



We are a specialised and experienced team that thrives on design and engineering challenges.

With a focus on automotive, specialised vehicle, and energy solutions for industrial applications, we balance our extensive experience across industries and applications. We keep a constant finger on the pulse of cutting-edge technologies and implement best-of-breed applications to deliver a robust blend of reliability and efficiency.

We emphasise modularity across time and scale so all our products can scale to suit your expanding requirements and are designed to be upgraded as new technologies are introduced, giving your investment a significantly longer lifetime.

Introducing Thor GenTruck - The rapid-deployment Genset truck by Olympus

Thor GenTruck is a completely modular generator truck that is designed from the ground up to deliver power wherever it is needed rapidly and efficiently. With multiple customization options, Thor can be as flexible as the imagination of our customers. We are presenting Thor in one of its current applications that shows off several of its abilities but the possibilities are endless.

THOR

In this specific configuration, Thor is a versatile, high-stamina, silent, energy-efficient lighting system and a very capable toolbox, all wrapped in a rugged and compact package.

It can be rapidly deployed as a lighting and energy source for situations such as:

- **Disaster recovery**
- **Search and Rescue**
- **Riot control**
- **Emergency Fire & Rescue**
- **Archaeology & Excavation**
- **Outdoor events**

More application examples

Aviation Lighting – Situations requiring maintenance/repair that happen on an Aircraft. Vehicle can provide work illumination, scene lighting, electrical + pneumatic supply and storage facility of special and generic tools.

Mining – Repairs on equipment where vehicle will supply workers with work illumination, scene lighting, electrical and pneumatic air supply for tools as well as storage for specific tools. Vehicle will permit quick deployment to repair situation with everything required onboard.

Construction Sites – Work illumination, scene lighting, electrical and pneumatic air supply for tools as well as storage for specific and generic tools required to work during night time.

Public Events – Scene lighting as well as electrical power supply for entertaining equipment. Vehicle can be equipped with cable reels, power distribution equipment and other specific equipment.

Sport Events – Scene lighting as well as electrical power supply required for the event. Vehicle can be equipped with cable reels, power distribution equipment and other specific equipment.

Filming – Scene lighting as well as electrical power supply for filming equipment. Vehicle can be equipped with cable reels, power distribution equipment and other specific equipment.

Bad Grid or No Grid Applications – Situations where continuous reliable electrical power is required in remote areas where there is lack of grid infrastructure or else grid power is frequently disturbed. The generator truck offers fast deployment of a reliable power plant to power sensitive equipment that cannot be disturbed by grid cut outs.

Detailed application example

In the current configuration, Thor is kitted out as an Emergency Response Vehicle

Thor is specifically designed to support emergency scenes with a high-power rating to operate a whole crew with electric tools and flood an area with light.

- **Drive and power solution**, where one unit can rapidly be deployed off grid and power multiple high current applications whilst providing lighting, compressed air, and tools with enough fuel autonomy for multiple-day operations.
- **The vehicle eliminates multiple units and processes**, making towing a generator and rigging history. Once on site the vehicle can be deployed in two minutes, with fully accessible cabinets hosting tools and other fixtures needed for rapidly scaling up and operation.
- **The THOR unit is based on a modular design** which can be configured from a light and fast power solution to a near silent unit allowing for deployment in urban areas and backing up existing power networks that are either unstable or unavailable for a period.
- **The large fuel autonomy** offers a true start and forget, whilst refuelling is as easy as driving up to a fuel station with a chassis small enough to pass through the tightest roads.

Product Features

- 60kVA Three Phase Standalone Diesel Generator Truck
- 200lt Genset Dedicated Fuel Tank (Avg. 20Hr Autonomy)
- Deep Sea DSE8610 Genset Controller
- 80db at 1m Sound Insulation
- Powder Coated Galvanised Steel Super Structure
- Integrated Battery Chargers with External Connector
- 4x Protected Three Phase Socket Outlets
- 4x Protected Single Phase Socket Outlets
- Dedicated Cable Entry Area into Super Structure
- Dedicated Maximum Output Terminal Block Connection
- Remote Actuated 6m Retractable Illumination Pole
- 360deg Tilt & Turn Illumination Head
- 2x300W LED Scene Lighting Lamps
- Pneumatically Actuated Roof Safety Rail
- 7x Lockable Illuminated Storage Cabinets
- Custom Mountings for Auxiliary Equipment Specified
- Vehicle Perimeter Scene Lighting
- Onboard 24lt Air Compressor



FIRE

Optional Product Features

Gentruck Continuous Rated Power [kVA]	60	80	100	125	150	
Generator Fuel Tank Capacity [Litres]	100	200	500	1000		
Sound Insulation [db @ 1m]	60	80	90			
Superstructure Material	Galvanised Steel	Aluminium				
Power Outlets Configuration	Customisable - Client Specific					
Flood Light Mast Height [m]	6	9				
Flood Light Head Options	Fixed	360 deg Tilt & Turn				
Flood Light Power Output [W]	300	500				
Storage Cabinet Configuration	Customisable - Client Specific					
Auxiliary Equipment Configuration/Packaging	Customisable - Client Specific					
Auxiliary Scene Lighting - LUMICONE [m]	4	6	9	15		
Onboard Air Compressor Capacity [Litres]	24	80	100	150	200	270
Roof Safety Rail	None	Pneumatically Actuated				
Chassis Options	Mitsubishi Fuso 4x4	Mitsubishi Fuso 7C18 Dual Cab	Isuzu Forward N75.150 M/T	Toyota Hino		

Some applications of the THOR unit are:

Industry	Power Generation	Extended Range	360 Illumination	Pneumatic / Air Tools	Quiet (<60dB@1M)
Aviation	X	X	X	X	
Automotive EV	X	X			X
Mining	X		X	X	
Construction	X	X	X	X	
Events & Camping	X		X		X
Sports Events	X		X		X
Film industry	X	X	X		
Power & Infrastructure	X	X	X		X
Emergency Response	X				
Coastal & SAR	X	X	X		
Oil & Gas	X		X	X	
Environment	X	X			X

Accessories options: work scene illumination, cabling and reels, power distribution banks, breathing air & nitrox, industry specific tools, remote monitoring, automatic failover, charging banks, command & control station, refrigeration, 110/240/400v single and three phase, WAN & Satellite connectivity, VHF base, renewable energy inputs, environmental sensors, water and liquid pump, heat generation, shelters, mobile clean room, habitats, industrial gas storage

Vehicle Specifications (as shown)

CHASSIS CHARACTERISTICS

Manufacturer	Mitsubishi
Model	7C18
Cab type/Crew	Comfort, Single Cab / 3
Engine Capacity	2998cc
Fuel	Diesel
Rated Power	175hp/2865 rpm - 430Nm/1600 rpm
Transmission	DUONIC Automatic
Tyres	205/75R17C.5C 124/122 Mw
	Single tyres at front, twin tyres at rear
Emission Class	EURO VI
Turning Circle	13.8m
Wheelbase	3400mm
Fuel Capacity	100lt
Electrical System	12 Volt (100AH - 760A (EN))

GENSET CHARACTERISTICS

Continuous Rated Power [kVA]	60kVA
Engine Manufacturer	Perkins
Engine Model	1103A-33TG2
Fuel	Diesel
Fuel System	Mechanical
Cylinders	3 / in-line
Cubic Capacity [Litres]	3.3
Induction System	Turbocharged
Power Output [kWm] @ 50Hz	55
Cooling System	Water Cooled
Consumption	
- [lt/hr] @ 100% Power	14.6
- [lt/hr @ 75% Power	10.8
- [lt/hr] @ 50% Power	7.56

GENSET CHARACTERISTICS

Generator Manufacturer	Meccalte
Generator Model	ECP 32-2M/4
Frequency [Hz]	50Hz
Power Factor	0.8 cosØ
Genset Controller	DSE 8610 MkII
Outputs	4x CEE 5x32A/400V
	4x CEE 3x16A/230V
	1x 125A Terminal Block
	2x 2P+E 13 A Double Pole Switched
Sound Insulation [Selectable Option] [db @ 1m]	80
Battery Charger	Vehicle & Genset with ext connector CEE 16A/230V
Genset Fuel Capacity [lt]	200
Safety	3x Emergency Stop Buttons

SUPER STRUCTURE

Structure	Steel with Corrosion Resisting Coating
Panel Material	Galvanised Steel
Finish	Powder Coated
Storage Cabinets	7x Illuminated with Lockable Shutters

