

READY FOR FUTURE DECADES

# M113 MODERNISATION





## FFG M113 upgrade concepts

# M113 MOBILITY

### M113 G2+

The maintenance upgrade:

- Modernisation within maintenance work
- 1:1 exchange of the powerpack in an M113 A2
- Use of COTS parts
- Modern engine & automatic transmission
- Fulfilment of environmental requirements
- Increased acceleration and vehicle speed
- Improved GVW of 13 tons



### M113 G3

The German approach:

- Use of COTS and MOTS parts
- Powerful German engine and transmission
- Increased acceleration and vehicle speed
- New braking and steering system
- Increased braking performance with pivot turn function
- High ergonomics: re-designed driver's compartment, intuitive drive operation
- Improved GVW of 15 tons



### M113 G4

More space for any mission:

Similar to the M113 G3 plus

- Vehicle hull extension (6 road wheels), extension provides 2 additional crew seats
- Improved suspension system with additional road wheel pairs offers a very high cross country mobility
- Raised roof to increase internal volume
- Improved GVW of 18 tons (or up to 20 tons)



## TECHNICAL DATA

Type	M113 G2+	M113 G3	M113 G4
Engine output max.	221 kW	260 kW	260–300 kW
Torque max.	1,100 Nm	1,730 Nm	1,730–1,800 Nm
Speed max.	65 km/h	70 km/h	70 km/h (72 km/h)
Inner volume	8.3 m <sup>3</sup>	8.3 m <sup>3</sup>	10.1–12.5 m <sup>3</sup>
GVW	13 to	15 to	18 to (20 to)
Payload (max.)	2.4 to	4.4 to	6.2 to (8.0 to)
Pivot turn function	-	Yes	Yes
Climbing ability	60 %	60 %	60 %
Lateral inclination	30 %	30 %	30 %

## Crew safety

# M113 PROTECTION

In response to the changing threat scenarios, FFG offers field tested and certified protection systems to counter the threat from mines, IEDs and RPG attacks by using active and passive protection systems. In addition FFG provides enhanced mine and blast protected seating, heating and air conditioning systems, NBC and fire suppression protection, and smoke grenade launchers. For self-defence, FFG offers a range of weapon stations.



### M113 VARIANTS OF FFG:

Armoured Personnel Carrier  
 Command Post  
 Reconnaissance Vehicle  
 Ambulance  
 Mortar Carrier  
 Light Armoured Recovery Vehicle  
 Cargo Carrier etc.



### OPTIONS

**FFG's modular modernisation concepts permit the integration of various options, for example:**

- Vehicle hull extension
- Roof extension
- Heavy duty suspension
- Rubber track
- Crane system
- Winch system
- Mine-roller system
- Camera system

**Integration of comprehensive protection systems:**

- Ballistic
- Mine
- IED
- RPG-7
- Fire extinguishing system
- Explosion suppression system
- Air conditioning
- NBC-protection system
- Camouflage with heat reduction

# EFFECTIVE SERVICE LIFE EXTENSIONS

## Modular upgrade concepts for the M113 FOV

For over 25 years, FFG has been developing and integrating a programme of modernisation concepts for the M113 to fulfil current and future demands. Depending on the specific requirements of each project existing integration kits can be used or FFG can develop and manufacture bespoke systems to meet customer requirements (e.g. the crane and winch system for the Light Armoured Recovery

Vehicle LARV M113). To date, FFG has modernised more than 1,500 vehicles that are in use extensively, for example in Germany, Denmark, Australia, Lithuania and Norway.

A key element of each modernisation project is the improvement of mobility. FFG has developed various solutions for all kinds of requirements.





## AFTER-SALES SERVICE

Our mobile service teams are ready to support you world-wide in case of any problems. Spare parts are immediately available for dispatch.



Scan the QR code  
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on the website of FFG.

[www.ffg-flensburg.de](http://www.ffg-flensburg.de)

Contact us to discuss how we can help you.

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## FFG FLENSBURGER FAHRZEUGBAU GESELLSCHAFT MBH

Wertstraße 24  
D-24939 Flensburg

Phone +49 (461) 48 12-0  
Fax +49 (461) 48 12-100

PO Box 1564  
D-24905 Flensburg

[info@ffg-flensburg.de](mailto:info@ffg-flensburg.de)  
[www.ffg-flensburg.de](http://www.ffg-flensburg.de)