



NAE-DEFENSE

NORTH AMERICAN EAGLE LLC

Armored vehicle & ground systems localization

A national industrial partnership



Vehicle styling illustration

Localization is our strength

We work with countries to establish local capability for armored vehicles and ground systems.

A broader offer

Several vehicle platforms can support a localization program.

A country-specific approach

The national requirement and existing industry determine the scope.

A broader vehicle portfolio

Project Titan

One vehicle presented in detail

Additional vehicles

Several other vehicle platforms
available for localization discussions

A joint portfolio review identifies the platforms that best fit your national requirements.

The national value of localization

Industrial capability	Develop domestic production and technical skills.
Workforce development	Train national engineering and technical teams.
Local participation	Define opportunities for qualified local suppliers.
Long-term support	Build the local capacity to support the vehicle lifecycle.

Project Titan: an illustrative platform



4x4

Vehicle
configuration

Up to 12

Personnel,
including crew

100 km/h

Stated maximum
speed

650+ km

Stated cruising
range

Styling illustration. Specifications and configuration require technical confirmation.

The proposed localization scope

Prototype program

Design, fabrication, assembly, testing and verification.

Production facility

Facility planning and construction supervision.

Technology transfer

Defined technical documentation and knowledge transfer.

National team

Engineering and technical training during the program.

Your industrial baseline sets the scope

Existing facilities

Assess whether current facilities can support the proposed program.

New capacity

Define facility requirements where additional capacity is needed.



Illustrative facility image

Capability develops inside the country

Training during the program

National engineering and technical teams participate as the program develops.

Documented knowledge

The transfer package defines the documentation and support the customer receives.



Illustrative training image

Clear responsibilities for each partner

PROPOSED TECHNICAL WORKSTREAM

NAE-Defense and the agreed technical partners

Coordinate the agreed transfer scope.
Support prototype and facility work.
Deliver the contracted training package.

CUSTOMER WORKSTREAM

The national customer and local industry

Nominate the local team and site.
Lead local business operations and finance.
Own commercialization responsibilities.

A staged commitment

01

Requirements

Agree the operational and industrial objectives.

02

Feasibility

Assess the site, partners and localization scope.

03

Proposal

Define costs, rights, deliverables and responsibilities.

04

Decision

Approve the program against agreed evidence.

The investment case

A joint assessment establishes the commercial case before major capital commitments.

Program economics

Facility and tooling costs, transfer fees, training, operating costs and production demand.

National participation

Local workshare, workforce needs, supplier participation and support responsibilities.

A decision grounded in evidence

Technical confidence

Confirm the configuration, validation plan and acceptance criteria.

Partner confidence

Review technical partner capabilities, references and responsibilities.

Commercial confidence

Agree the scope, technology rights, costs and delivery terms.

Execution confidence

Set milestones, reporting requirements and decision authority.

The next step

A joint localization workshop

We propose a working session with your government and industrial representatives to define the opportunity.

Customer participation

Nominate a focal point and share the priority requirements and candidate site.

Agreed outcome

A candidate platform shortlist and a defined scope for the feasibility assessment.

Technical appendix

Reference specifications and technical illustrations

Program scope

PROTOTYPING

4x4 vehicle for 10+2 personnel. Detailed design, long-lead procurement, production, testing and verification at the customer's facility or land. Design, fabrication, assembly and testing through to the final product.

FACILITY CONSTRUCTION

Expand an existing facility or construct a new facility on customer property. Supervise construction for a capacity of 4 vehicles per month. Facility construction runs in parallel with prototyping.

CUSTOMER RESPONSIBILITIES

Commercialization: marketing and sales, business operations, finance, customer relations and technical service. These activities are outside the technology transfer scope.

TRAINING & SUPPORT

Train the customer's engineering team and provide detailed technology transfer documentation. On request: facility operation for 1 year and consultancy for 2 years.

Work package 01 / Facility

- Supervise a new facility on customer land or an extension to the existing facility.
- Build during prototype-material procurement so prototyping can take place in the new facility.
- Production line capacity: 4 vehicles per month.



	M0	M 1	M 2	M 3	M 4	M 5	M 6	M 7	M 8	M 9	M 10	M 11	M 12	M 13	M 14
1. Fabrication Workshops															
- Plate Cutting															
- Hall Fit up & Welding															
- Painting															
2. Installation Area															
3. Vehicle Testing Area															

M0: Contract effectiveness and advance payment

Work package 02 / Prototyping

- 4x4 armoured tactical vehicle for a maximum of 10+2 personnel.
- Use the customer's new facility or a facility in the customer's country.
- Design, fabrication, assembly and testing through to the final product.



	M 0	M 3	M 4	M 5	M 6	M 7	M 8	M 9	M 10	M 11	M 12	M 13	M 14	M 15	M 16	M 17	M 18	M 19	M 20	M 21	M 22	M 23	M 24	M 25	
1. Detailed Design																									
2. LLI Procurement																									
3. Production																									
4. Testing and Verification																									

Work package 03 / Training

- Train the customer’s engineering and technical teams during prototyping.
- Provide detailed technology transfer documentation.
- Optional 2-year consultancy for design, requirements and procurement: engines, dashboard, electrical features and hull.



	M 0	M1	...	M25	M26
1. Training and in-house Production			...		
2. Documentation			...		
3. Consultancy		24-month consultancy and supervision after the end of the project			

Mass production

4 VEHICLES / MONTH

Planned facility production capacity.

50 VEHICLES / YEAR

Stated annual production capacity.

