

# TERREX S5

DIGITISING TOMORROW'S BATTLEFIELD



SMARTNESS + SUPERIORITY + SUSTAINABILITY + SURVIVABILITY + SERVICEABILITY

 **ST Engineering**

# CAPABILITIES OVERVIEW

## SMARTNESS

Leveraged intelligent technologies and advanced vetronics



Advanced Multi-Mission Crew Stations



360° Situational Awareness



Auto Target Detection & Tracking

## SUPERIORITY

Supported with future-ready concept of operations



Integrated Multi-Domain Connectivity



Manned-Unmanned Teaming



Configurable For Amphibious Operations

## SUSTAINABILITY

Expanded operational envelope for power/range and design with modularity



Hybrid Electric Drive Ready



Smart Power Management

## SURVIVABILITY

Protected with customisable systems



Smart Defence System



Positive/Negative Obstacle Detection Coupled with Low Light Image Enhancement



Bird's Eye View with Object Bearing and Range Detection

## SERVICEABILITY

Incorporated with practical designs for ease of maintenance



Condition-Based Maintenance with Health and Utilisation Monitoring System



Smart Maintainability Features Enhancing Users' Operational Experience



On-Board Diagnostics



Multi-Role Unmanned Ground Vehicle with Pan-Tilt-Zoom Camera

# A NEW GENERATION OF TERREX VEHICLES

The Terrex s5 is the latest 8x8 Infantry Fighting Vehicle, powering tomorrow's battlefield with a focus on Smartness, Superiority, Sustainability, Survivability and Serviceability.

Equipped with ST Engineering's proprietary New Generation Power Processor (NGPP), it ensures intelligent power management without traditional fuses. The Terrex s5 sets a new standard with unmatched adaptability, integrating user-specific protection solutions, diverse weapon configurations and vehicular customisations. With outstanding mobility and advanced survivability, the Terrex s5 stands ready for the challenges of modern warfare.

**TROOPER**



**COMMAND**



**ANTI-TANK  
GUIDED MISSILE**



**FIRE SUPPORT**



**MORTAR**



**AMPHIBIOUS**





# FURTHER ENHANCEMENT WITH HYBRID ELECTRIC DRIVE OPTION



Last-Mile Stealth Operations Enabled Through Electric Mode



Extended Auxiliary System Power Capacity, Enabling New Operational Capabilities



Improved Reliability And Maintainability Due To Fewer Moving Components And System Modularity



