

Advanced Logistics Technology, Inc. Partial Contract Summary

Contractual Data		Technical Description
<p>Program: Ground-based Midcourse Defense Systems Verification Client: Bechtel National, Inc. Period: 4/04 to Present Contract No.: 24723-211-SFO-TSC-038 Contract Type: Fixed Unit Rate Dollar Value: \$358,132 Status: Current contract. On schedule and on budget.</p>	<p>ALTech provides technical support for the Ground-based Midcourse Defense (GMD) Segment Project. ALTech is responsible for Requirements Definition and Design Verification tasks.</p>	
<p>Program: Ground-based Midcourse Defense ILS Client: Fluor Alaska, Inc. Period: 5/03 to Present Contract No.: 600100-9-F50037 Contract Type: Firm Fixed Price Dollar Value: \$957,005 Status: Completed on time.</p>	<p>ALTech provides technical support for the Ground-based Midcourse Defense Segment (GMD) Project. ALTech is developing the Facility System Operation and Maintenance Manuals (FSOMMs), as well as all Interactive Electronic Technical Manuals (IETMs). We have also provided the planning and video documentation of the Training Courses for these 16 facilities at Ft. Greely, Alaska. Fluor is the prime contractor to the U.S. Army Corps of Engineers on this project.</p>	
<p>Program: Ground-based Midcourse Defense ILS Client: Bechtel National, Inc. Period: 6/02 to Present Contract No.: 24723-211-SFO-TSC-039 Contract Type: Fixed Unit Rate Dollar Value: \$4,269,445 Status: Current contract. On schedule and on budget.</p>	<p>ALTech provides technical support for the Ground-based Midcourse Defense Segment (GMD) Project. ALTech is performing all Integrated Logistics Support (ILS) tasks, and developing all Interactive Electronic Technical Manuals (IETMS). ALTech is performing Logistics Support Analysis (LSA) on all GMD components, and Provisioning/Supply Support analysis. Other activities include development and presentation of Technical Training Courses, Support Equipment identification and evaluation and Facility System Operation and Maintenance Manual (FSOMM) development.</p>	
<p>Program: Ground-based Midcourse Defense Systems Engrg Client: Bechtel National, Inc. Period: 5/02 to Present Contract No.: 24723-211-SFO-TSC-038 Contract Type: Fixed Unit Rate Dollar Value: \$2,531,061 Status: Current contract. On schedule and on budget.</p>	<p>ALTech provides technical support for the GMD Project. ALTech establishes and maintains a parts, materials and process control program. ALTech conducts a Reliability, Availability, Maintainability (RAM) and Testability Program. ALTech also implements and conducts a configuration management database using a computer-based tool. Develops test documentation and drawings of all project end items and components. Performs development and qualification test programs. Develops and implements a closed loop Failure Reporting, Analysis, and Corrective Action System (FRACAS).</p>	

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<p>Program: Ground-based Midcourse Defense ILS Client: Parsons, Inc. Period: 5/03 to 11/04 Contract No.: 600100-9-F50037 Contract Type: Fixed Unit Rate Dollar Value: \$297,084 Status: Completed on time and under budget</p>	<p>ALTech provided technical support for the Ground-based Midcourse Defense Segment (GMD) Project. ALTech was responsible for developing the Facility System Operation and Maintenance Manuals (FSOMMs), as well as all Interactive Electronic Technical Manuals (IETMs) for a facility at Vandenberg Air Force Base, California. We also provided the Training Plan for this project. Parsons is the prime contractor to the U.S. Army Corps of Engineers on this project.</p>	
<p>Program: Various Client: Honeywell, Inc. Period: 3 years (3/00–Present) Contract No.: Various Contract Type: Firm Fixed Price Dollar Value: \$182,800 Status: Current contract. On schedule and on budget.</p>	<p>ALTech provides Reliability and Availability support to Honeywell Aerospace Electronic Systems on a variety of avionics equipment. Specific activities include reliability predictions in accordance with MIL-HDBK-217, electronic stress analyses, and availability analyses. Analyses are performed using computer models. Subcontract.</p>	
<p>Program: Crashworthy Auxiliary Fuel Tank Systems For Helicopters Client: Robertson Aviation, LLC Period: 4 years (5/99–Present) Contract No.: Various Contract Type: Fixed Rate Dollar Value: \$242,320 Status: Current contract. On schedule and on budget.</p>	<p>Performed a variety of systems engineering tasks for several crashworthy auxiliary fuel tank systems for helicopters. These systems combine a crashworthy, self-sealing container, with the pumps, valves, sensors and electronic control panels needed for efficient transfer of fuel between the tank and the helicopter fuel system. Aircraft have included the CH-47, Apache, EH101, and V-22. Tasks performed included Reliability Analyses, FMECA, Maintainability Analyses, System Safety Hazard Analysis, Human Factors, Manpower, Personnel, Training Plan, Training and Safety (HMPTS) reports, Provisioning and development of Technical Manuals. Subcontract.</p>	
<p>Program: Universal Jet Aircraft Start Unit (UNIJASU)–Phase II Client: Tiernay Turbines, Inc. (Now Walker Power Systems) Period: 3 years (12/96–10/99) Contract No.: A34143 Contract Type: Time and Materials Dollar Value: \$177,000 Status: Completed on time and in budget.</p>	<p>ALTech supported Tiernay Turbines for the U.S. Navy UNIJASU by performing all Integrated Logistics Support (ILS), Reliability, Maintainability and System Safety tasks. The UNIJASU provides high volume air for starting U.S. Navy and Marine jet aircraft for both carrier and land based operations. ALTech performed Logistics Support Analysis (LSA) on all Tiernay components, Reliability, Maintainability and Safety Analyses and Predictions, including FMECA, SSHA and O&SHA, and Provisioning/Supply Support analysis.</p>	