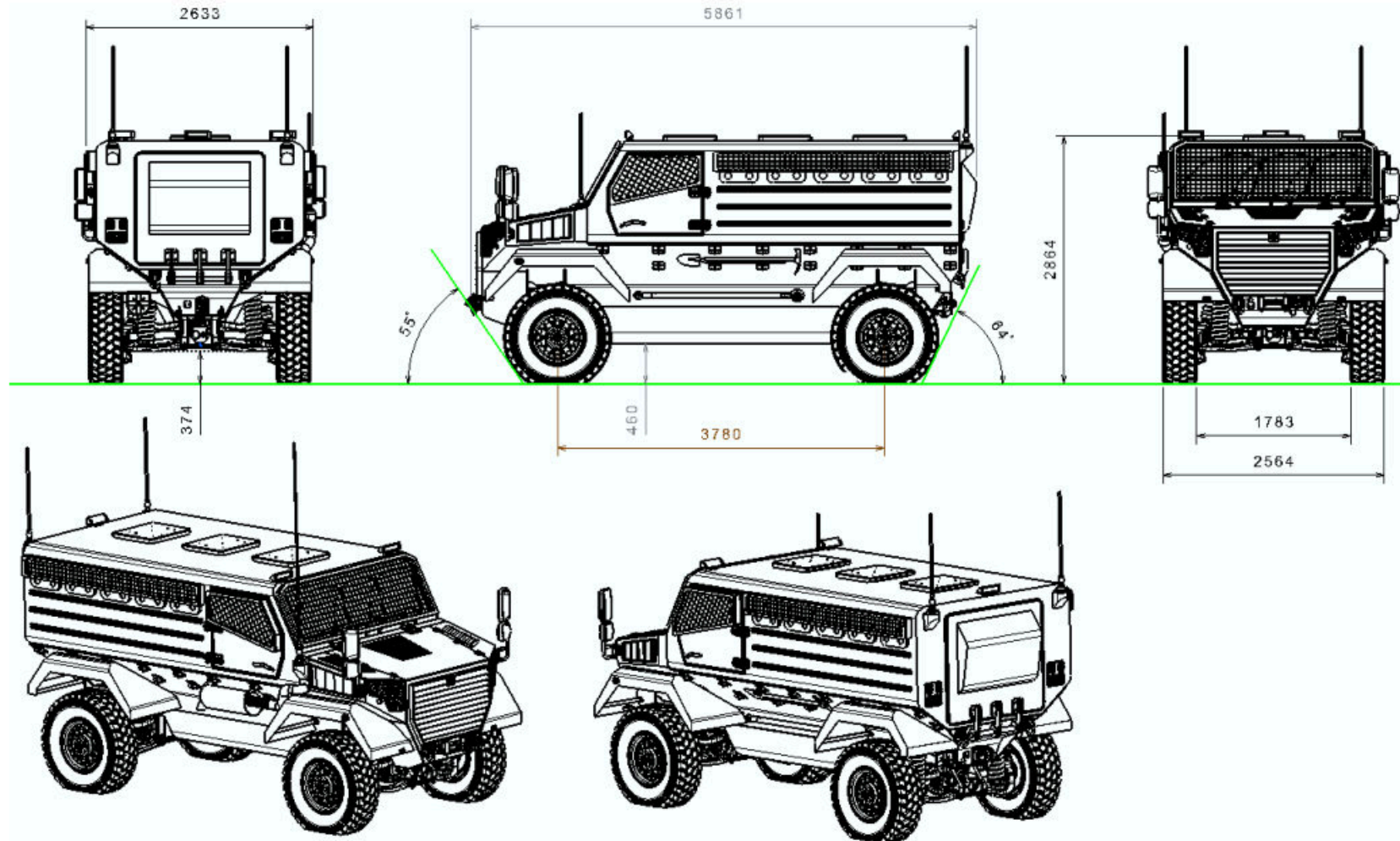
	M 20	M 21	M 22	M 23	M 24	M 25	M 26	M 27	M 28	M 29	M 30	M 31	M 32	M 33	M 34	M 35	M 36	M 37	M 38	M 39	M 40	M 41	M 42
1. LLI Procurement																							
2. Kit Fabrication & Procurement																							
3. Production																							
4. Test & Delivery																							

Procurement • Kit fabrication • Production • Test and delivery

Key design features

- 01 Powerful engine
- 02 Overlapping side and rear doors
- 03 High mobility and agility
- 04 Additional payload capacity
- 05 Fully independent suspension
- 06 Comfort features
- 07 Designed for a high level of ballistic protection
- 08 Worldwide after-sales support availability
- 09 Configurable right- and left-hand drive controls

Vehicle dimensions



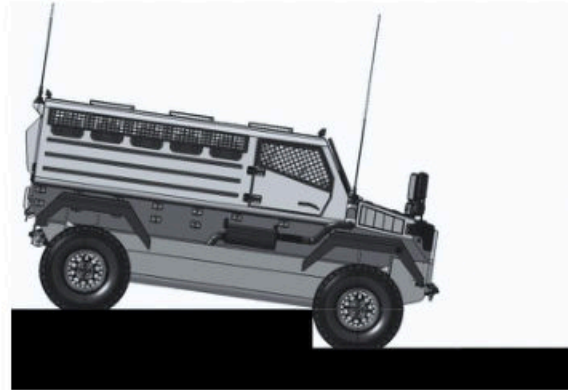
Mobility & maneuverability

Specification	Data
Speed	100 km/h
Fuel tank capacity	300 L
Fuel type	Diesel; suitable for F54 and F32
Cruising range	650+ km
Gradient / side slope	60% / 30%
Departure / approach angle	64° / 55°
Vertical obstacle	0.53 m
Trench crossing	1.1 m
Fording without preparation	1.2 m
Operating temperatures	-20°C to +55°C

