



QFires Joint Fires Mobile Trainer (JFMT)



Driven by customer need for a self-contained mobile training solution, the Joint Fires Mobile Trainer (JFMT) is the latest addition to the QFires family. Providing a high-fidelity, immersive training environment, this first of its kind mobile classroom arrives fully equipped and ready within minutes, optimizing essential training time.

Sharing the same proven software as other systems in the QFires family, the JFMT provides training for JTACs, FACs, and JFOs supporting Terminal Control, Terminal Guidance, Close Air Support, and Joint Fires operations.

Contained within a road-legal trailer to serve multiple training sites, the JFMT standard configuration comprises highly functional work areas: a domed student station, an instructor operator station, a role player station, and a mission brief and after-action review (AAR) area. Four jump seats are equipped with headsets and communications channels.

An on-board generator supplies all necessary power to both the training systems and the interior environmental systems.



PROVEN

RELIABLE

INTEROPERABLE

SCALABLE

MODULAR

About QuantaDyn Corporation

QuantaDyn supplies simulation and training systems to the U.S. military and coalition partners around the world. Our goal is to provide modern, innovative answers to training needs, while taking full advantage of commercial-off-the-shelf (COTS) technology. Our experience includes virtually all phases of training device development for Joint Fires as well as both fixed and rotary wing aircraft for use on military and commercial programs.

www.quantadyn.com

email: sales@quantadyn.com

phone: +1 202 320 2200



Accredited by Joint Air Land Organization (JALO)

Based on the latest UK Joint Service Publication (JSP) 918 Joint Terminal Attack Controller Policy, the JFMT is accredited by the Joint Air Land Organization (JALO) for training mission scenarios including Type I, II, III, LASER, Day, Night aided, and Night unaided.

Features and Capabilities:

Student Station

Within a 1.8-meter diameter dome with 220° x 58° FOV, students are provided a full suite of virtual, simulated, and form-fit-function devices emulating the latest Surveillance and Target Acquisition (STA) and communication equipment in service with the UK MOD.

Included are:

- Stabilized Portable Optical Target Tracking Receiver (SPOTTR)
- Military Binoculars
- Infrared Zoom Laser Illuminator Designator (IZLID) 1000 IR Pointer
- Long Range Thermal Viewer (LRTV)
- Defense Advanced GPS Receiver (DAGR)
- An LF28A LTD
- PRC-117 and PRC-152 Radios

An Android Tactical Assault Kit (ATAK) manages generated targeting information, providing a Digital Aided Close Air Support (DACAS) capability.

Role Player Station

Providing support to the Instructor/Operator, the Role Player can control and maneuver any virtual entity during a training scenario. Entities include aircraft, ground vehicles, or characters: friendly, enemy, or civilian. A Thrustmaster Hands on Throttle and Stick (HOTAS) is used to control and maneuver entities. The HOTAS includes easily programmable buttons for customization.

The Role Player station provides realistic flight characteristics but is simple enough to allow a non-pilot qualified operator to control the aircraft. In addition to the main monitor, the Role Player station also includes a Head-Up Display (HUD) and a ground view from the cockpit via an out the window display.

Mission Brief and After-Action Review Station

The Mission Brief and After-Action Review Station features a large screen monitor for displaying briefing material and recorded missions for after action review (AAR). During a training mission, members of the Tactical Air Control Party (TACP) or Fire Support Team (FST) can monitor the training scenario, listen to communication channels, or provide additional Role Players as desired. During a debrief session, the monitor displays mission playback information including visuals, a map view with force symbology overlay, audio and communications recordings.

QuantaDyn provides simulation and training solutions, services, and support, specializing in JTAC Training Systems. Our goal is to provide modern, innovative answers to training needs, while taking full advantage of commercial-off-the-shelf (COTS) technology. Our experience includes all phases of training device development for Joint Fires, as well as fixed and rotary wing aircraft for use in military and commercial programs.

Explore QuantaDyn's full family of QFires training solutions at www.quantadyn.com

Instructor Operator Station

As with all training systems in the QFires family, the JFMT includes a full spectrum of virtual close air support and indirect fire assets. A simple point and click interface allows the Instructor/Operator to generate, start, stop, or pause scenarios.

The interface supports simultaneous missions including:

- Call for Fire (CFF)
- Naval Gunfire
- Fixed Wing CAS
- Rotary Wing CAS
- UAV CAS
- AC130 Gunship

The interface also supports division-level fire plans and rotary wing aircraft.

