

WORLD CLASS TRAINING SIMULATORS



Civil Aviation



Defence



Specialist Engineering

EDM
World class **solutions**



OVERVIEW

Founded in 1971, EDM is a leading global provider of training simulators to the civil aviation, defence and other industries.

Combining the highest engineering standards with leading-edge technologies, EDM provides airlines with Door Trainers, Cabin Service Trainers, Cabin Emergency Evacuation Trainers and Full Size Mockups. In the defence sector we manufacture Procedure Trainers, Maintenance Trainers, Ejection Seats, Simulators and Full Size Replicas.

Serving organisations worldwide from its UK headquarters, EDM is committed to delivering exceptional quality and value to its clients to help them enhance safety and operational efficiency.

DELIVERING WORLD CLASS SOLUTIONS

FACILITIES

EDM operates a world-class manufacturing facility at its headquarters in Manchester, UK, where it builds best-in-class training simulators for its global client base.

The company's 150,000 square feet facility houses extensive manufacturing processes and has assembly and factory testing capability. Our experienced team can undertake highly diverse product builds, ranging from trainers and simulators to mockups and precision-engineered prototypes.

Our manufacturing facility's high ceiling allows us to assemble and test a very wide range of structures, including aircraft fuselages, motion platforms and fabricated structures. Highly secure, the site also provides access for long trailers and low-loader vehicles for the loading and transporting of finished products to clients.

EDM continues to invest in the latest machinery and equipment to provide our skilled engineers and craftsmen with the tools they need to manufacture the highest quality products.





SUPPORT

EDM provides a worldwide product support service and prides itself on its standard of customer aftercare. Our dedicated, fully trained and qualified support engineers are able to deal with any issues that may arise with your equipment, from routine servicing to major overhaul and repair. All work is carried out to the highest standard and backed up with a full warranty – nothing less than you would expect from an ISO 9001 registered company.

Service packages

High quality servicing and regular maintenance by skilled personnel is essential to keep your equipment in good condition, prevent costly breakdowns and deliver maximum training availability. We fully understand that each client's requirements and budgets differ and that equipment usage may vary significantly. We therefore tailor our servicing packages to suit individual customer needs.

Technical support

Minimising training downtime is our customers' highest priority. To ensure we meet this expectation, we offer a manned telephone technical support service, a full call-out service and a remote diagnostic service that uses the latest technology. All our modern training equipment can be remotely accessed via the web, allowing our highly skilled engineers to monitor your system's performance anywhere in the world so they can advise on the cause of the problem or correct the fault remotely.

To keep all our in-service equipment operating to the highest levels of reliability, we issue technical bulletins where appropriate. Spare parts for all our products are also available through EDM's customer support department, either with or without a fitting service.

'OUR CUSTOMERS CONSISTENTLY RATE OUR CUSTOMER SUPPORT TEAM AS 'EXCELLENT' IN CLIENT FEEDBACK SURVEYS'.

CUSTOMERS

Civil Aviation



Defence



CIVIL AVIATION TRAINING SIMULATORS

EDM is the world's leading manufacturer of cabin crew training simulators. We produce high quality equipment that is reliable and robust to cope with the rigours of the training environment. Designed to be compliant with the regulatory requirements of all aviation authorities, EDM can provide training simulators for all narrow and wide bodied aircraft types

Door Trainers

EDM's Door Trainers and Extended Door Trainers are specifically designed to effectively train cabin crew how to operate aircraft emergency exits and doors, including procedures for normal, abnormal and emergency situations.

Cabin Service Trainers

Designed to enable cabin crew to serve passengers to the highest standards, our Cabin Service Trainers can be manufactured with a full or partial fuselage and equipped to accurately represent any aircraft layout. Fully functional lavatories, galleys, mood lighting and other features can be provided to recreate a highly realistic aircraft cabin environment.



Door Trainers



Cabin Service Trainers

WORLD CLASS TRAINING SIMULATORS



Cabin Emergency Evacuation Trainers

Our high quality Cabin Emergency Evacuation Trainers (CEETs) can be static or motion-based and provide a comprehensive and flexible solution to the training of cabin crew in Safety and Emergency Procedures (SEP) as required by the airline.

