



A400M CARGO HOLD PART TASK TRAINER

REALISTIC TRAINING FOR A400M AIR AND GROUND CREW PERSONNEL DEVELOPED BY RHEINMETALL

The 'turnkey' A400M Cargo Hold Part Task Trainer (CPTT) from Rheinmetall has been successfully developed and has already been delivered to several different A400M-operator nations.

The CPTT is a full-scale and pragmatic emulation of the aircraft's Cargo Hold interior. It includes the major specific- to-type functional systems, capabilities and requirements that are relevant for the training of Loadmasters, Air Movements (Logistics) personnel, Basic Aerial Delivery (Stores) personnel and Paratroop training.

Adequately equipped to enable a wide range of mission-specific role configurations, it is the perfect platform for the training of loading and unloading procedures for both Logistics and Ground Tactical operations as well as in-flight and aerial delivery procedures for all rear-crew personnel. It also facilitates the application of multi-crew Crew Resource Management (CRM) techniques and inter-agency cooperation.

The device is ideally suited to all phases of crew and trade training requirements from ab-initio students to evaluation exercises and phased qualification recurrences, and it can also be used for vital emergency training for both aircrews and crash-crews.

Role equipment hardware and operable parts of the CPTT are reproduced with sufficient accuracy to match the original aircrafts' functionalities to provide an authentic haptic experience.

With its internally accurate dimensions the structure of the CPTT can also be designed to support load weights in excess of the aircrafts' documented limits. This potential makes it an ideal device for load-item trials and the capability proving of national specific cargo items that are not yet certified for the original aircraft.

Control panels, control inputs and their operating indications are focused on the essential components and are simplified to reduce the systems' complexities. However, the operating systems, functional parts and components that are crucial for the teaching of cargo handling, loading and flight procedures are based upon equipment and fidelities that are similar to the real aircraft.

The Cargo Hold Part Task Trainer perfectly complements Rheinmetall's catalogue of existing A400M synthetic training aids. The targeted expansion of Rheinmetall's comprehensive cargo aircraft training product line, via the CPTT, enables the whole spectrum of cargo training resources which can also be readily adapted for other platforms.

MAIN FUNCTIONAL FEATURES

- Broad scope of Role Configurations
- Functional Cargo Ramp
- Removable Cargo Handling System
- Removable Guide Rails with functional X-Locks
- Cargo Winch
- 'Kneeling' capability
- 'Hiking' capability (optional)
- Aerial Delivery – Jump Lights
- Aerial Delivery – Retrieval Winches with accessories
- Paratroop training (inc. Emergency Equipment)
- Low Level Lights – night operations (optional)

TECHNICAL DATA

External Dimensions

Length approx.	34 m
Width approx.	8 m
Height approx.	9 m

The maximum loading capacity can be up to 40t (negotiable). The device can be designed for indoor or outdoor use (negotiable).