AUXILIARY EQUIPMENT

Air Compressor	24 LT - 240V
Retractable Mast	Remote controlled - 6m - Extendable Aluminium Mast
Scene Lighting	2 x 300W LED Flood Lights with Remote Controlled Tilt & Turn Head
Vehicle Perimeter Lighting	4 x 13W LED Scene Lights
Roof Hardware	1m Pneumatically Deployable Roof Railing



Range Specifications

CHASSIS CHARACTERISTICS	
Manufacturer	Mitsubishi
Model	7C18
Cab type/Crew	Comfort, Single Cab / 3
Engine Capacity	2998cc
Fuel	Diesel
Rated Power	175hp/2865 rpm - 430Nm/1600 rpm
Transmission	DUONIC Automatic
Tyres	205/75R17C.5C 124/122 M
	Single tyres at front, twin tyres at rear
Emission Class	EURO VI
Turning Circle	13.8m
Wheelbase	3400mm
Fuel Capacity	100lt
Electrical System	12 Volt (100AH - 760A (EN))

GENSET CHARACTERISTICS						
Continuous Rated Power [kVA]	60kVA	80kVA	100kVA	125kVA	150kVA	
Engine Manufacturer	Perkins	Perkins	Perkins	Perkins	Perkins	
Engine Model	1103A-33TG2	1104A-44TG2	1104C-44TAG2	1106A-70TG1	1106A-70TAG4	
Fuel	Diesel	Diesel	Diesel	Diesel	Diesel	
Fuel System	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	
Cylinders	3 / in-line	4 / in-line	4 / in-line	6 / in-line	6 / in-line	
Cubic Capacity [Litres]	3.3	4.4	4.4	7.01	7.01	
Induction System	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	
Power Output [kWm] @ 50Hz	55	79.1	94	127	127	
Cooling System	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	
Consumption	[lt/hr] @ 100% Power	14.6	18.7	22.7	30.3	46.5
	[lt/hr @ 75% Power	10.8	14	16.4	21.3	33
	[lt/hr] @ 50% Power	7.56	9.7	10.8	14.9	22
Generator Manufacturer	Meccalte	Meccalte	Meccalte	Meccalte	Meccalte	
Generator Model	ECP 32-2M/4	ECP 32-4L/4 B	ECP 34-2S/4 C	ECP 34-1M/4 C	ECP 34-1L/4 C	

Range Specifications (continued)

GENSET CHARACTERISTICS	
Frequency [Hz]	50Hz
Power Factor	0.8 cosØ
Genset Controller	DSE 8610 MkII
Outputs [Configurable acc. to client requirements]	4x CEE 5x32A/400V 4x CEE 3x16A/230V 1x 125A Terminal Block 2x 2P+E 13 A Double Pole Switched
Sound Insulation [Selectable Option] [db @ 1m]	60, 80 or 90
Battery Charger	Vehicle & Genset with ext connector CEE 16A/230V
Genset Fuel Capacity [Selectable Option] [lit]	100, 200, or 500
Safety	3x Emergency Stop Buttons

SUPER STRUCTURE	
Structure [Selectable Option]	Steel with Corrosion Resisting Coating or Aluminium Structure
Panel Material [Selectable Option]	Galvanised Steel or Aluminium Panels
Finish [Selectable Option]	Powder Coated
Storage Cabinets [Selectable Option]	7x Illuminated with Lockable Shutters (Configurable arrangement)
Auxiliary Equipment	
Air Compressor [Selectable Option]	24 LT, 80Lt, 100Lt, 150Lt, 200Lt or 270Lt - 240V
Retractable Mast [Selectable Option]	Remote controlled - 6m or 9m - Extendable Heavy Duty Aluminium Mast
Scene Lighting [Selectable Option]	2 x 300W LED Flood Lights with Remote Controlled Tilt & Turn Head
Vehicle Perimeter Lighting [Selectable Option]	4 x 13W LED Scene Lights
Roof Hardware [Selectable Option]	1m Pneumatically Deployable Roof Railing
Additional Equipment [Selectable Option]	Specific Client Requirement Equipment with Custom Built Mountings

Options Information

Fireco

LUMICONE Scene Lighting Solution

The lighting balloon LUMICONE, a Fireco patented product, is an innovative system, designed to be mounted on a Fireco telescopic mast. The lighting balloon LUMICONE has been designed to be incorporated in the truck, with a fully safe extension and retraction, all controlled by a handset (wired or wireless). The non flammable and reflecting fabric, makes the product safe and reliable. The LUMICONE can be made with different kind of lamps.



Figure 1- Images and text source - Fireco.eu







Figure 2 - Image source - Fireco.eu

Fireco

Additional Pneumatically Extendable Masts

Light weight pneumatically extractable masts up to 15m in height. These masts can be mounted internally within the vehicle super structure or external to the super structure that can be used to support surveillance cameras, antennas, sensing equipment or else user specific equipment.

Auxiliary Lighting and Distribution Equipment

The vehicle can be equipped with application specific flood lighting and power distribution equipment.

Off-Road, all terrain, and other platforms

We can design to a virtually limitless set of platforms depending on the terrain challenges our clients are faced with. From off-road to marine and everything in between, Olympus is committed to creating the ideal vehicle.



SAR

Integrated BA Unit

The vehicle can be equipped with an integrated certified BA Unit to support Search and Rescue operations supplying electrical power, compressed air, scene lighting and BA refilling facilities from a single vehicle.

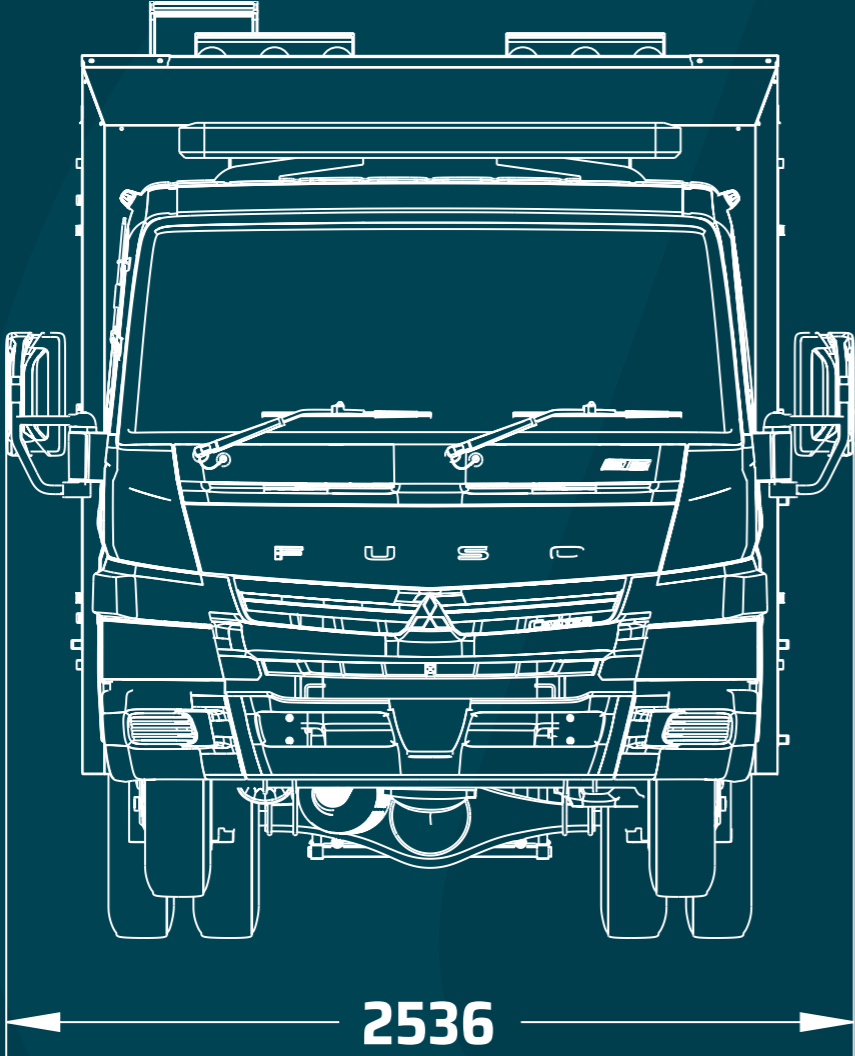
Tent heating solutions

The vehicle can be equipped with a heat energy recycling system that can be rapidly deployed and used as a space heating solution in disaster applications. **An auxiliary diesel powered heater can also be added for additional heating capacity.**