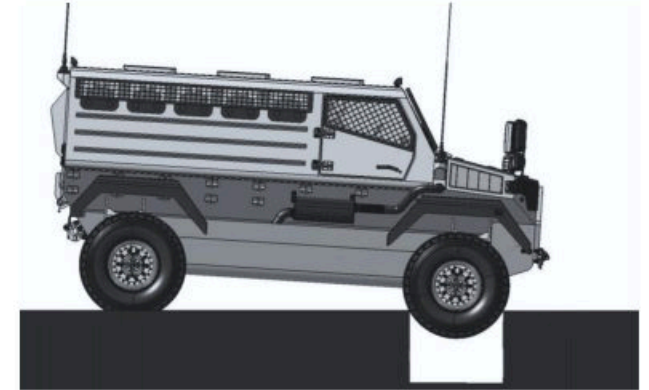
Mobility profile



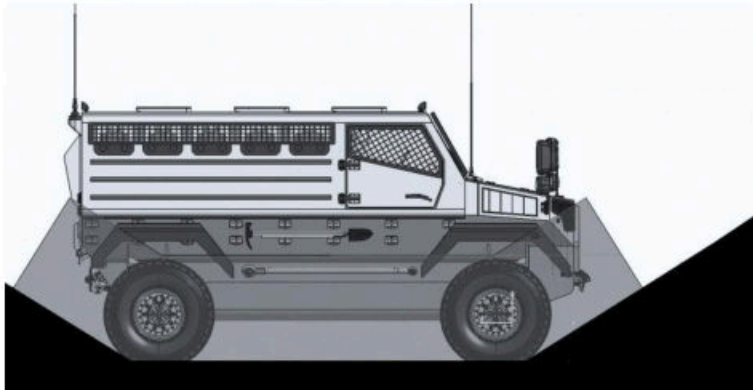
0.53 m / Vertical obstacle



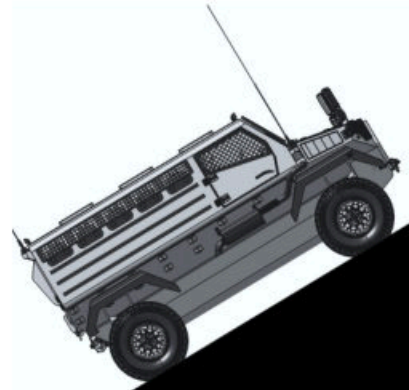
0.53 m / Vertical obstacle



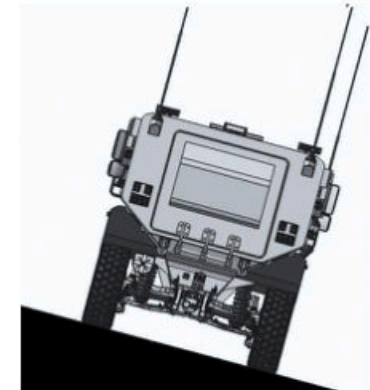
1.1 m / Trench crossing



1.2 m / Fording

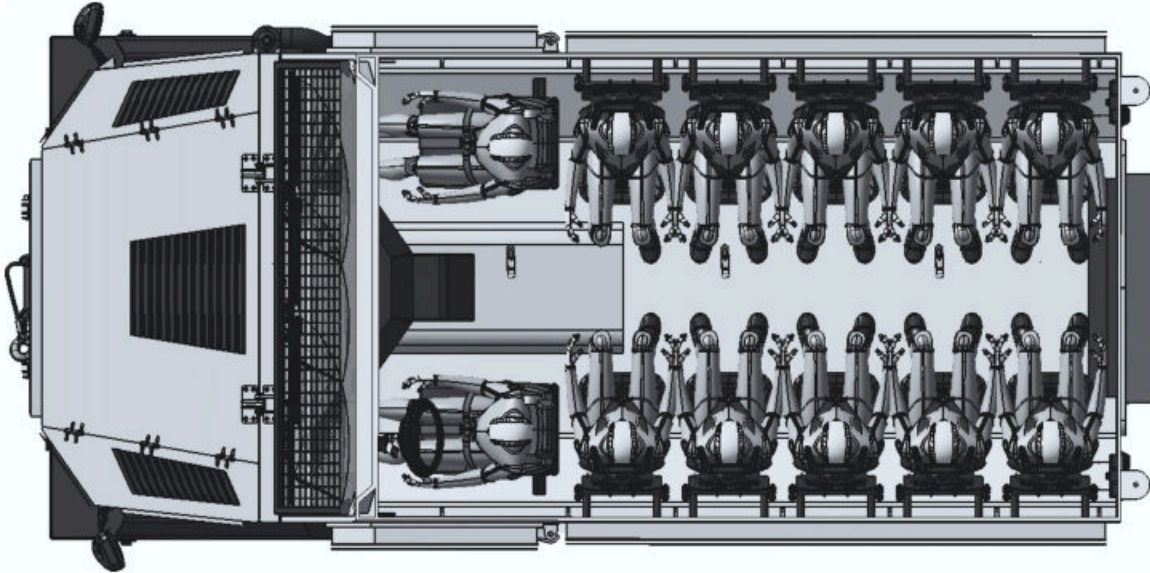


60% / Gradient



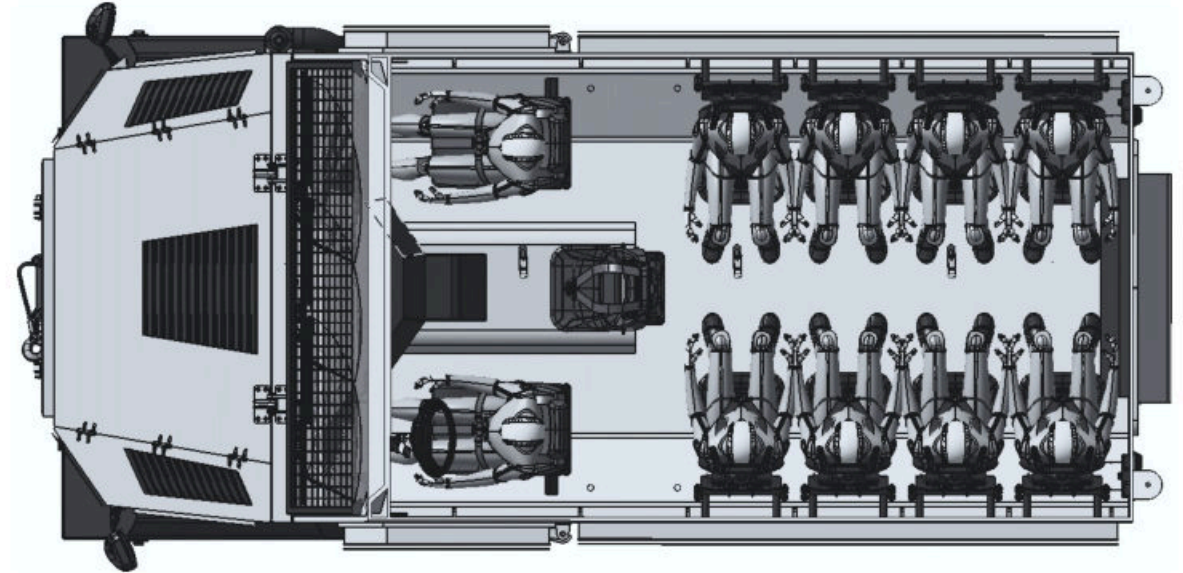
