

## ATAX LAND AND MARINE MODULAR AERIAL DELIVERY PLATFORM

### ATAX LAND

ATAX is a new aerial delivery system designed and tested by IrvinGQ Ltd (Formerly Airborne Systems), which has been developed to provide a true Drive-on/Drive-off aerial delivery platform for the airdrop of vehicles and heavy equipment onto land drop zones.

The platform is of modular construction with each single module measuring 2.74m x 2.46m. Up to four modules can be joined to form a 9.8m long platform, which is suitable for airdrop from the C130, C17, A400M and KC390 aircraft.

Each module is capable of taking a load of 4,000kg giving a total mass of 16,000kg on a four module platform.

Air bags beneath the platform provide the landing shock attenuation, which negates the need to use cardboard honeycomb shock attenuation, as used on current airdrop platforms. Vehicles can be driven onto the platform for fast rigging and quickly de-rigged then driven off on landing.

Vehicles can be driven onto the platform and rigged by four trained personnel in under 30 minutes and de-rigged on the drop zone in less than 10 minutes.

Standard G12 or G11 cargo parachutes are used and the parachute system is rigged in the same way as current airdrop systems of similar weight.

Aircraft loading, load installation and load extraction are the same as current airdrop systems, therefore no changes to in-flight procedures or flight parameters are required.



Fig 1: ATAX modular platform



Fig 2: Rigged in under 30 minutes



Fig 3: Air bag landing, de-rig <10 mins



Fig 4: Standard aircraft loading, extraction & in-flight procedures



Fig 5: Safely delivered under G11 cargo parachutes, with airbag landing

## ATAX MARINE

ATAX Marine utilises the same base platform as the ATAX land and up to two modules can be joined to airdrop small inflatable boats, either semi inflated on a single module or fully inflated on a double module, with the engines mounted ready for use.

Designed for easy, quick rigging and de-rigging.

Once in the water a single release tie is cut which releases the boat from the platform ready for immediate use.

The modules can be rigged with flotation for training drops so the platform can be recovered and reused.

For covert operations the platform can be rigged to sink.

The system can also be used to drop other small maritime assets such as Jet Skies, Hard Hulled Raiding Craft and maritime re-supply loads

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Fig 1: ATAX Marine modular platform

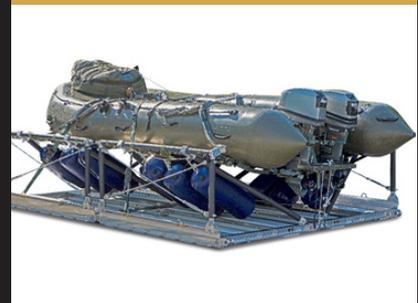


Fig 2: Inflatable boat with engine attached



Fig 3: Boat and platform after landing



Fig 4: ATAX can be used to drop small maritime assets