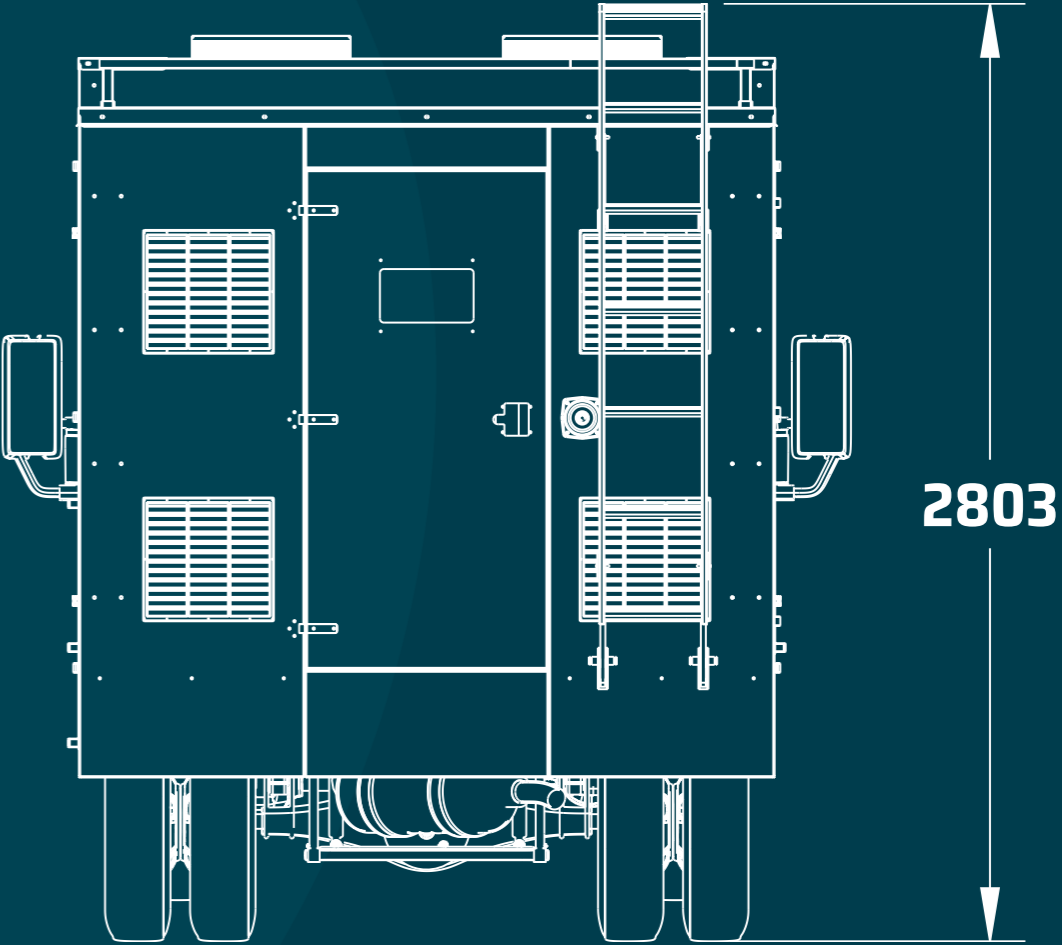


Technical drawings

Front

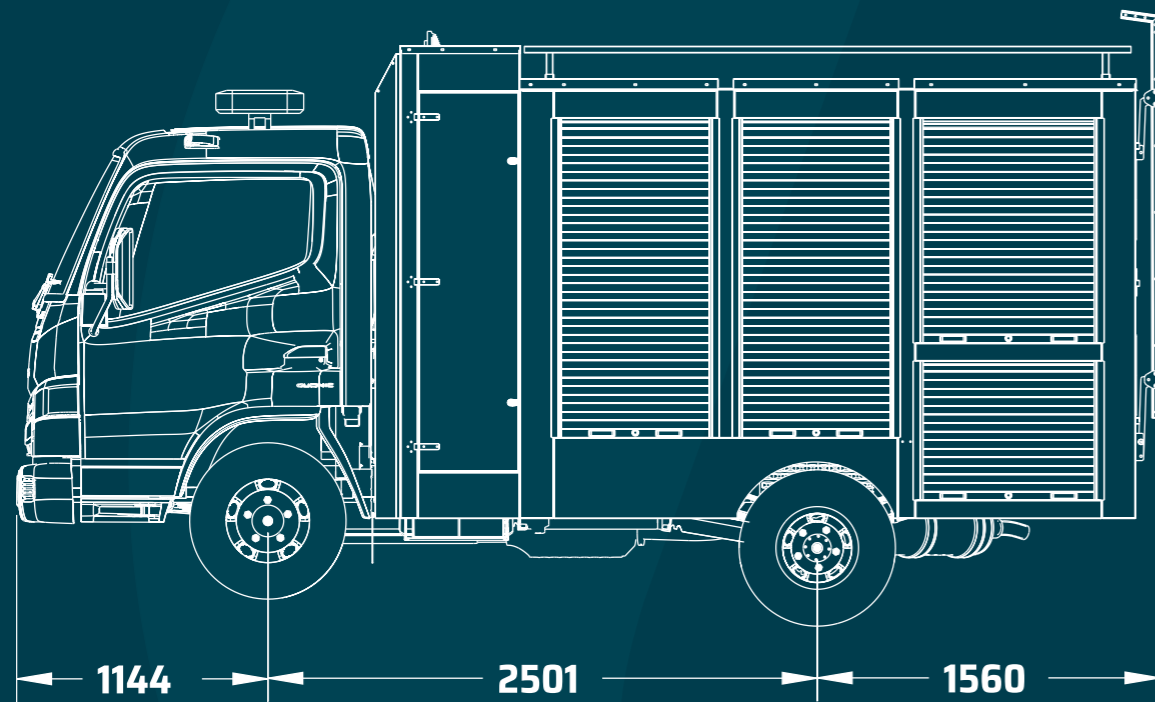


Back

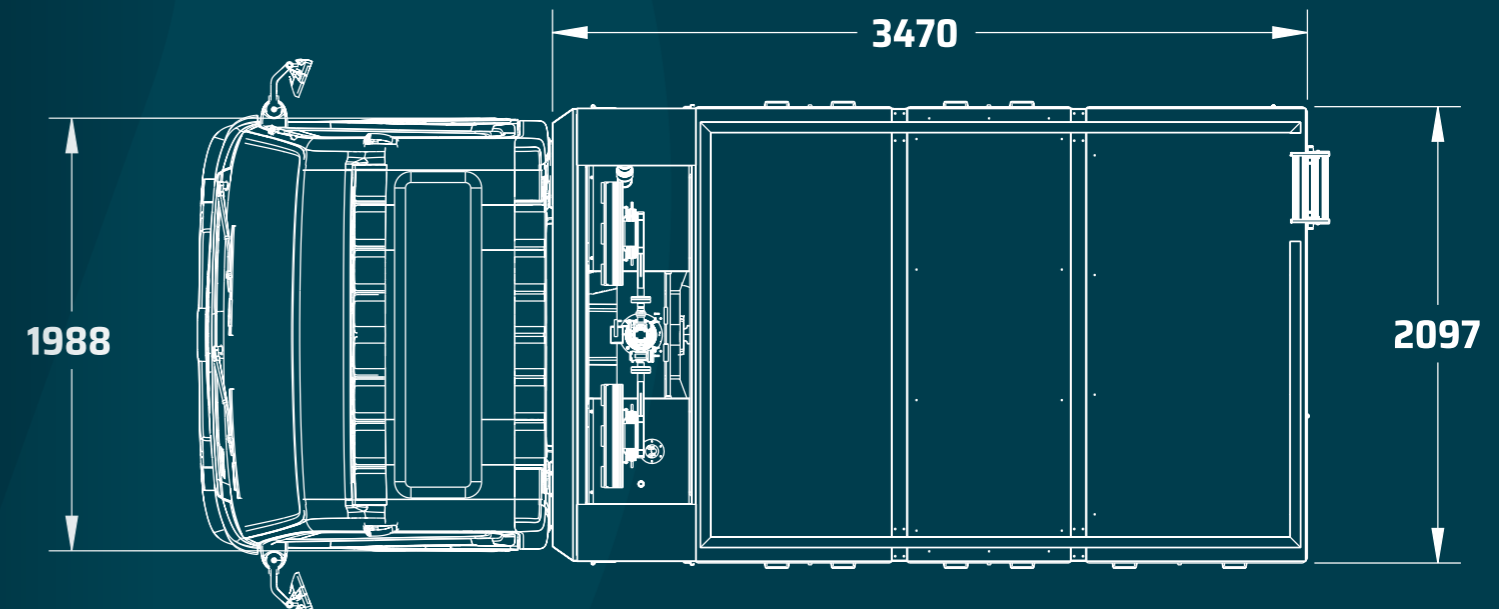


Technical drawings

Side



Top





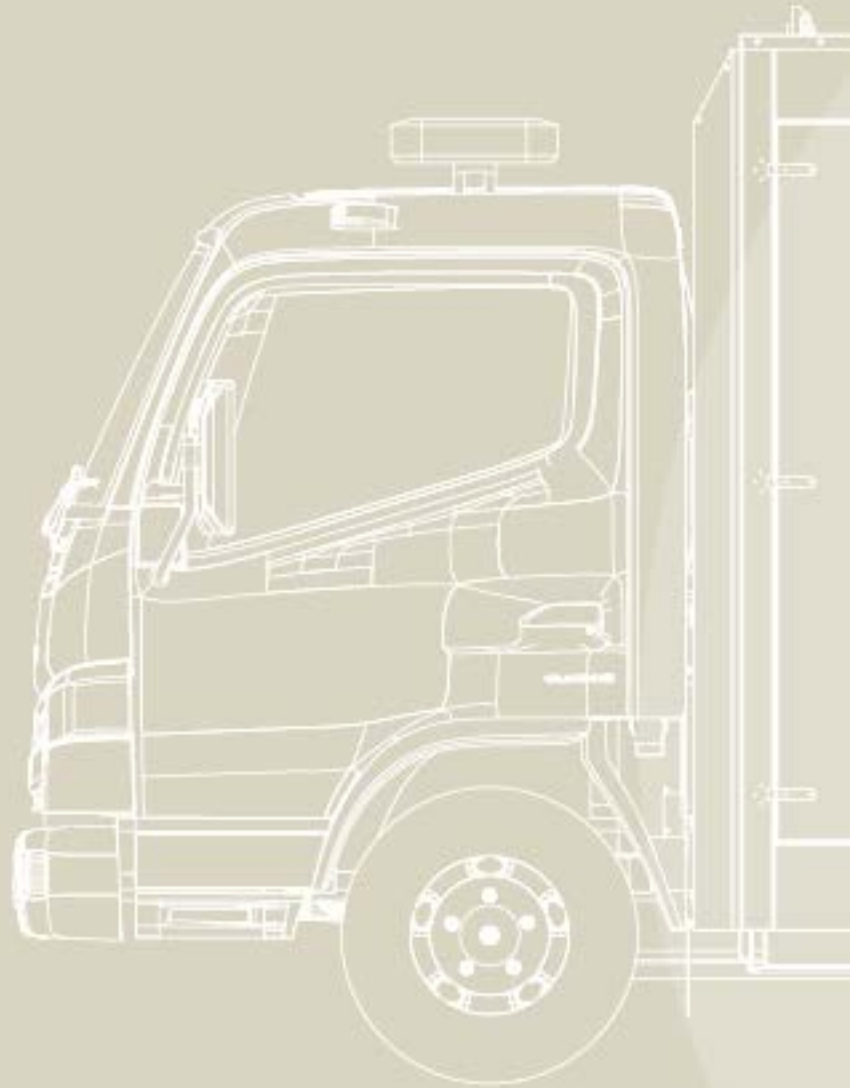
Automotive, specialised vehicle, and energy engineering for the applications of today and tomorrow.

Let's have a conversation about your specialised vehicle needs.

We've designed components that have fit inside some of the world's fastest vehicles. And we have done so in record time. Everyone on the team has experience in manufacturing so we design, engineer, and prototype our projects in-house. This means you receive a practical solution right off the bat.

We've worked with huge multinationals and with very specialised compact outfits across the world for more brands than we can count. And we've done this across all our areas of specialisation so if it moves or if it converts energy, we've been there - and most likely we've innovated.

We design, engineer, and prototype automotive components for high performance and high endurance applications. Working with the leading global automotive brands, we have created components that have withstood the most stringent and punishing conditions. And with multiple vehicles deployed across an extremely diverse set of applications, we have designed, engineered, and deployed vehicles for clients that range from military, rescue, and disaster recovery contexts to fire and safety solutions.



Olympus

Unit 1, Ta' Mallia Buildings, Triq in-Negozju, Mriehel
CBD3010 **MALTA**

technical@olympus.com.mt (+356) **9979 1905**

olympus.com.mt