30% / Side slope

Personnel configurations



CONFIGURATION 01

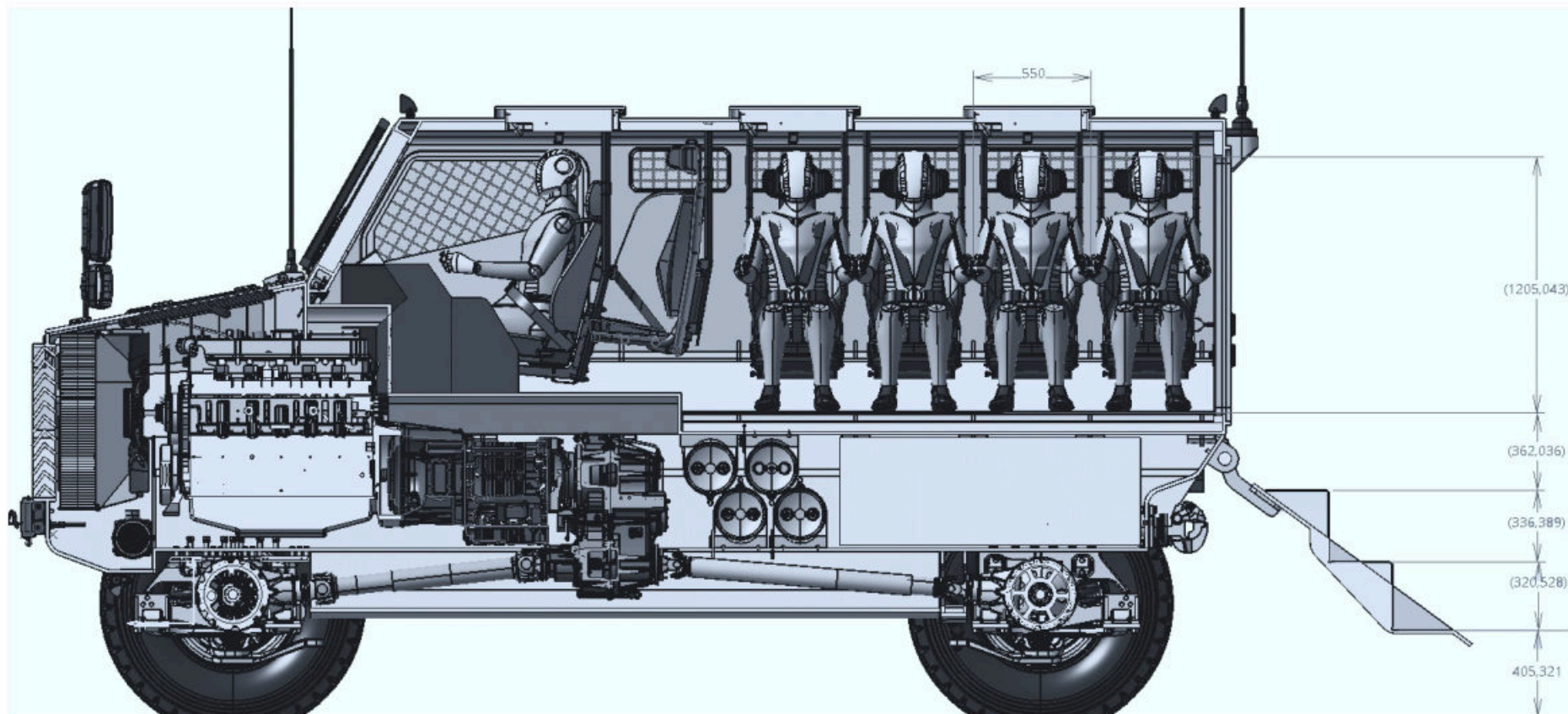
10 personnel + 1 driver + 1 commander



CONFIGURATION 02

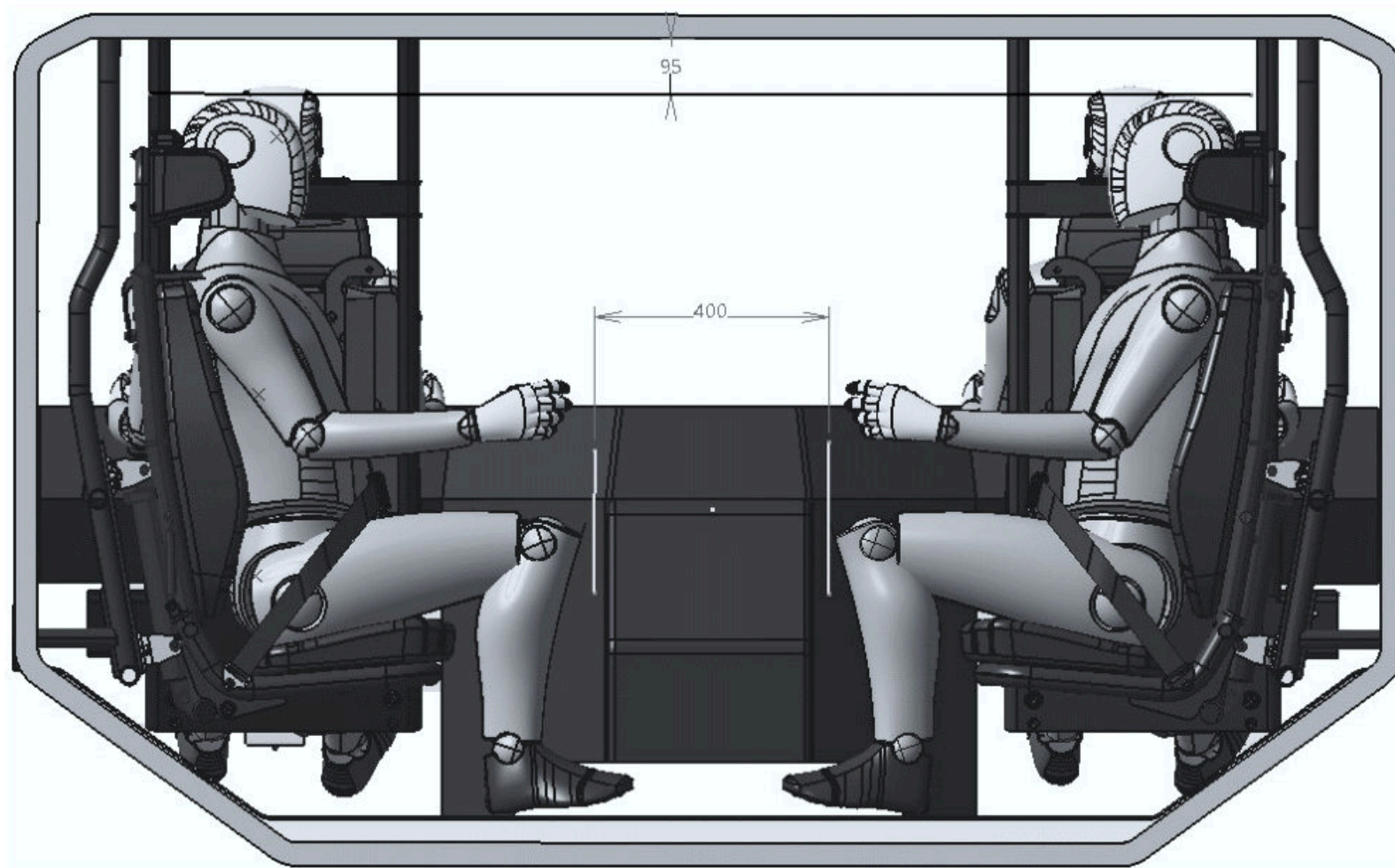
8 personnel + 1 driver + 1 commander + 1 gunner

Rear door access



Rear door for rapid entry and exit

Ergonomic seating & interior volume



Engine

Specification	Data
Model	Cummins ISL, 6-cylinder, 8.9 L
Type	Turbocharged, intercooled diesel
Maximum power	400 PS (298 kW) at 2,100 rpm
Maximum torque	1,550 Nm at 1,100-1,400 rpm
Fuel injection	Direct injection, high-pressure common rail
Emission level	Euro 3

Transmission & transfer gearbox

TRANSMISSION

Specification	Data
Model	Allison SP3200
Type	Fully automatic
Gears	6 forward / 1 reverse with torque converter

