

Strengthening today's most critical mission training environments with comprehensive trainer & simulation support



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Pilot Training
Currently under development at Nakuuruq is the upgrade to the Aerial Refueling Part Task Trainer (ARPTT) to the C-5M model. This trainer is used by pilots to simulate the aerial maneuvering, docking and refueling of the C-5.

Leveraging superior engineering, business & operational practices to reduce cost & minimize risk.

- TSSC Operations
- CLS/Operations Maintenance & Support
- Nonproprietary Solutions
- New Trainer Capabilities
- Trainer Platform Concurrency Modifications
- Trainer Design & Development
- Change/Configuration Management
- Lifecycle C-5 Trainer & Simulation Support
- Asset Management
- Hardware, Software, Systems Engineering
- Fixed Price Contracts
- Sustainment

Delivering trainer concurrency updates, technology updates and new trainer capability on average 1.6 months ahead of schedule. Achieving 100% trainer availability on our C-5 CLS (contract). Saving the government \$1 million+ on technical manual rewrites. Reducing risk through fixed price contracts. Ensuring our customers retain ownership of all intellectual property. These consistently superior engineering and business practice outcomes are just a handful of reasons why Nakuuruq Solutions, LLC has become the trainer and simulation vendor of choice for some of today's most critical military operations.

In response to an unmet classroom instruction requirement, Nakuuruq designed/manufactured the C-5 Fuel Systems Trainer Panel 2.

The C-5 Fuel Systems Trainer Panel 2 (Dewar) is a Maintenance Training Device (MTD) enabling an instructor to teach the C-5 Fuel Tank Pressurization System and Nitrogen Fire Suppression System in a classroom environment. In response to unfulfilled needs Nakuuruq Solutions designed and manufactured this device for the United States Air Force C-5 MATS Program Office, 507th ACSS/GHMSC, Hill Air Force Base, Utah. Two units were delivered for the program, one located at Travis Air Force Base and the other at Dover Air Force Base. A software simulation running on a single board computer allows an instructor to train students on specific procedures for the Fuel Tank Pressurization System and Nitrogen Fire Suppression System.

This trainer is designed to support classroom instruction for the operational check of the:

- Vent Valve
- Service Panel switches & system
- Liquid Level Sensor Signal Conditioner
- Primary/Secondary Pressure Regulators
- Nitrogen Fire Suppression Panel & system components

The operational switches, lights and gauges provide a realistic simulation of the systems and offer the student the opportunity perform and explore a variety of maintenance operations.

All major systems. All critical services.

Since 2009, Nakuuruq has successfully supported Air Force training and simulation operations and maintenance requirements on C-5 Galaxy Maintenance Training Devices at Dover AFB and Travis AFB. Since 2011, we have achieved the same success on the operations and maintenance of the C-5 Aerial Refueling Part Task Trainers at Dover AFB, Travis AFB, and Lackland AFB. Operations and maintenance is performed on all major aircraft maintenance training systems, which include at a minimum: avionics systems, electrical systems, mechanical systems, hydraulic systems, fuel systems, oxygen systems, cargo door and ramp systems, landing gear systems, and HVAC systems.

Comprehensive support.

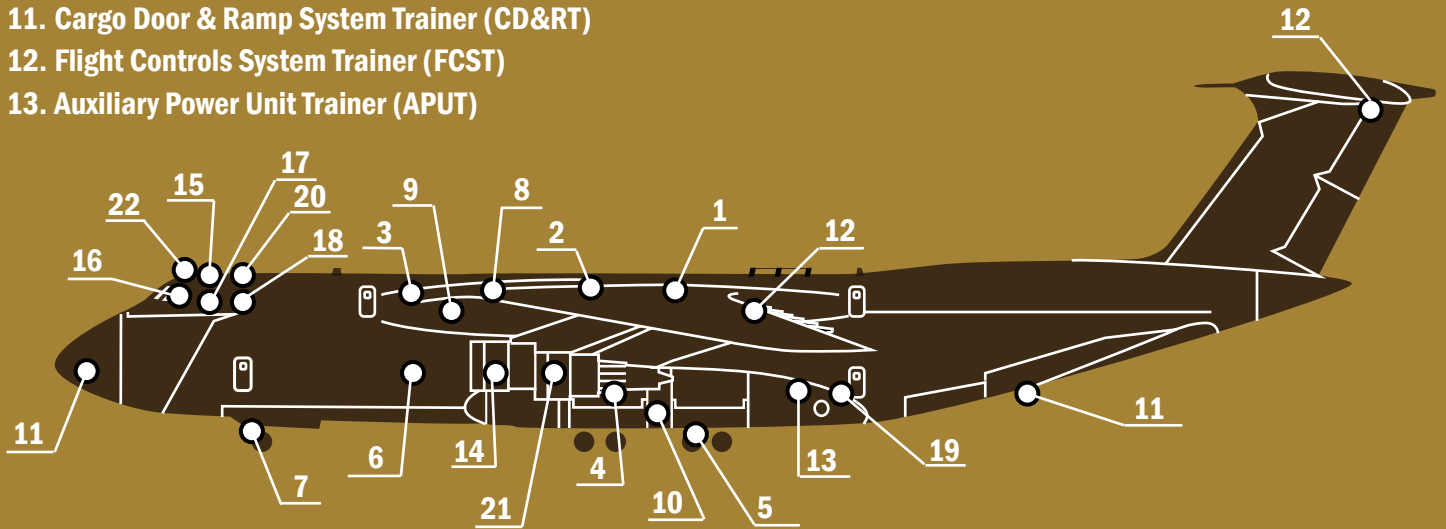
Our comprehensive Maintenance Training Device Training Support System Center (TSSC) at Travis AFB—rated exceptional and on file in CPARs—successfully performs and/or manages all modifications, including concurrency updates to trainer product baselines, configuration management and installation for training devices. We provide on-site Contract Logistical Support (CLS) for all maintenance and operations of maintenance training devices. And we maintain trainer unique stocks, Government Furnished Property and distribute all Maintenance Training System technical documents, engineering drawings and software. Our Lackland AFB Air Refueling Part Task Trainer TSSC performs the same functions as the TSSC at Travis AFB.



C-5 Fuel Systems Trainer Panel 2

Lifecycle support for all C-5 critical system maintenance

1. Fuel Quantity System Trainer (FQST)
2. Fuel System Trainer (FST)
3. Fire Detector System Trainer (FDST)
4. Thrust Reverser System Trainer (TRST)
5. Brake & Main Landing Gear System Trainer (BMLGT)
6. Hydraulic Power System Trainer (HPST)
7. Nose Landing Gear & Steering System Trainer (NLGT)
8. Electrical System Trainer (EST)
9. Air Conditioning & Pressurization System Trainer (AC&PST)
10. Oxygen Systems Trainer (OST)
11. Cargo Door & Ramp System Trainer (CD&RT)
12. Flight Controls System Trainer (FCST)
13. Auxiliary Power Unit Trainer (APUT)
14. TF39 Propulsion System Trainer (PST1)
15. Aircraft Aerial Refueling Receptacle Trainer (AARRT)
16. Integrated System Trainer (IST)
17. Malfunction Detection, Analysis & Recording Training System III (MADARTS III)
18. Combined Avionics System Trainer (CAST)
19. 3400 Auxiliary Power Unit Trainer (APUT2)
20. Aerial Refueling Part Task Trainer (ARPTT)
21. Engine Maintenance Training Device (EMTD)
22. Aircraft Maintenance Systems Trainer (AMST)



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