

Broad Capabilities

J.F. Taylor, Inc. uses a wide variety of computational systems, operating systems, and programming languages to provide our customers the best device possible. We have developed real-time capabilities utilizing Intel-based systems. Our latest systems are designed using PC technology with LINUX and Microsoft Windows operating systems.

We have developed devices to provide interoperable training with other training systems using High Level Architecture (HLA) and Distributed Interactive Simulation (DIS). We have also integrated different Semi-Automated Forces (SAF) systems into our training devices. This provides a much richer synthetic environment for the warfighter.

J.F. Taylor, Inc. has fabrication facilities for both mechanical and electrical designs. This lowers cost and risk as our technicians have direct access to the engineering team throughout the fabrication and installation process.

We understand the importance of logistics and maintenance documentation as it pertains to the life cycle cost and availability of the device. Our talented logistics and documentation teams work with the engineering teams to produce accurate and complete documents the first time.



A model of the AH-1W trainer delivered overseas under an FMS Program. The trainers had 99% availability during their first five years of operation, a tribute to J.F. Taylor's quality products.

Competitive Pricing

To reduce initial costs as well as maintenance expenses for our customers, we:

- Utilize the best COTS products available to lower initial and maintenance costs.
- Rehost existing software models to reduce development time and initial costs.
- Draw from our large library of tested avionics models that can be used in new devices.
- Actively track progress throughout the design process.
- Create designs that include all human engineering factors.

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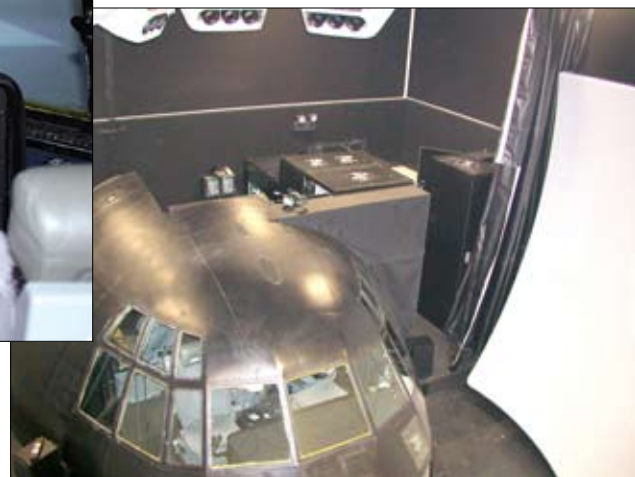
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KC-130T APT developed and manufactured at the J.F. Taylor, Inc. facility from a salvaged cockpit shell.



J.F. Taylor, Inc.

Simulation Experience

Certified to ISO 9001:2008 with Design

Founded in 1983, J.F. Taylor, Inc.'s roots are in the RDT&E of military aircraft systems. This background provides us with relevant aircraft experience that we apply directly to the trainer systems we are developing today. We have been building simulation and trainer systems since 1987, and in the last five years have produced complex trainers and trainer components for the USN and USCG.

Trainer Experience

AH-1W & UH-1N
CH-47
CH-53E
KC-130T
F-14A/B
F/A-18C/D/E/F
MH-60S/R/T
SH-60B
P-3C
VH-3D & VH-60N
V-22

J.F. Taylor, Inc.

is a TSC II prime contractor for the USN. With our experienced engineers and manufacturing facility we specialize in:

Full Flight Simulators & Components

High Fidelity Cockpits & Crewstations
Avionics Model Development
Trainer Device Integration, Rehosts, & Upgrades

Panel Design, Fabrication, & COTS Panels
Visual Systems & Database Development
Instructor/Operator Stations

Military Systems RDT&E

Instrumentation Development
Test Set Development
Test Planning
Data Analysis
Avionics Stimulation

Full Flight Simulators & Training Devices

J.F. Taylor, Inc. provides full-scale development of advanced military full flight simulators. Our staff of seasoned engineers considers the life cycle cost of each device and utilizes open architectures and the latest Commercial-Off-The-Shelf (COTS) components to deliver a cost-effective and capable training device. Our success on past projects, coupled with our manufacturing capabilities and experience as a master integrator make J.F. Taylor, Inc. a low-risk provider of training system devices.



SH-60B Console

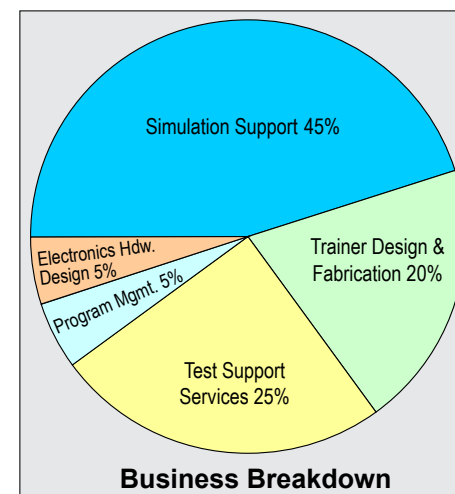
Our goals are to be responsive to customer requirements, improve the warfighters' training capabilities, and lower training costs. Our teamwork, quality processes, and detailed planning provide our customers with a fully functional simulator on budget and on time. Our management believes in the Integrated Program Team (IPT) concept, and we have led and participated in IPTs on all our training device developments. This format gives the customer more frequent input into the overall design.