TRANSFER GEARBOX

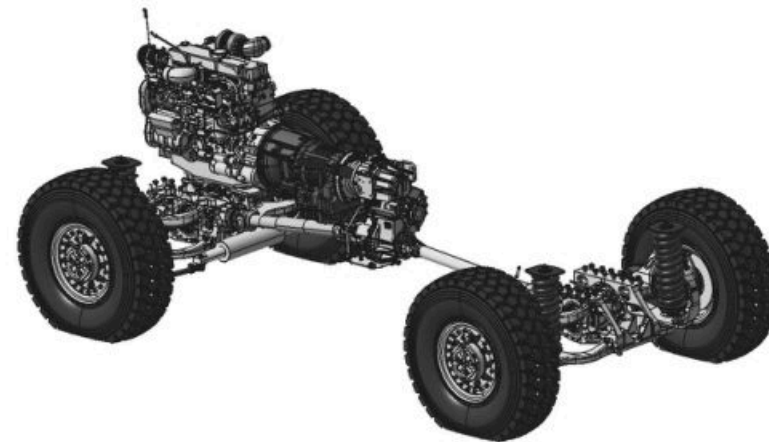
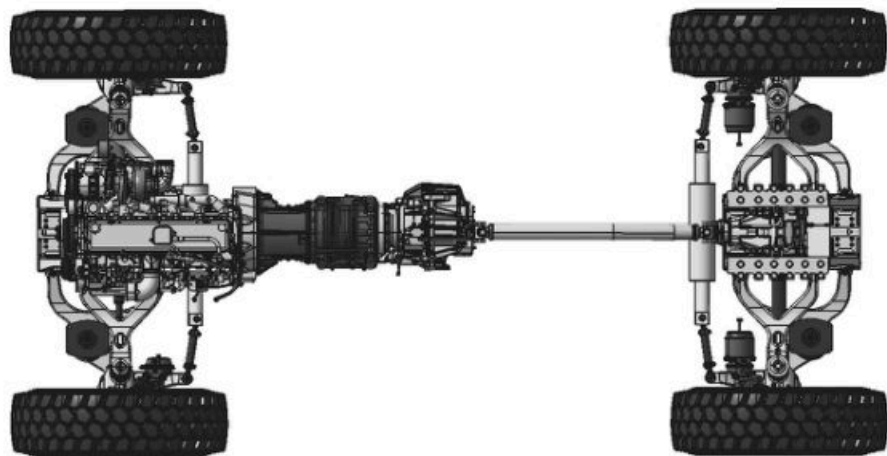
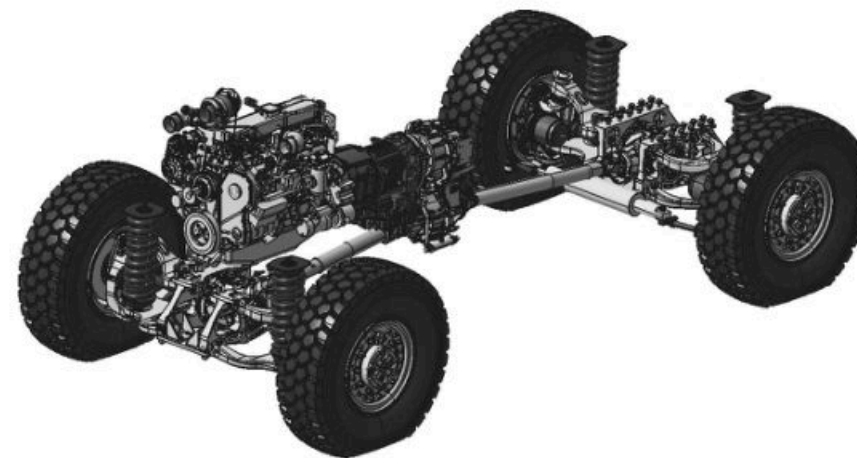
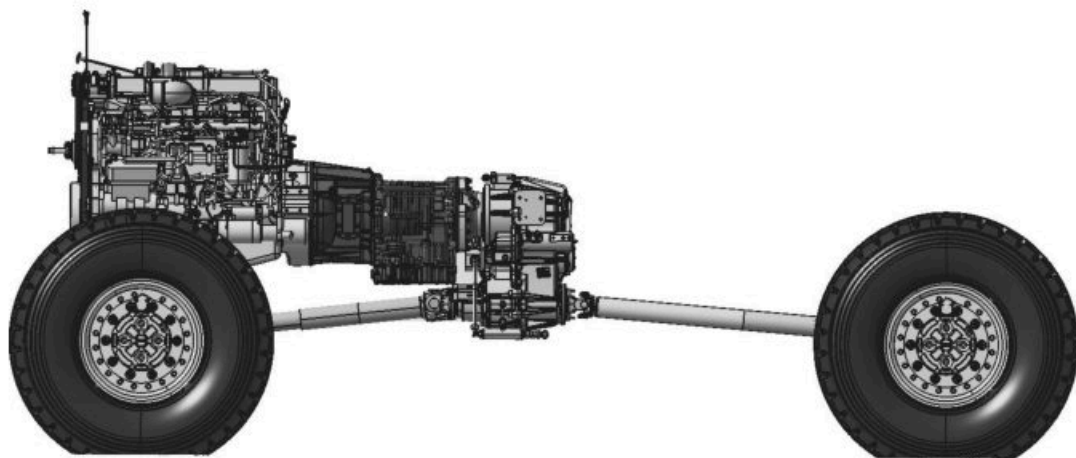
Specification	Data
Model	BASE TKA-420A
Type	All-wheel drive
Gears	Low / High / Neutral
Drive configuration	Continuous 4x4 with interaxle differential lock

Suspension & wheels

Axles & suspension	Specification
Model	BASE BTA110
Suspension	Fully independent; coil springs and shock absorbers
Differential	Differential lock
Wheel hub	Planetary hub reduction

Wheels	Specification
Tire / rim	14.00 R20 / 10 x 20 in.
Run-flat	Standard
CTIS	Programmable settings for different ground conditions

