



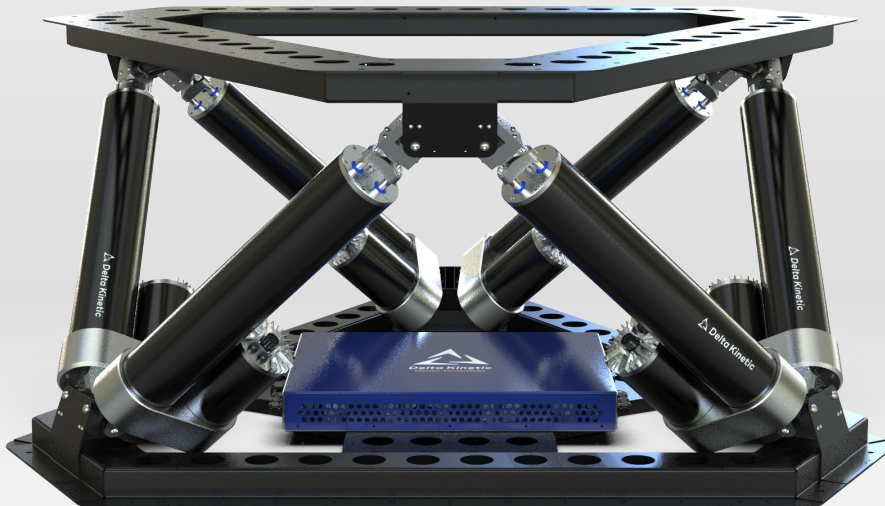
Delta Kinetic
Motion Technology

MP6D-M15450 6-DoF Motion Platform

High performance · Robust · Versatile

A compact 6-DoF motion base for medium payloads (recommended 1,000kg max)

- High performance and load capacity in a compact form
- Configurable for multi-user purposes
- Easily adapted with customised habitation/platforms.



Powered by 6 ALM-50 linear actuators, the motion platform is built to deliver powerful performance and minimum maintenance in a compact form.

- Ball-raced fully supported ball screw actuator mechanism.
- High powered BLDC motors utilising high speed closed loop FO control system

Delta Kinetic motion platforms utilise the Actuate Motion motion software interface which natively supports many commercial titles. Its SDK has dedicated plugins for Unity and Unreal Engine 4 and UDP access for other programmes, allowing integration with almost any software.



ACTUATE MOTION

Key data

Degrees of freedom	6 (pitch, roll, yaw, heave, surge and sway)
Payload	1,000 kg Max (Depending on use case/CofG/MofI)

Dimensions (mm), with standard deck, excluding superstructure

Footprint	Deck dimensions	Deck height at rest	Weight
1,724 (l) x 1,700 (w)	1,486 (l) x 1,700 (w)	780	220 Kg (without deck)

Motion

	Pitch	Roll	Yaw	Heave	Surge	Sway
Range*	+38°, -32°	+/-31°	+/-42°	650 mm	+/-600 mm	+/-520 mm
Speed*	71 °/s	63 °/s	85 °/s	656 mm/s	1,212 mm/s	1,050 mm/s
Force/Torque*	18,400 Nm	20,760 Nm	15,390 Nm	3,547Kgf	1,920Kgf	2,216Kgf
Resolution	0.0002°	0.0002°	0.0003°	0.002 mm	0.004 mm	0.004 mm

Power requirements	(UK) 220VAC, 50Hz, 13A three phase/39A single phase (depending on customer requirements)
Control interface	USB or RS485 connection to host PC
Safety features	Normally closed failsafe emergency stop loop for multiple e-stop buttons. Stop and hold position on loop break. Fall arrest on power failure.

** Figures are approximate only. Actual figures will depend on configuration & usage conditions. Systemic performance envelope is defined during platform commissioning process per application.*

A multi-purpose motion platform for applications including land, sea & air vehicle training

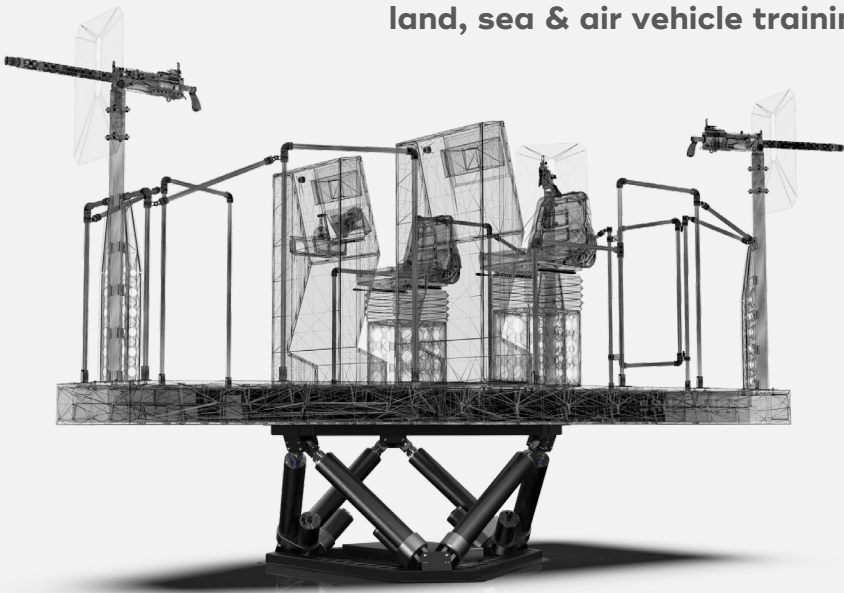


Image shows 6-DoF platform with 5 person training deck

The 6-DoF platform can be easily adapted to provide specialised training simulators for a range of land, sea & air vehicles.

The deck can be customised to replicate many cabin environments and vehicle controls, to enable trainees to undergo fully immersive VR vehicle training.

Furthermore, the deck can be made to any shape and size, to allow for whole crew vehicle operations training.

Dimensions:

