



EDM
World class **solutions**

commercial training

Cabin Trainers



Delivering World Class Solutions

Group Statement

As a world class company, we're dedicated to building relationships with clients, partners and the wider community. We are committed to investment – both in research and development and in our people – to ensure we remain a leading provider of world class solutions.

From our UK headquarters in the North West of England, we work to ISO 9001:2000 and offer solutions which are bespoke, cost-effective, reliable and innovative – with unrivalled service as standard.

Delivering World Class Solutions.

Only a world class company can deliver world class solutions.

EDM Limited are a global provider of world class training and simulation solutions for the air, rail & defence sectors. EDM provides a complete 'cradle-to-grave' solution with unrivalled support throughout.

With over 30 years heritage as Europe's leading specialist engineering company EDM are ideally positioned to deliver bespoke solutions which enhance both safety and efficiency.





EDM Commercial Training

EDM Commercial Training has long been a leading supplier of evacuation training and service simulators for all major aircraft and helicopters.

Working with all major commercial airlines including Virgin Atlantic Airways, KLM Royal Dutch Airlines, Easy Jet, Singapore Airlines and Alitalia we provide complete training simulators for cabin crew and part task trainers for airline pilots.

The technical design expertise of our in-house software team ensures high integrity, state-of-the-art simulators which offer clients bespoke solutions and excellent value for money.

We meet all regulatory requirements and provide extended warranties and

in-service support agreements for complete peace of mind.

Aviation – Working with all major commercial airlines, EDM deliver world-leading training equipment for the airline industry. These bespoke solutions combine simulated aircraft facsimiles and truly ground-breaking software to meet and exceed local Civil Aviation Authority regulations. Delivering evacuation training for both highly experienced air staff and new recruits, EDM training covers all aspects required in safety, evacuation, fire and smoke training.

EDM's in-service support agreements are among the most comprehensive product warranties within the industry and provide complete peace of mind.

Product Capability:-

- Cockpit Procedure Trainers
- Cabin Crew Trainers
- Full Sized Aircraft Facsimiles
- Smoke and Fire Evacuation Trainers
- Door Trainers





Cabin Trainer Manufacture

Product range

- Door Trainers
- Cabin Service Trainers
- Evacuation Trainers
- Sound and Smoke Systems
- HUETS
- Cockpit Procedure Trainers
- Maintenance Systems Trainers
- Facsimiles
- Software Development
- Evacuation Slides and Rafts
- Motion Platforms
- Maintenance Support Contracts
- Visual Systems

Platforms

B737, B747, B757, B767, B777, A300, A310, A319, A320, A330, A340, A380

Design and manufacture of commercial training equipment is subject to the same high level of quality and finish that is applicable to the aerospace and defence industries.

All manufacturing is carried out in-house. Our facilities include a dedicated Trainer assembly facility used solely for the purpose of full size simulator manufacture.

All projects are project managed to ISO9001 quality standards ensuring all our products are finished to the highest standard of workmanship and engineering.

Our capabilities include design and manufacturing services, utilising the latest in CAD/CAM techniques.

Facsimile cabins are manufactured using a modular design which allows the trainer to be modified or extended without major disruption to training schedules. Interior finish and quality is paramount to project the realism

required in training scenarios.

At EDM our experience in replicating interior fittings and ergonomics design has been gained over many years designing and building training systems for the defence and transport industries.

Smoke, fire and audio/intercom systems can be supplied and fitted to replicate the specific aircraft. Galleys, Toilets, and Storage lockers can be facsimile manufactured should free issue items not be available.

Our experience in the design and manufacture of full size facsimiles for training, planning, and ergonomics is well known throughout the aerospace industry. We specialise in designing and manufacturing products with a firm emphasis on optimised human factors, performance and reliability.

Design, manufacture and project management is carried out in-house to ensure complete control is maintained throughout manufacture.

Training Slides and Rafts

EDM supply and use slides and rafts for airline cabin crew training. We have over ten years experience in the development of specific and generic training solutions.

Slides and rafts have been developed to endure the training programs applicable to cabin safety training. They are tough, safe, and incorporate materials specially developed to our

own specification. The slides are protected by pressure relief valves and customers have the benefit of regular annual service and health checks, which tests both the performance of the sliding surfaces and the air-holding capability of the structure as well as the material.

Slides can be configured to suit the following: A300, A310, A320,

A330, A340, B737, B747, B757, B767 including Main Door Slides, Slide Rafts, Off-Wing Ramp-Slides and Training Rafts.



Our management skills and specialist engineering experience allows EDM to interpret airline training needs providing cost effective solutions which fully comply to the clients technical requirements. Efficient commissioning and installation of cabin training systems is aided and enhanced by our purpose-designed build system. We provide complete maintenance support on all trainers and simulators if required.

EDM design and manufacture door trainers to the exacting standards and applications required by airlines and regulatory authorities.

All door trainers and cabin crew training equipment are designed and built to be rugged, hard wearing and capable of meeting the heavy usage training demands over the full 20 year life of the equipment.

Simulated doors and exits are built using aircraft data from Airbus or

Boeing, to meet all aircraft types from B737 – to the new A380 aircraft. Depending on application, controllable failure modes can be incorporated allowing all training scenarios to be fully available to the instructor such as door jams, handle jams, power-assist failure and door closing/locking failures.

EDM also supply three axis motion systems, tilting systems and cabin visual systems, all to enhance the training realism required. Evacuation slides are a further product available on request. Our quality accreditation to ISO 9001 ensures that all our training systems are subject to stringent quality control procedures to ensure our customers are provided with total in-service reliability.



Commercial Training Gallery



Design Scope

- 2D & 3D Design
- Full Engineering Detailed Design
- Project Design
- Electrical System Design
- Ergonomic Design

Design & Documentation

- Bills of Material
- Parts Lists & Schedules
- Illustrations
- 3D Isometric Views
- Operational Manuals
- Maintenance Schedules

Design Analysis

- Load & Stress Analysis
- Component Life Cycle Analysis
- Risk Analysis
- Hazards & Safety Analysis
- Reliability & Maintainability Analysis

CAM Scope

- 3D Modeling Files
- CNC Output
- NC Output



Support Services

• Full Contract Support

Full contract support which covers all aspects of the training system. Regular inspection and maintenance of hardware, software, motion platforms, slides and rafts, doors and smoke systems.

• Maintenance Support

- Scheduled
- Planned
- Breakdown & Overhaul
- Spares and Consumables
- Return to base repairs

• Manuals & Publications

- Operation Manuals
- Maintenance Manuals
- Parts List
- Conversion Data

• Reliability & Maintenance Analysis

• Analysis Of Product Life Cycle Costs

• Post Design Service

• Post Design Updates and Modifications

• Technical Helpline

Our Helpline gives you instant access to our technical department who will give you online advice or if necessary arrange for one of our engineers to visit you to assess the problem.

Client List

Our client base is world wide and includes the following companies and airlines:

Singapore Airlines

Alitalia

Easy Jet

Emirates

KLM

Virgin Atlantic

Airtours

British Airways

Silk Air - SIA

Kuwait Airways

SAS

British Midland

Eva Air

Cyprus Airways

Gulf Air

Air Mauritius

My Travel

First Choice Airways

Malev

Deutsche BA





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Registrations

ISO 9001 Reference 004907

Members of the Northwest Aerospace Alliance

Defence Contractor Ref 1MVE02

Rolls Royce Approval Certificate