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<p>Program: Inflatable Body And Head Restraint System (IBAHRS) – Low Rate Initial Production (LRIP)</p> <p>Client: Simula Government Products, Inc.</p> <p>Period: 5/97–8/99</p> <p>Contract No.: N0019-96-C-0109</p> <p>Contract Type: Firm Fixed Price</p> <p>Dollar Value: \$150,588</p> <p>Status: Completed on time.</p>	<p>ALTech performed all Integrated Logistics Support (ILS) tasks in support of Simula Government Products, Inc. for the U.S. Army Inflatable Body And Head Restraint System (IBAHRS). The ILS program included follow-on work in: ILS Management, Logistics Support Analysis, Reliability, Maintainability, Human Factors, Training Plan, Training, Modification Work Orders, Technical Manuals, Provisioning tasks and a Logistics Demonstration. ALTech also supported Simula in the above areas at formal design reviews and ILS Management Team Meetings.</p>	
<p>Program: Inflatable Body And Head Restraint System (IBAHRS)</p> <p>Client: Simula Government Products, Inc.</p> <p>Period: 5 years (7/91–7/96)</p> <p>Contract No.: DAAJ09-91-C-1048</p> <p>Contract Type: Fixed Rate</p> <p>Dollar Value: \$342,644</p> <p>Status: Completed on time and \$6,000 under budget</p>	<p>ALTech performed all Integrated Logistics Support (ILS) tasks in support of Simula Government Products, Inc. for the U.S. Army Inflatable Body And Head Restraint System (IBAHRS). The ILS program included: Logistics Support Analysis, Reliability, Maintainability, Human Factors, Training Plan, Training, Technical Manuals, Modification Work Orders, and Provisioning. ALTech also supported Simula in the above areas at formal design reviews and ILS Management Team Meetings.</p>	
<p>Program: L159/F124 Engine Program- Reliability, Maintainability and LSAR Database Processing</p> <p>Client: AlliedSignal Engine Division (Now Honeywell Engines)</p> <p>Period: 7 months (9/97–3/98)</p> <p>P.O. No.: 0017427</p> <p>Contract Type: Time & Material</p> <p>Dollar Value: \$67,000</p> <p>Status: Completed on schedule.</p>	<p>ALTech supported AlliedSignal by preparing the F124 Engine (L159 Aircraft) Failure Modes, Effects and Criticality Analysis (FMECA). The existing TFE 1042 engine FMECA database served as the basis for this effort. Tasks included the following:</p> <ul style="list-style-type: none"> • Close coordination with AE ILS/LSA elements to meet program needs (schedule and timing of efforts). • Review of F124 current configuration for understanding of modifications. • Review of field data to discover new Failure Modes and Effects. • Review/update of Failure Rates associated with Failure Modes. • Reassessment of Safety Severity Codes for single engine criteria. • Update of Maintainability Predictions and Derate Tables to input “B” data table elements (MTBMA, MTB, MTBPM, MTTR, Aa, Ao, Aa and wearout life). • Input Reliability/Maintainability/Safety data into SLIC-2B LSA database. • Delivered final FMECA and RMS data via electronic transfer and hard copy using SLIC-2B database. 	

