

IFAD TS of Denmark delivers IFACTS simulator to Danish Army for joint FAC/AO and Pilot training.



Danish Army which has used IFACTS (the IFAD Forward Air Controller Training Solution) for several years has acquired a new version of IFACTS with significant new features to meet the Army's demand for joint training of forward air controllers, observers, and pilots. The new solution was delivered to the Danish Artillery Regiment in Varde. It is used in the Army's joint FAC, AO and pilot training facility.

This delivery is a result of a follow-on contract that succeeds previous purchases of IFACTS licenses for the Army's FAC training program. IFACTS is used at several sites including the Army Fire Support School, Army Combat School, and the Air Force Training Centre (AFTC). IFACTS is used for basic training and for currency training of Forward Air Controllers. In addition it is used for joint training of pilots and combat experienced FACs from TACPs and Special Forces (SOF). The new delivery also includes features for training of forward observers (AO) in practising Call for Fire.

Meeting military demands for joint FAC/AO and Pilot training

This new version of IFACTS meets the strong demands by military services and it helps to cope with a growing demand for mission ready ground commanders. New features of IFACTS include:

Improved capabilities for Night CAS training – including features for more realistic IR pointer operation (Pulse, Point and Flood), and improved infrared illumination and reflections from obstacles in the terrain.

More simulated equipment – new simulated tools include DAGR GPS, and M/99 and Viking2000. These tools are also used by Forward Observers for training Call for Fire. In addition, more functionality was added to the simulated Ground Laser Target Designator (GLTD).

Pilot Station enhancements - New features were added to the IFACTS pilot station, more weapons incl. flares were delivered, and extended pilot information was integrated into the Head Up Display (HUD).

New Model Content - The new IFACTS version was delivered with substantial new 3D content. Several military 3D models including aircraft, helicopters and armoured vehicles have been added to the IFACTS model library. Improvements to provide a more realistic terrain and weather conditions were also added.

After Action Review module - Several improvements and new features were added to the instructor station, including a significantly improved Recording&Playback module for After Action Review (AAR). The AAR module is based on the 'IFAD Logger' (a product provided by IFAD). It offers synchronised playback (incl. sound) of training sessions conducted in a distributed training environment.

3D Trajectories – As part of the release a 3D Trajectory module that displays trajectories of all moving entities was delivered. The module is integrated into the IFACTS Instructor station and is used for deconfliction analysis. It enables an analysis of trajectories of all entities that were active during a training session, e.g. aircraft, helicopters, UAVs, armoured vehicles, missiles and bombs.



ITEC'2013 Exhibition

IFAD will demonstrate IFACTS at the ITEC'2013 exhibition which takes place in Rome, Italy 22-24 May. More information about the exhibition is available at: www.itec.co.uk.

About IFACTS

IFACTS is a deployable, PC-based system for training and practising the direction of close air support, providing a synthetic environment within which the FAC can control aircraft mission using simulated communications and simulated equipment.



With IFACTS forward air controllers exercise realistic true-to-life scenarios, including Convoy Escort, Show of Force, Talk-On and Engagements. High and Low Level Close Air Support procedures are rehearsed in all weather conditions, day or night. Simulated equipment includes GPS, ground laser target designators (GLTD), laser range finders, binoculars, NVG, compass, smoke grenades, thermal equipment and ROVER.

The IFACTS solution can be used stand-alone or networked, either in a local configuration or geographically distributed with pilots and FACs operating at different sites. The system can either be used with the IFACTS 'Easy-to-Fly' aircraft controlled by the instructor; with a real pilot-in-the-loop controlling a flight simulator; or in a combination with both. IFACTS is also networked with the Army's CGF system, JCATS (*Joint Conflict and Tactical Simulation*). Realistic training scenarios are generated and controlled by JCATS. Intercom and radio communication is handled by IRAS, a simulator provided by IFAD. IFACTS makes use of standards, e.g. HLA/DIS and COTS which provides for flexibility and low-risk to the customers.

A typical IFACTS configuration for joint FAC/AO and pilot training would consist of several PCs in a distributed environment with one or more FAC and AO stations, a pilot station, an instructor station, battle management systems, and a CGF.

Further information:

Benny G. Mortensen +45 63110211 / +45 31329833 or info@ifad.dk
More information is also available at: www.ifad.dk