Mockups

EDM can manufacture high quality full or partial mockups of any aircraft type. Partial mockups can be built to recreate specific aircraft areas, such as galleys and cargo loaders, while full-scale mockups can combine the operations and functions of a Door Trainer with the size and scale of a Cabin Emergency Evacuation Trainer and the finish of a Cabin Service Trainer.

SEPTRE

SEPTRE is our innovative, market-leading audio-visual system that offers a step change in how cabin crew are trained in Safety and Emergency Procedures. SEPTRE provides real-time graphics at each passenger window and highly realistic audio that covers all phases of flight and includes pre-programmed emergency scenarios, such as aborted take-off, engine fire, gear collapse, turbulence, ditching and decompression.



Cabin Emergency Evacuation Trainers



Mockups



SEPTRE

DEFENCE TRAINING SIMULATORS

EDM has many years experience manufacturing a broad range of high quality training simulators for clients in the global defence market.

Simulators

EDM's Simulators combine learning with performance-based training, allowing customers to measure training effectiveness and focus on improving performance. EDM can design, develop and deliver all types of simulators including:

- **Full Mission Simulators (FMS)**
- **Flight Training Devices (FTD)**
- **Flight Procedures Trainers (FPT)**
- **Part Task Trainers (PTT)**



Procedure Trainers

Our Procedure Trainers are designed to enhance operational procedures by giving trainees full exposure to actions performed by the crew. These trainers allow tasks that would normally be completed on the equipment to be conducted remotely, reducing costs and releasing the actual equipment for operational use.

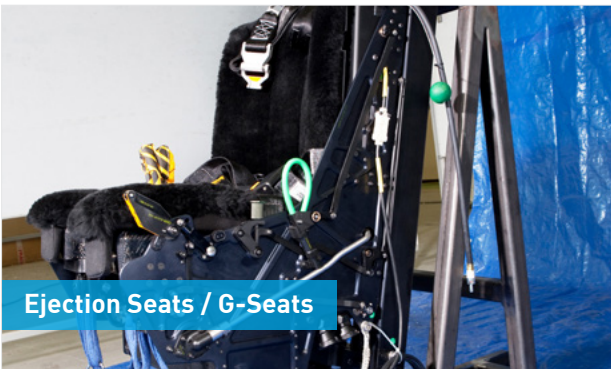
EDM designs and manufactures the ground-based training devices for the Lockheed Martin F-35. The equipment comprises of the Ejection Systems Maintenance Trainer (ESMT) and the Weapons Loading Trainer (WLT) for this fifth generation jet fighter.



Maintenance Trainers

Maintenance Trainers

EDM's Maintenance Trainers are a cost-efficient and safe way to provide realistic training without having to take real equipment out of service. We have the specialist skills, knowledge and capabilities to design and build highly realistic training devices to suit your required training level.



Ejection Seats / G-Seats

Ejection Seats / G-Seats

Working under licence from Martin Baker, EDM supplies replica Ejection Seats for a variety of training environments. The seats can be manufactured to various levels of functionality and fidelity, ranging from full fidelity Maintenance Trainers to partially functional seats for simulators. Our G-Seats are designed to enhance standard flight simulator seats and contain numerous dynamic modules to give the pilot real-time motion cues.



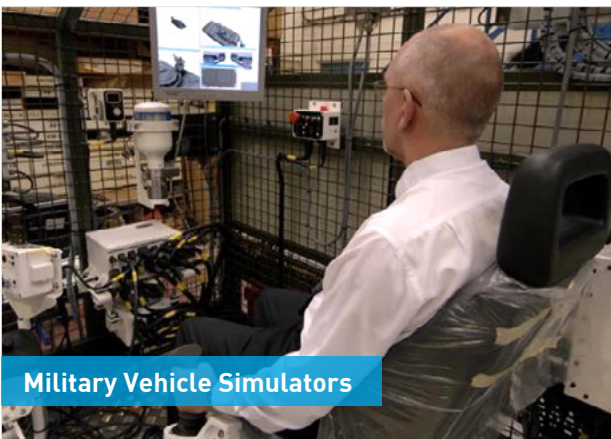
Full Size Replicas

Full Size Replicas

EDM has deep experience designing and manufacturing Full Size Replicas (FSRs) for training, planning and ergonomics. FSRs are a unique way to demonstrate a product's quality and aesthetics, demonstrate concept functionality and operational benefits and can range from low to high fidelity, depending on the project and your requirements or budget.