Powertrain layout

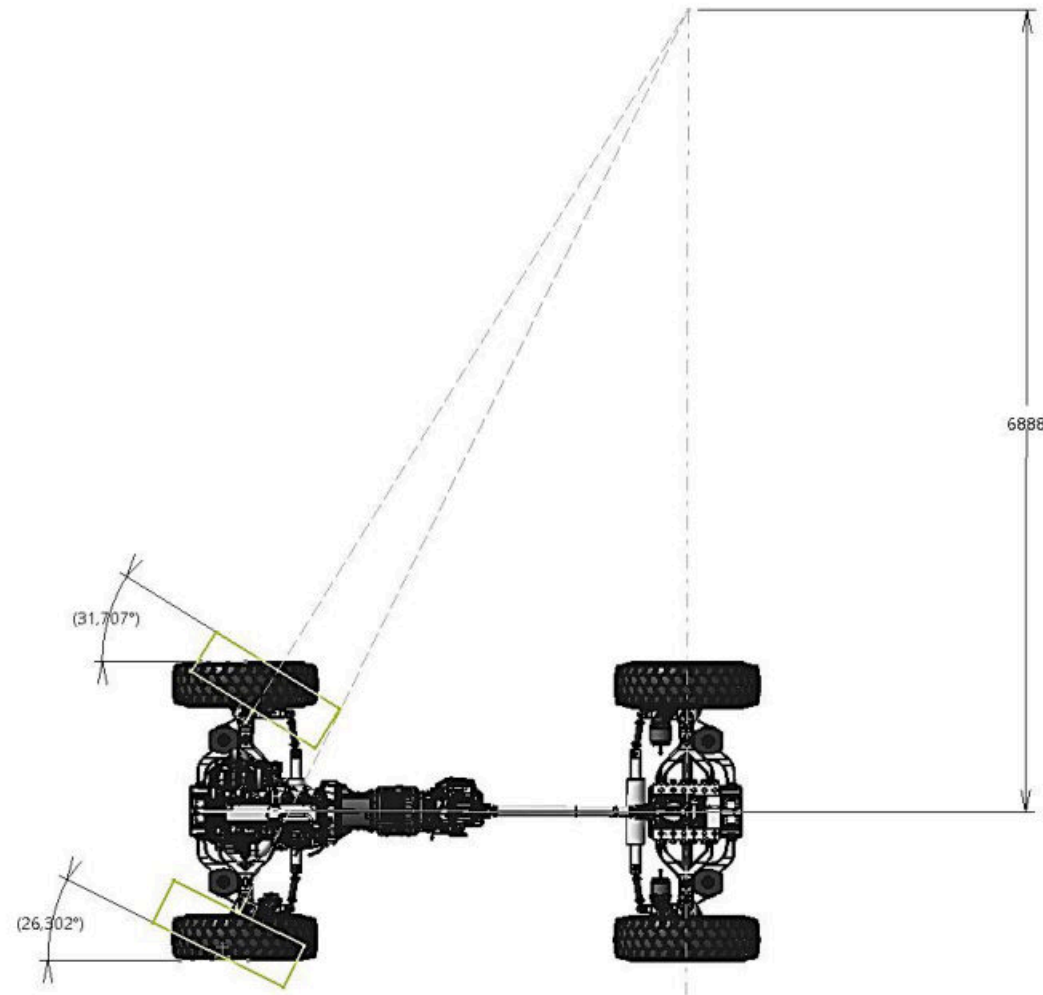


Steering & brakes

Steering system	Specification
Type	Hydraulic power-assisted
Steering column	Telescopic, tiltable steering column

Brake system	Specification
Service brakes	Full air, dry-type disc brakes
Parking brake	Spring-actuated

Steering radius



Electrical & ergonomics

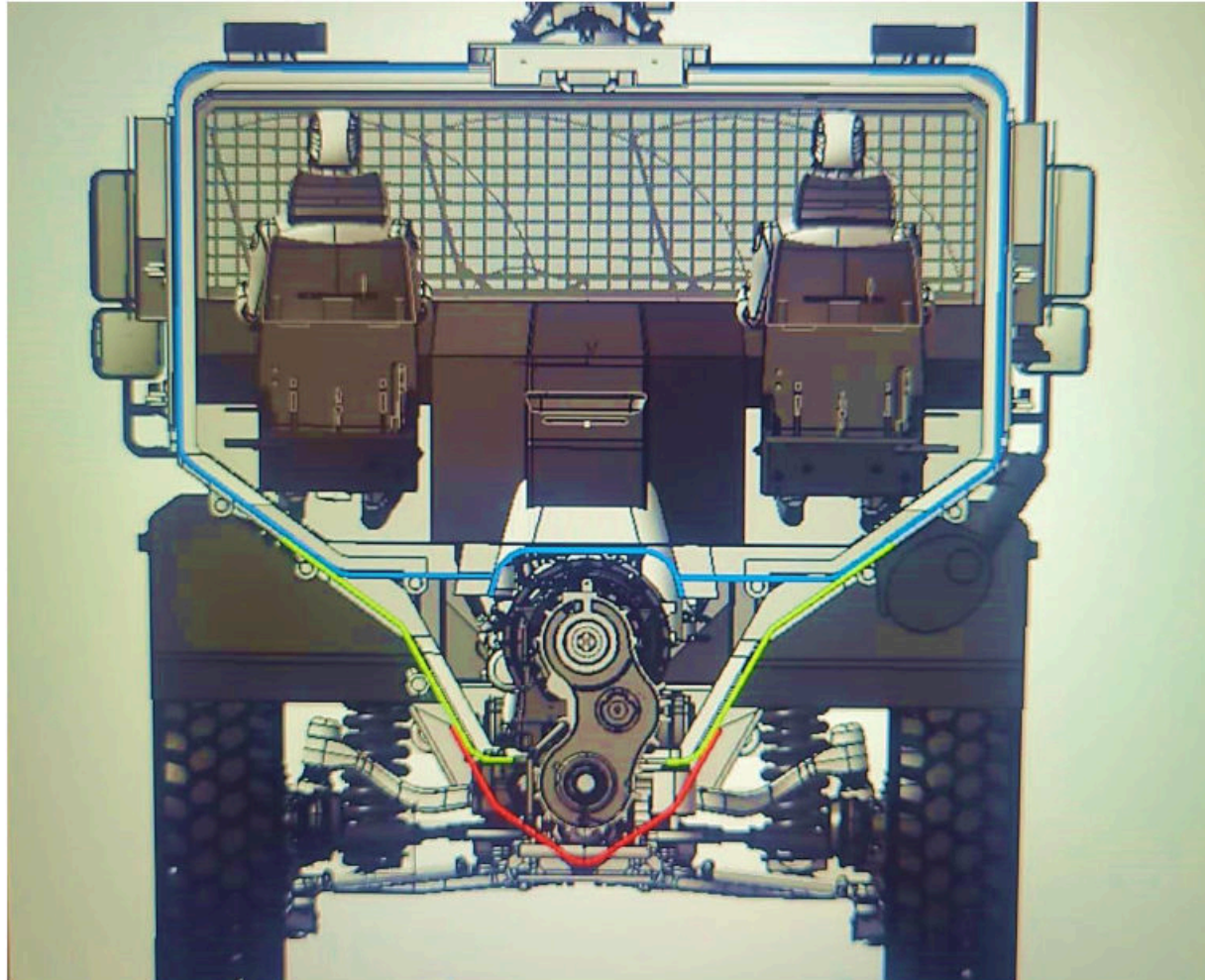
Electrical system	Specification
Batteries	2 x 12 V
Alternator	24 V, 190 A