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Contractual Data

Technical Description

Program: MATBAT
 Client: Motorola, Government and Space Technology Group
 GSTS (now General Dynamics)
 Period: 32 months (5/94–1/97)
 Contract No.: XXQ436
 Contract Type: Firm Fixed Price
 Dollar Value: \$331,384
 Status: Completed on schedule and below budget.

ALTech performed all ILS tasks for the MATBAT system in support of Motorola GSTG. The MATBAT system is a center for the Government of Israel, similar to the National Training Center in the U.S. It uses a data communication system of cellular telephone technology to instrumented player units with a central control center. The ILS program included: Logistics Support Analysis (LSA), Reliability, Maintainability, Safety, Human Factors, MANPRINT, Training Plan, Training, Technical Manuals, and Provisioning. ALTech represented Motorola in the capacity of ILS Manager at formal design reviews and ILS Management Team Meetings.

Program: Universal Jet Aircraft Start Unit (UNIJASU)–Phase II,
 Reliability, Maintainability and System Safety Support
 Client: AlliedSignal Engine Division (Now Honeywell
 Engines)
 Period: 10/97–8/98
 P.O. No.: 0017367
 Contract Type: Time & Material
 Dollar Value: \$76,600
 Status: Completed on schedule.

ALTech supported AlliedSignal for the U.S. Navy UNIJASU by performing the following tasks:
 A. Maintainability Program Support:
 • Update Maintainability Modeling, Allocations and Predictions Report.
 • Prepare Maintainability Demonstration Plans and Reports for Intermediate and Depot maintenance levels.
 • Prepare Testability Demonstration Plan and Report.
 B. Reliability Program Support:
 • Update Failure Modes, Effects and Criticality Analysis (FMECA).
 • Update Reliability Modeling and Prediction Reports.
 • Update System Safety Hazard Analysis (SHA) Report.
 • Update Operating & Support Hazard Analysis (O&SHA) Report.
 • Evaluate Safety and Reliability of Support Equipment.

Program: Universal Jet Aircraft Start Unit (UNIJASU)–Phase II,
 LSA/Technical Manual support
 Client: AlliedSignal Engine Division (Now Honeywell
 Engines)
 Period: 12/97-8/98
 P.O. No.: 0023868
 Contract Type: Time & Material
 Dollar Value: \$20,000
 Status: Completed on schedule and under budget.

ALTech supported AlliedSignal on the U.S. Navy UNIJASU program by performing the Logistic Support Analysis (LSA) to be used in the development of Technical Manuals. This activity included preparing fault isolation source data for LSA, and entry of data into the UNIJASU LSA database.

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<p>Program: F124 Engine & T100 APU LCC Analysis Client: AlliedSignal Engine Division (Now Honeywell) Period: 11/96–1/97 P.O. No.: 0026426 Contract Type: Time & Material Dollar Value: \$9,500 Status: Completed on schedule and under budget.</p>	<p>ALTech supported the AlliedSignal BAE/Hawk-100 Lead-In-Fighter (LIF) proposal by providing Life Cycle Cost data sets for the F124 Engine and T100 Auxiliary Power Unit (APU). ALTech was called in at the last minute to support this short-term, intensive effort.</p>
<p>Program: AN/ALQ-99E(V) Solid-State Band 4 Transmitter Client: Motorola, Government Electronics Group (GEG) (now General Dynamics) Period: 3 years (9/91–9/94) Gov. Cont. No.: F09603-91-C-1131 Contract Type: Firm Fixed Price Dollar Value: \$198,794 Status: Completed on schedule and in budget.</p>	<p>ALTech performed all Integrated Logistic Support (ILS) tasks for the U.S. Air Force AN/ALQ-99E(V) Solid-State Band 4 Transmitter Program in support of Motorola Government Electronics Division. The ALQ-99E(V) Transmitter supplies band 4 transmitter capability for the EH-111A aircraft. The ILS program included: Reliability Program and Maintainability Program, Safety Program, Human Engineering Program, Logistics Support Analysis, and Provisioning. ALTech represented Motorola at formal Government Design Reviews in the areas of ILS, Reliability, Maintainability and System Safety.</p>
<p>Program: Range Data Measurement Subsystem (RDMS) Upgrade Client: Motorola, Government and Space Technology Group (now General Dynamics) (now Space and Systems Technology Group) Period: 33 months (3/93–12/95) Gov. Cont. No.: N61339-92-C-0106 Contract Type: Firm Fixed Price Dollar Value: \$544,909 Status: Completed on schedule and in budget.</p>	<p>ALTech performed all Integrated Logistics Support (ILS) tasks for the National Training Center (NTC) Range Data Measurement Subsystem Upgrade program in support of Motorola GSTG. The RDMS Upgrade is a data communication system using cellular telephone technology to link instrumented player units with a central point at the NTC. The system permits the tracking of players and transmission of engagement data. The ILS program included: Logistics Support Analysis, Reliability, Maintainability, Safety, Human Factors, MANPRINT, Training Plan, Training, Technical Manuals, and Provisioning. ALTech supported Motorola in the above areas at formal design reviews and ILS Management Team Meetings.</p>