Military Vehicle Simulators

We can manufacture a range of high quality Military Vehicle Simulators including Tank Driving Simulators, Diagnostic Maintenance Trainers and Weapons Systems Trainers.



Military Vehicle Simulators

Helicopter Training Simulators

EDM can manufacture EGRESS Trainers and a variety of Helicopter Training Simulators including Helicopter Underwater Escape Trainers (HUETs) to teach personnel the correct escape procedures from an upturned helicopter submerged underwater.



Helicopter Training Simulators

SPECIALIST ENGINEERING

EDM is a supplier of specialist engineering services to many of the world's leading equipment manufacturers. Using our in-house capability and experience, we manufacture bespoke precision-engineered components and assemblies for a wide range of industries, spanning aerospace, submarine, subsea and research and development.

Using the latest Computer Numerical Control (CNC) technologies, EDM turns and mills precision components from a wide range of materials and uses its state-of-the-art Coordinate Measuring Machine (CMM) capability to ensure accuracy is achieved on even the most challenging tolerances.

Our specialist engineering services have been used for:

- **Development test rigs for demonstrating airflow within gas turbine engines**
- **Test rigs and tooling equipment for subsea and submersible projects**
- **Fixture tooling for handling large components during manufacture**
- **Design and manufacture of components using exotic materials under restricted and quarantine conditions**
- **Scale replica and cross-sectioned gas turbine engines for training and marketing purposes**



AFFILIATIONS

To help maintain the highest possible standards of product quality and customer satisfaction, EDM is affiliated to and accredited by numerous industry organisations.

Affiliated and accredited by:



Members of:



VISIT OUR WEBSITE WWW.EDM.LTD.UK

AWARDS

2017 / 2012

North West England Greater China Business Award

2015 / 2009

Manchester Evening News Business of the Year Award

2015

Insider North West Excellence in International Trade Award

2013

North of England Excellence in International Trade Award

2011

North West Future Manufacturing Award for Outstanding Export





CORPORATE SOCIAL RESPONSIBILITY

Our chosen charity is Macmillan Cancer Support

EDM raises funds yearly for this fantastic charity which provides specialist health care, information and financial support to people in the UK affected by cancer.

As well as helping with the medical needs of people affected by cancer, Macmillan also looks at the social, emotional and practical impact cancer can have and campaigns for better cancer care. Macmillan Cancer Support's goal is to reach and improve the lives of everyone living with cancer in the UK.



WHY CHOOSE US

Pedigree

EDM has over 40 years experience delivering high quality training simulators to a broad client base across a diverse range of industries including civil aviation and defence. With this unrivalled heritage, you can rely on us to deliver your product on time and on budget.

Expertise

Our team of committed and highly skilled engineers and craftsmen are the best in the business. We only recruit the finest talent in the industry, ensuring that your product is built to the highest possible standards.

Product Quality

EDM's products are built to the highest standards in the industry. Design data is sourced from the original equipment manufacturer, which ensures the highest degree of training realism is achieved. We pay particular attention to ensuring that all metals and materials are suitably treated against corrosion and other contaminants, and we fully guarantee the equipment for its intended operational life. We ensure compliance with health and safety standards, with all equipment fully tested and certified to regulatory standards.

Innovation

We invest in research and development in order to be at the forefront of innovation in the industry. This commitment to continual improvement means our customers can expect the best products available on the market.

Facilities

We give our team of engineers and craftsmen the best available systems, tools, machinery and equipment they need to build best-in-class products.

Support

We are absolutely committed to providing our customers with the highest levels of aftercare once a product has been delivered. Existing clients consistently rate our support service as 'Excellent' as part of our regular feedback process.

EDM

World class **solutions**

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