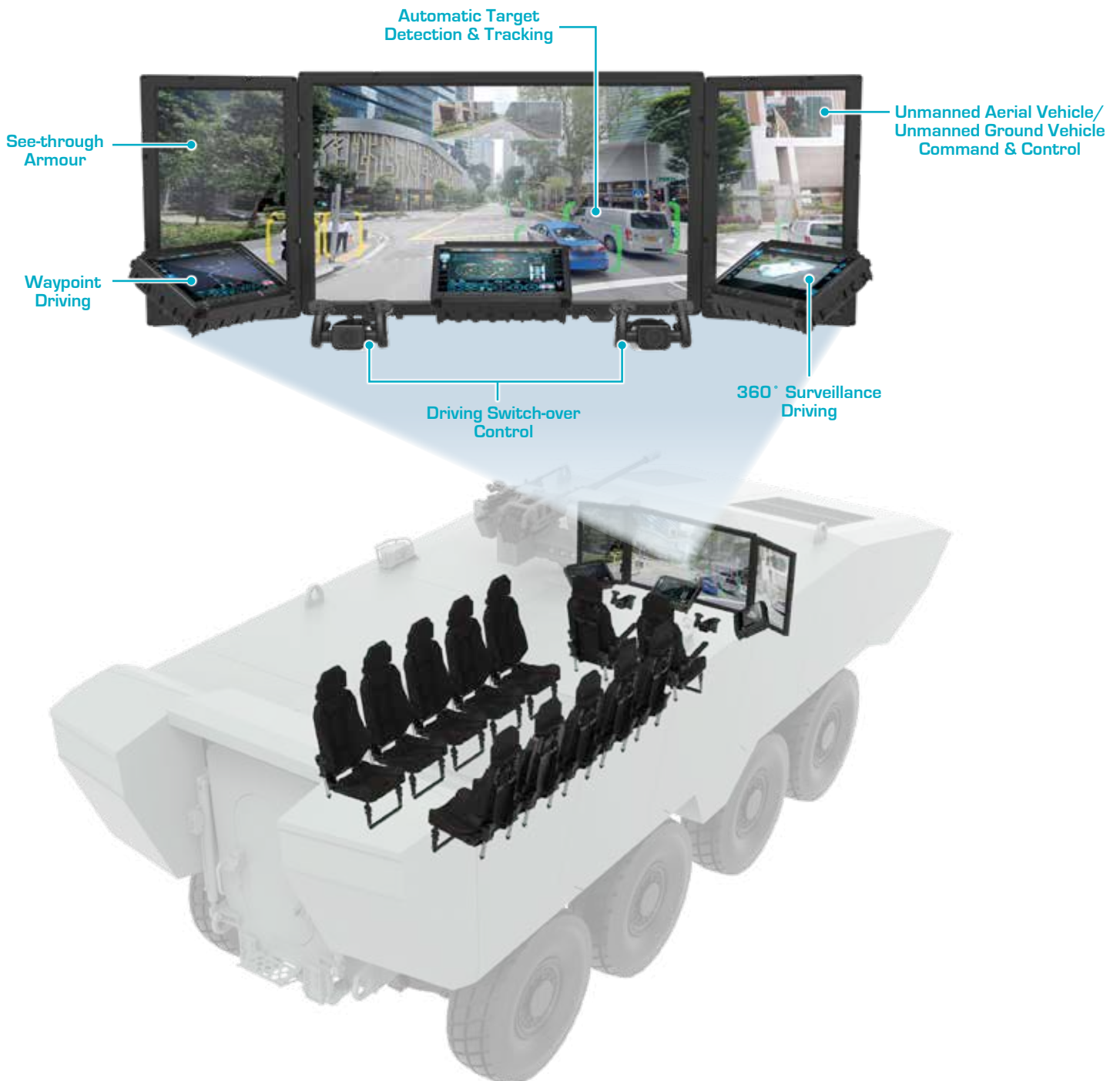
Extended Silent Watch



Increased Operations Range With Improved Fuel Efficiency



Additional Internal Space To Allow Different Seating Configurations



## PERFORMANCE SPECIFICATIONS

### Terrex s5 Infantry Fighting Vehicle

<b>Dimensions</b>	Length	8.3 m
	Width	3.0 m
	Height (without weapon)	2.7 m
<b>Weight</b>	Gross Vehicle Weight	35,000 kg
	Payload	13,000 kg
	Personnel	2 crews + 10 troopers
<b>Protection</b>	KE4 + MB 4a/4b. Customisable to other specification.	
<b>Mobility System</b>	Engine	Turbo Diesel
	Power Output	711 hp
	Gearbox	Automatic
	Gears	7 Forward, 2 Reverse
	Suspension	8-wheel independent suspension
	Steering	Hydraulic assisted power steering
	Brake System	Pneumatic with Anti-Braking System
<b>Mobility Performance</b>	Maximum Speed	120 kph
	Road Range	1,000 km
	Approach Angle	40°
	Departure Angle	40°
	Gradient	60%
	Side Slope	30%
	Vertical Obstacle	0.7 m
	Trench Crossing	2.0 m
Fording Depth	1.8 m	

### Hybrid Electric Option

<b>Power Plant</b>	Range Extender with Lithium Ion Battery
<b>Power Output</b>	1,200 hp
<b>Silent Range</b>	50 km
<b>On-board Power</b>	50 kW @ 28 VDC
	450 kW @ 700 VDC



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DOP0324