehicle of the latest mobility generation that combines tactical transport with a mobile energy source and is fully prepared for autonomy.

The vehicle portfolio currently consists of a

- UGV
- buggy (2-seater)
- quad bike

## **SILENT – HYBRID – LONGE RANGE**

Enabled by a 16 kWh battery, the silent drive will allow you to drive 50 kilometers through heavy terrain, and up to a 100 kilometers over the road. The series hybrid drivetrain will never run out of energy, thanks to the (diesel) range extender. Even with an empty battery you can drive away instantly for up to a 1000 kilometers.

## **ENDLESS MODULARITY**

The body structure allows for endless possibilities in mission modules and weapons systems. For example: by just changing the mission module a quad can easily be changed into a UGV.

## **SILENT POWER SOURCE**

The Ermine can be used as a next generation mobile generator. You can power any auxiliary in silent mode, and with the range extender for extended operations, which means that there is no need for mobile generators in the field anymore. The battery enables you to consume just the power you need for your systems, making your energy management more robust, and more sustainable, as this also allows you to store locally produced sustainable power sources like sun and wind.

## **DRIVELINE**

The series hybrid driveline powers the wheels electrically at all times. The torque of the electric engine, gives the Ermine the highest level of mobility possible on wheels. The diesel range extender will charge the battery whenever needed. In a series hybrid drivetrain, there is no mechanical connection between the range extender and the wheels, making the drivetrain simple, reliable and easy to maintain.

## **MODULAR CHASSIS**

The basic chassis comes in a variety of length and width, allowing for the narrow body of the quad and the wider body of the buggy. All moving parts of the chassis are common among the range of vehicles. Also, the engineers kept a racing mentality in mind, keeping critical parts easily accessible for maintenance.

## **4 TO 6 WHEELS**

The basis platform can easily be equipped with a 6x6 axle extension. All vehicles have software that is ready for an extension, automatically recognising the extension when connected. More wheels allow for more traction, more torque and a higher payload. The 6x6 enables you to transport payloads up to a 1000 kilograms.



QUAD	
<b>Dimensions</b>	
Height (foldable handlebar)	1,500 mm
Length	2,550 mm
Width	1,550 mm
<b>Weight</b>	
Dry weight	875 kg
Gross vehicle weight	1,375 kg
Towing	Trailer >750kg, manoeuvring +10 tons
<b>Performance</b>	
Top speed	Up to 90 km/h
Grade	90%
Slide slope	70%

BUGGY	
<b>Dimensions</b>	
Height	1,820 mm
Length	3,250 mm
Width	1,700 mm
<b>Weight</b>	
Dry weight	1,100 kg
Gross vehicle weight	1,600 kg
Towing	Trailer >750kg, manoeuvring +10 tons
<b>Performance</b>	
Top speed	Up to 90 km/h
Grade	90%
Slide slope	70%

UGV	
<b>Dimensions</b>	
Height	1,100 mm
Length	2,550 mm
Width	1,550 mm
<b>Weight</b>	
Dry weight	875 kg
Gross vehicle weight	1,375 kg
Towing	Trailer >750kg, manoeuvring +10 tons
<b>Performance</b>	
Top speed	Up to 90 km/h
Grade	90%
Slide slope	70%

Fording	500 m
Range	1,000 km
<b>Powertrain</b>	
Electric drive motors	30kW motor per axle 4x4
Battery	16kWh LFP 80 Volts
Range extender	Diesel stage 5 – F34
Fuel tank	70l diesel
<b>Suspension</b>	
Independent F+R	Double wishbone
Brakes	Disc brakes brakes & regenerative braking
<b>Air transportation</b>	
CH-47	Ty down/slung up to 4 vehicles

Fording	500 m
Range	1,200 km
<b>Powertrain</b>	
Electric drive motors	30kW motor per axle 4x4
Battery	16kWh 16kWh or 32kWh LFP 80 Volts
Range extender	Diesel stage 5 – F34
Fuel tank	100–160l diesel
<b>Suspension</b>	
Independent F+R	Double wishbone
Brakes	Disc brakes & regenerative braking
<b>Air transportation</b>	
CH-47	Ty down/slung up to 4 vehicles

Fording	500 m
Range	1,000 km
<b>Powertrain</b>	
Electric drive motors	30kW motor per axle 4x4
Battery	16kWh LFP 80 Volts
Range extender	Diesel stage 5 – F34
Fuel tank	70l diesel
<b>Suspension</b>	
Independent F+R	Double wishbone
Brakes	Regenerative braking & electric mechanical stop
<b>Air transportation</b>	
CH-47	Ty down/slung up to 4 vehicles

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