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<p>Program: Data Link Subsystem (DLS) portion of the Global Positioning System Client: QualComm, Inc. Period: 8 months (6/89–2/90) Contract No.: S90-60036-1029 Contract Type: Time and Material Dollar Value: \$103,500 Status: Completed on time and in budget.</p>	<p>ALTech performed all Maintainability Predictions, Reliability Predictions, FMECA, System Safety activities, Human Engineering Program, and Logistics Support Analysis efforts for QualComm, Inc. relative to the Data Link Subsystem (DLS) portion of the Global Positioning System.</p>	
<p>Program: AN/APQ-150A Radar Modification Program Client: Motorola, Government Electronics Group (now General Dynamics) Period: 34 months (11/88–8/91) Gov. Cont. No.: F09603-88-C-2465 Contract Type: Firm Fixed Price Dollar Value: \$618,531 Status: Completed under budget and on schedule.</p>	<p>Advanced Logistics Technology, Inc. (ALTech) performed all Integrated Logistic Support (ILS) tasks for the U.S. Air Force AN/APQ-150A Radar Modification Program in support of Motorola Government Electronics Division. The AN/APQ-150A supplies the fire control for the various weapons mounted on the AC-130H gunship. The ILS program included: Maintainability Program and Maintainability Predictions, Safety Program, Human Engineering Program, Logistics Support Analysis, and Provisioning. ALTech represented Motorola at formal Government Design Reviews in the areas of ILS, Maintainability and System Safety.</p>	
<p>Program: Missile End-Game Scoring (MEGS) System Client: Motorola, Government Electronics Group (now General Dynamics) Period: 2 years (1/90–1/92) Gov. Cont. No.: F08635-90-C-0033 Contract Type: Firm Fixed Price Dollar Value: \$387,618 Status: Completed on schedule and in budget.</p>	<p>ALTech performed all Integrated Logistic Support (ILS) tasks for the U.S. Air Force Missile End-Game Scoring (MEGS) System in support of Motorola, Government Electronics Group. The MEGS system provides air-to-air missile/target end-game vector scoring performance data. ALTech was responsible for ILS Management, Logistics Support Analysis, System Safety Program, Maintainability Program, Human Engineering Program, and Technical Manual development.</p>	

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<p>Program: 1042 Engine Program Client: Garrett Turbine Engine Co. (now Honeywell Engines) Period: 10 months (5/87–3/88) Contract No.: P0003367/P0011348 Contract Type: Firm Fixed Price Dollar Value: \$230,000 Status: Completed on schedule and below budget.</p>	<p>ALTech supported the Garrett Turbine Engine Company System Safety Program in the areas of Preliminary Hazard Analysis (PHA), Fault Tree Analysis, and the Operating and Safety Hazard Analysis (O&SHA) for the 1042 Engine Program.</p>
<p>Program: Non-Aqueous Equipment Decontamination System (NAEDS) Client: General Atomics, San Diego, CA Period: 39 months (12/86–3/90) Gov. Cont. No.: DAAA15-86-C-0080 Contract Type: Firm Fixed Price Dollar Value: \$1,700,000 Status: Completed in budget and on schedule.</p>	<p>ALTech performed the Reliability, Maintainability, System Safety, Parts Control, and Producibility programs for General Atomics in relation to the U.S. Army NAEDS program. ALTech also supplemented the General Atomics design team in equipment design as well as generation and checking of drawings to DoD standards. The NAEDS is a small fixed site decontamination system assigned the mission of performing toxic Nuclear, Biological, and Chemical (NBC) warfare agent decontamination of small electrical, optical, avionic, medical, and personnel equipment. ALTech performed the following specific tasks in support of the NAEDS program: System Safety Program and Reporting, Reliability Program, Modeling and Predictions, Configuration Control — Engineering Changes, Deviations and Waivers, Definition of Terms for Reliability and Maintainability, Reliability Prediction of Electronic Equipment, Procurement Data Package, FMECA, Parts Control Program, Producibility Program, Human Factors Engineering, Maintainability Program, and Maintainability Verification/Demonstration/ Evaluation.</p>
<p>Program: Vibration Analysis Test Set (VATS) Client: Dynamic Instruments, Inc., San Diego, CA Period: 9 months Gov. Cont. No.: N00140-86-C-9090 Contract Type: Firm Fixed Price Dollar Value: \$49,000 Status: Completed on time and in budget.</p>	<p>ALTech performed the VATS effort for Dynamic Instruments, Inc. as part of a U.S. Navy requirement for helicopter performance measurements. The VATS system performs single and dual plane balancing of propellers, helicopter main and tail rotors, high bypass turbofans and propfans. It also performs engine/airframe vibration analysis/health monitoring on the ground, in hover, and during forward flight. ALTech was responsible for all Integrated Logistic Support (ILS) and Reliability efforts associated with this program. Some of these efforts included: Logistics Support Analysis, FMECA, Reliability Predictions of Electronic Equipment, Provisioning, and Provisioning Technical Documentation.</p>