Ergonomic features	Specification
Seats	Ergonomic seats as standard
Air conditioning	Separate controls for front and rear
Maintenance	Easy access to subsystems
Doors	One on each side and one at the rear
Gun ports	Multi-angle firing, left- and right-handed
Gun mounts	Accessible mounts for the crew

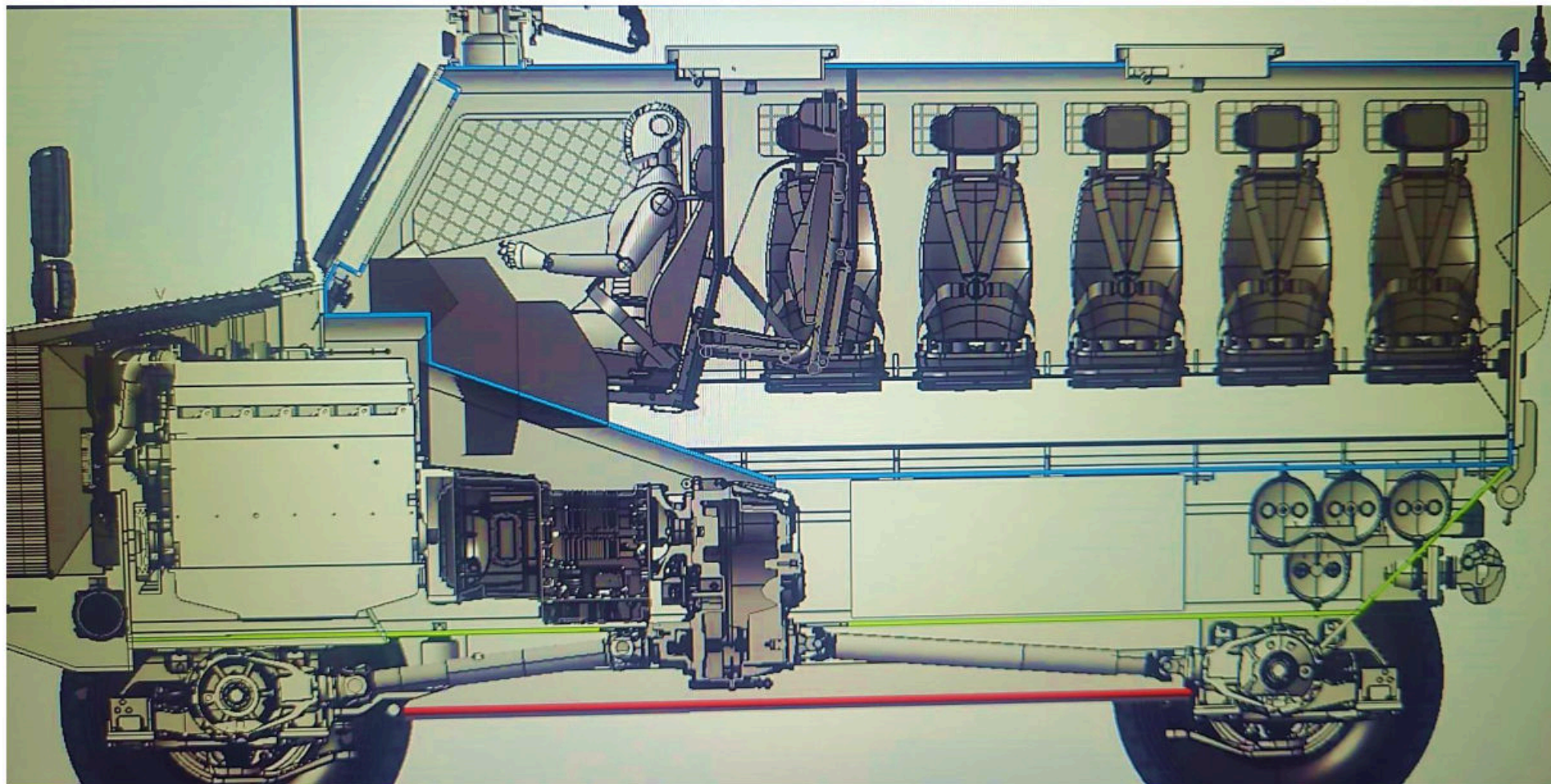
Standard equipment

- Driver assistance cameras: front and rear
- Run-flat tires
- Air conditioning system
- Projector
- Self-recovery winch: 18,000 lb
- Engine fire suppression system
- Mine locks on each door
- Hydraulically powered rear door

Front compartment layout



Side section & internal layout





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WM@NAE-Defense.com

+1 616 502 3280