



ERMINE

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

The vehicle portfolio currently consists of a

- UGV
- buggy (2 & 4 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. The 4 x 4 platform allows for a payload of 500 kg.

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 and critical parts are easily accessible for maintenance.

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.

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.

4 TO 6 WHEELS

The basis platform can easily be equipped with a 6 x 6 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 | |
|-----------------------------|---------------------------------------|
| Dimensions | |
| Height (foldable handlebar) | 1,500 mm |
| Length | 2,550 mm |
| Width | 1,550 mm |
| Weight | |
| Dry weight | 875 kg |
| Gross vehicle weight | 1,375 kg |
| Towing | Trailer >750 kg, manoeuvring +10 tons |
| Performance | |
| Top speed | Up to 90 km/h |
| Grade | 90% |
| Slide slope | 70% |

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

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



| Fording | 500 mm |
|---|---|
| Range | 1,000 km |
| Powertrain | |
| Electric drive motors | 30 kW motor per axle 4x4 |
| Battery | 16 kWh LFP 80 Volts |
| Range extender | Diesel stage 5 – F34 |
| Fuel tank | 70 l diesel |
| Suspension | |
| Independent F+R | Double wishbone |
| Brakes | Disc brakes brakes & regenerative braking |
| Air transportation | |
| C-130 Ty down, CH-47 Ty down/slung up to 4 vehicles | |

| Fording | 500 mm |
|---|------------------------------------|
| Range | 1,200 km |
| Powertrain | |
| Electric drive motors | 30 kW motor per axle 4x4 |
| Battery | 16 kWh or 32 kWh LFP 80 Volts |
| Range extender | Diesel stage 5 – F34 |
| Fuel tank | 100–160 l diesel |
| Suspension | |
| Independent F+R | Double wishbone |
| Brakes | Disc brakes & regenerative braking |
| Air transportation | |
| C-130 Ty down, CH-47 Ty down/slung up to 4 vehicles | |

| Fording | 500 mm |
|---|---|
| Range | 1,000 km |
| Powertrain | |
| Electric drive motors | 30 kW motor per axle 4x4 |
| Battery | 16 kWh LFP 80 Volts |
| Range extender | Diesel stage 5 – F34 |
| Fuel tank | 70 l diesel |
| Suspension | |
| Independent F+R | Double wishbone |
| Brakes | Regenerative braking & electric mechanical stop |
| Air transportation | |
| C-130 Ty down, CH-47 Ty down/slung up to 4 vehicles | |

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