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Program: B-1B Program
 Client: Garrett Turbine Engine Co. (now Honeywell Engines)
 Period: 5 months (12/86–4/87)
 Contract No.: 1219837
 Contract Type: Firm Fixed Price
 Dollar Value: \$12,935
 Status: Completed ahead of schedule and on budget.

ALTech supported the Parts Control and Evaluation program for Garrett Turbine Engine Co. in support of the U.S. Air Force B1-B Program.

Program: Universal Jet Aircraft Start Unit (UNIJASU)
 Client: Tiernay Turbines, Inc.(now Walker Power Systems)
 Period: 3 years (2/92–1/95)
 Gov. Cont. No.: N68335-92-C-0159
 Contract Type: Firm Fixed Price
 Dollar Value: \$225,062
 Status: Completed on schedule and in budget.

ALTech supported the Tiernay Turbines/Textron-Lycoming design team for the U.S. Navy UNIJASU by performing all Integrated Logistics Support (ILS), Reliability, Maintainability and System Safety tasks for the Tiernay partner, and selected ILS tasks for the Textron partner. The UNIJASU provides high volume air for starting U.S. Navy and Marine jet aircraft for both carrier and land based operations. ALTech performed Logistic Support Analysis (LSA) on all Tiernay components, provided quality review of Textron LSA data, and integrated the databases. ALTech performed Reliability, Maintainability and Safety Analyses and Predictions, including FMECA, SSHA and O&SHA for Tiernay Turbines. ALTech performed Provisioning (supply support) Analysis, Technical Manual preparation and Training Analysis for both partners.

Program: Universal Jet Aircraft Start Unit (UNIJASU)
 Client: Textron-Lycoming, Stratford, CT (now a part of Honeywell Engines)
 Period: 3 years (2/92–1/95)
 Gov. Cont. No.: N68335-92-C-0159
 Contract Type: Firm Fixed Price
 Dollar Value: \$130,548
 Status: Completed on schedule and in budget.

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Program: Non-Cooperative Aerial Vector Scoring (NAVS) System
 Client: Motorola, Government Electronics Group (now General Dynamics)
 Period: 33 months (9/93–6/96)
 Gov. Cont. No.: N62269-93-C-0421
 Contract Type: Firm Fixed Price
 Dollar Value: \$841,850
 Status: Completed on schedule and in budget.

ALTech performed all ILS tasks for the NAVS system in support of Motorola, GSTG. The system provides for evaluation of End Game performance of anti-air missiles against aerial targets. The ILS program included: Logistics Support Analysis, Reliability, Maintainability, Safety, Human Factors, MANPRINT, Training Plan, Training, Technical Manuals, and Provisioning. ALTech supported Motorola in the above areas at formal design reviews and ILS Management Team Meetings.

Program: Integrated Target Control System (ITCS)
 Client: Motorola, Government Electronics Group (now General Dynamics)
 Period: 3 years (8/94–8/97)
 Gov. Cont. No.: N68936-94-C-0085
 Contract Type: Firm Fixed Price
 Dollar Value: \$465,330
 Status: Completed on schedule and in budget.

ALTech performed Integrated Logistic Support (ILS) tasks for the modification of the AN/TSW-10(V) Multiple Drone Control Set (MDCS). The AN/TSW-10(V) is the radar tracking and processing and display element of the AN/USW-3(V) Integrated Target Control System (ITCS). The ILS program includes Reliability, Maintainability, Technical Manuals, Provisioning, Training Plan and Training.