Extensive Experience

The company's extensive experience in military aircraft RDT&E positions J.F. Taylor, Inc. as a uniquely qualified supplier of training system devices. Our talented team of managers, engineers, technicians, logisticians, and technical writers apply knowledge acquired from both previous training systems and our RDT&E work to new training systems under development.

We have been involved in trainer development on the U.S. Navy, U.S. Marine Corps, U.S. Army, and U.S. Coast Guard platforms shown in the box above, including FMS programs.

We integrate a multitude of vendors' products into key trainer functions to produce a superior product. This includes visual system vendors such as E&S, SGI, SEOS, Quantum 3D, and Aechelon; as well as control loading system vendors such as SCT, Fokker, and Servos and Simulation.



Aircraft Platform	Program Highlights	J.F. Taylor Capabilities
AH-1W	<ul style="list-style-type: none"> US Navy FMS Case <ul style="list-style-type: none"> Developed 2 high-fidelity flight simulators Greater than 99% trainer availability over 5 years Provided international Logistics support For USMC flight simulators, performed NTIS modifications & CLS upgrades 	<ul style="list-style-type: none"> International Delivery & CLS High-Fidelity Simulators Legacy Device Upgrades Master Integrator Long-term CLS
CH-53E	<ul style="list-style-type: none"> Performed visual, control loading, & software upgrades on WSTs <ul style="list-style-type: none"> AAQ-16B FLIR to AAQ-29A FLIR Dome refurbishment, projectors, IG, & visual databases Software installs, host & IOS replacement Electric control loading system (replaced hydraulic) 	<ul style="list-style-type: none"> Legacy Device Upgrades Master Integrator Multiple Devices Team Builder Subcontractor Management
H-60 FAST	<ul style="list-style-type: none"> Modifying legacy SH-60B, SH-60F, HH-60H, & MH-60S flight trainers 	<ul style="list-style-type: none"> Legacy Device Upgrades Applied COTS from Prior Projects Ambient Light Engineering
H-60 MAST	<ul style="list-style-type: none"> Delivered 2 Mission Avionics Subsystem Trainers 	<ul style="list-style-type: none"> High-Quality Fabricator
KC-130T	<ul style="list-style-type: none"> Developed a high-fidelity flight APT with Navigator Station Transportable enclosure Delivered overseas 	<ul style="list-style-type: none"> Fixed-Wing Experience High-Fidelity Simulator International Delivery & CLS Outstanding Documentation
MH-60R & SH-60B	<ul style="list-style-type: none"> Fabricated hardware for 8 high-fidelity cockpits for TOFT devices: WTTs, OFTs, tactics instructor stations, on- & off-board racks Delivered 4 cockpits in 12 months Fabricating 2 Avionics Maintenance Trainers (AMTs) 	<ul style="list-style-type: none"> High Production Capability High-Quality Fabricator
MH-60S	<ul style="list-style-type: none"> Fabricating high-fidelity cockpits & hardware for 8 OFTs Modified TOFT #6 cockpit for motion base Delivered cockpits #2-6 Installed visual system for TOFT #2 Developing IOS and I/O System for CSTRS Trainer 	<ul style="list-style-type: none"> Visual System Integration Flexibility & Adaptability High Production Capability High-Quality Fabricator Motion/Vibration-Capable Cockpit



**Employee Pride in Workmanship
Keeps Customers Returning**

Certified to ISO 9001:2008 with Design

Aircraft Platform	Program Highlights	J.F. Taylor Capabilities
MH-60T	<ul style="list-style-type: none"> Developed a high-fidelity Cockpit Procedures Trainer 	<ul style="list-style-type: none"> High-Fidelity Simulator Glass Cockpit Experience Fielded CPT Prior to Aircraft
P-3C	<ul style="list-style-type: none"> Forward Deployed Trainers <ul style="list-style-type: none"> Delivered RO-32 emulator Performed MX-15 upgrade Reconfigurable Electronic Warfare Trainers <ul style="list-style-type: none"> Performed MX-15 upgrade Tactical Operational Readiness Trainer & Reconfigurable Electronic Warfare Trainer <ul style="list-style-type: none"> Delivered AN/ALR-95 (V)2 ESM system Ported & tested PAS-137D(V)5 radar control indicator software 	<ul style="list-style-type: none"> Complex Avionics Modeling RDT&E Capabilities Fixed-Wing Experience Legacy Device Upgrades
SH-70B	<ul style="list-style-type: none"> Built simulated panels for Turkey 	<ul style="list-style-type: none"> International Delivery COTS Manufacturer
VH-3D & VH-60N	<ul style="list-style-type: none"> Executive Helicopter Program APT Original Build <ul style="list-style-type: none"> Developed high-fidelity cockpits Produced visual databases for 5 gaming areas Supported device integration into transportable enclosures APT Upgrade Program <ul style="list-style-type: none"> Technology refresh & visual system replacement Glass Cockpit upgrade (VH-60) Carson Blade upgrade (VH-3) 	<ul style="list-style-type: none"> Visual Database Development High-Quality Fabricator Exceeded Customer's Quality Expectations Visual System Integration Master Integrator Glass Cockpit Experience
Manned Flight Simulator Support	<ul style="list-style-type: none"> Supported trainer development projects including: AH-1W, CH-47, CH-53, CH-60, F-14A, MH-60S, SH-60B, UH-1N, & V-22 Involved in visual database development, avionics modeling, engineering design, fabrication, IOS development, & device testing Support all in-house simulation systems development, operations, & maintenance 	<ul style="list-style-type: none"> Prime Contractor since 1991 High-Quality Fabricator Master Integrator RDT&E Capabilities

