



FLIGHT ENABLER

READY FOR ACTION – AVIATION TRAINING AND SERVICES

PASSION FOR TECHNOLOGY.





The demands on the capabilities of pilots, flight crew and ground crew are constantly increasing. Constant flight readiness and the ability to handle all kinds of emergency and extreme situations are considered essential for these personnel. To achieve this level of proficiency, they need to undergo extensive and high-quality training on a regular basis.

Rheinmetall Electronics provides high-quality aviation training solutions that are individually tailored to meet even the most challenging requirements of both military and civil users.

GENERAL

- Flight Crew
- Rear Crew
- Ground Crew
- Operation



SERIAL No.90-7030

AMBIENT SENSING PORT
CABIN PRESSURE REGULATOR
DO NOT PLUG OR
DEFORM HOLES
KEEP SMOOTH AND
CLEAN WITHIN CIRCLE.

RESCUE

F-16A
AF SERIAL NO.90-7030

SERVICE THIS AIRCRAFT
WITH GRADE JP-8
PER.MIL-T-83133

I. PUSH BUTTON TO OPEN DOOR
PULL RING OUT 6 FEET TO

TRAINING NEEDS ANALYSIS

In terms of flight simulation, Rheinmetall works closely with each customer to provide comprehensive training needs analyses (TNA).

The goal of TNAs is to determine present and future training requirements of each customer in order to design training systems and services that are not only cost-effective but also tailored exactly to the customer's needs.



FLIGHT CREW

Rheinmetall's AURIGA product line provides a full range of flight training solutions, from small-scale training systems to complex full mission simulators. Based on the same framework and core elements, each training system is individually designed to cover specific customer requirements with regards to the scope and depth of training. Due to the overall modular approach, updates and upgrades are possible at any time.

If required, all systems can be designed, manufactured and certified according to the international regulations for flight simulation training devices (FAA/EASA), up to Full Flight Simulator (FFS) Level D.



REAR CREW

Over the past ten years or so, there has been a trend towards expanding the scope of flight crew training beyond just pilots to include rear crew members as well. This requires training specific to the rear crew as well as training conducted alongside the cockpit crew.

The rear aircraft cabin can serve different functions depending on the type and purpose of an aircraft. Rheinmetall specialises in the following rear cabin trainers for fixed-wing as well as rotary-wing aircraft:

- Cargo Loading Trainer
 - Loadmaster Workstation Trainer (LMWST)
 - Cargo Hold Trainer (CHT)
- Door Gunner Trainer
 - Door, Ramp, Observer
- Winch Operator Trainer
 - MedEvac
 - SAR
 - Mountain Rescue
- Parachutist, MedEvac, loading and transshipment personnel, and other operators

In this area, Rheinmetall has also developed several special trainers for subtasks (such as parachuting) and coordination trainers for the rear cabin crew and cockpit crew.



NO ACCESS

NO ACCESS

RFA MOUNTS BAY

GROUND CREW

Originally designed as a digital training solution for the ground crew, Rheinmetall's ASTERION product line can be used to perform event-driven simulation for a wide range of applications and platforms in both civil and military aviation training.

ASTERION is as scalable as it is flexible, offering a whole host of presentation options that range from the detailed representation of an aircraft engine or a cockpit via VR/AR, state-of-the-art classroom solutions or personal tablets.

As opposed to many other digital training solutions, ASTERION can be used in freeplay and allows trainees to gain in-depth system understanding. Although it was developed without OEM data packages for cost reasons, the simulation is true to the original system because it uses data collected from the actual aircraft.

Training procedures and contents are defined in close consultation with the customer, resulting in a cost-effective system that is also optimally tailored to the customer's training needs.



MAINTENANCE/SERVICE/OPERATION

Rheinmetall Electronics is able to make use of its comprehensive technical and logistic expertise to tailor its services to all kinds of requirements. Rheinmetall's service portfolio ranges from technical and logistic support to the complete operation of a training centre, including the provision of instructors and trainers if required by the customer.

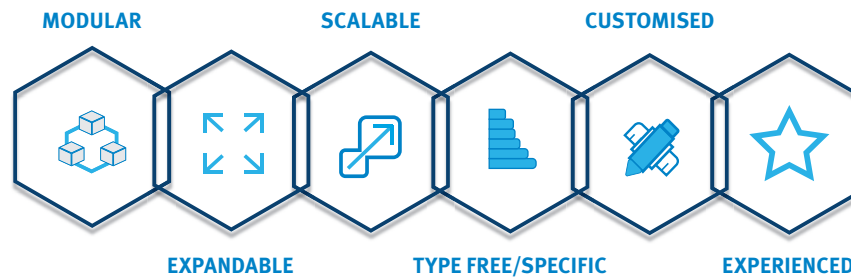
- Highly qualified technical personnel with many years of experience in integration, service support and logistics support
- Global logistics management to support complex systems
- Technical and logistic hotline with guaranteed availability
- Worldwide warehousing for professional supply
- Competent repair shops on site
- Global service network
- Integrated logistics support management system
- Qualified training personnel



INTEROPERABILITY

All RME training systems can be connected and integrated with each other as required. As a result, a training system can be specifically designed to meet the particular requirements of a mission. This allows for an accurate representation of mission requirements and delivers an integrated training environment for all trainees involved.

Rheinmetall's flight simulation department provides bespoke training solutions developed based on training needs analyses. Such analyses are performed in collaboration with the customer in order to deliver an effective and efficient training system that is also cost-optimised.



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