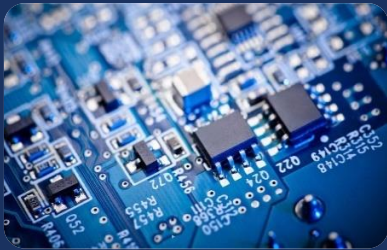




ENGINEERING & TECHNICAL SERVICES

CAPABILITIES OVERVIEW



WWW.MJLMENGINEERING.COM

4825 UNIVERSITY SQUARE – SUITE 14, HUNTSVILLE, AL 35816 | 256.890.1855 | HSVINFO@MJLM.COM

CAGE CODE: 3CT95

DUNS#: 784907206

CAPABILITIES STATEMENT



ENGINEERING & TECHNICAL SERVICES



INNOVATION. QUALITY. COMMITMENT.

ORGANIZATION BACKGROUND

Established in 2003, MJLM Engineering and Technical Services' (MJLM) customer-base consists of Government Agencies heavily supporting Redstone Arsenal (RSA) and its tenet commands. Our niche markets are: Engineering, Test Measurement Diagnostic Equipment (TMDE), Sustainment, and Logistics with an emphasis in prototype development. In support of these efforts, MJLM has built a workforce of highly-trained Engineers, Logisticians, Technicians, and Administrative professionals committed to supporting our Customers' requirements. MJLM is JCP and ISO 9001:2015 certified as well as CMMI Level III compliant. MJLM is an ITAR registered company with an accounting system that is DCAA-approved.

KEY CAPABILITIES

- System Engineering / Integration
- Lifecycle Logistics
- Prototype Development
- Field Service / FSR
- IUID / Parts Tracking
- Obsolescence Repair
- Asset Management
- Reverse Engineering
- Computer-Aided Design
- Cable Fabrication
- TMDE, Metrology, Calibration Support
- Data / Configuration Management
- Depot-level Maintenance (10/20)
- Quality Assurance
- Verification, Validation & Integration
- ATE/TPS Development SME
- Circuit Card Assembly
- Sustainment/RESET

KEY DISCRIMINATORS

- GSA Schedule Prime: GS-10F-0117U (PSS/Professional Engineering Services)
- TOP SECRET Facility Clearance Level (TS FCL)
- In-house Cable Fabrication & Circuit Card Assembly Capabilities
- Deltek™ CostPoint 7.1 Accounting System – DCAA-approved
- Subject Matter Expert (SME) - Automatic Test Equipment/Test Program Set
- Proven track record providing cost-savings to US Government at little to no risk!

CERTIFICATIONS & AWARDS

- ISO 9001:2015 Certified
- ITAR Registered
- U.S./Canada JCP (Joint Certification Program) Certified
- Capability Maturity Model Integration (CMMI) Level 3 In-Progress

KEY CUSTOMERS

- U.S. Army Aviation & Missile Command (AMCOM) – Redstone Arsenal
- Defense Logistics Agency (DLA) – Various Organizations
- Oak Ridge National Laboratory (ORNL) – Oak Ridge, TN
- Product Director Test, Measurement, & Diagnostic Equipment (PD TMDE) – Picatinny Arsenal & Redstone Arsenal
- Program Executive Office Missiles & Space (PEO M&S) – Redstone Arsenal
- AMCOM Logistics Center (ALC) – Redstone Arsenal

KEY PARTNERS

- AECOM
- Bevilacqua Research Corporation (BRC)
- CALIBRE
- CFDRS
- LogiSys
- Qualis Corporation
- QMAX
- Torch
- SAIC
- University of Alabama (UA)
- University of Alabama Huntsville (UAH)
- Warfighter Solutions (WFS)
- Yulista

NAICS Codes

- 332994
- 334418
- 334419
- 334515
- 335311
- 335931
- 336413
- 488190
- 541330
- 541380
- 541519
- 541514
- 541712
- 561210



CONTACT INFORMATION

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Director of Business Development
arhen@mjlm.com, 256.890.1855

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4825 University Square – Suite 14 / Huntsville, AL 35816
hsvinfo@mjlm.com, 256.890.1800
CAGE Code: 3CT95 / DUNS: 784907206



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INNOVATION. QUALITY. COMMITMENT.



CORPORATE OVERVIEW

CERTIFICATIONS

- ISO 9001:2015 Certified
- ITAR Registered
- U.S./Canada JCP (Joint Certification Program) Certified
- Capability Maturity Model Integration (CMMI) Level 3 In-Progress

KEY DISCRIMINATORS

- TOP SECRET Facility Clearance
- In-house Cable Fabrication & Circuit Card Assembly Capabilities
- Deltek™ CostPoint 7.1 Accounting System – DCAA-approved
- Subject Matter Expert (SME) - Automatic Test Equipment/Test Program Set
- Approved Vendor for DLA & QMAX ATE
- \$26M 3YR Revenue Average + \$1M LOC
- Proven track record providing cost-savings to US Government at little to no risk!
- CPA / Wealth Management Expertise (Corporate Office)
- Proven track record providing cost-savings to US Government at little to no risk!

MJLM CONTRACT VEHICLES

Primary

- GSA PSS (PES) – GS-10F-0117U

Subcontractor

- AMCOM Express (ESS)
- D3i – Domain 1 & 2
- OASIS – Pools 1-6
- RS3
- RPTI GEN2
- SEAPORT-e – Zones 2, 4, 6
- SETAC 10
- TS3 - ERS & KBS



CMMI Institute



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PAST PERFORMANCE

AMCOM Logistics Center – Fleet Logistics Sustainment Directorate (FLSD)

- Test Equipment Instrumentation Support Program (TEISP) Laboratory & Warehouse
- Integrated Family of Test Equipment (IFTE) – Base Shop & Electro-Optic
- Electronic Repair Shelter (ERS) / Calibration Set (CALSET)

DOE – Oak Ridge National Lab (ORNL)

- Mylar Drawing Modernization Program

Defense Logistics Agency (DLA) – Approved Vendor

- Fabrication – Cable / Wire Harness, Interconnect Devices, CCA, PCB

Missile Defense Agency (MDA)

- STTR (Phase I) – UAH

Naval Air Warfare Center (NAVAIR)

- STTR (Phase I) – UAH & UA

PD TMDE (Picatinny Arsenal, NJ)

- Next Generation Automated Test Set (NGATS)

PEO Aviation – Aviation Ground Support Equipment (AGSE)

- Flexible Engine Diagnostic System (FEDS) / Dynamometer Warning System (DWS)

PEO M&S

- Close Combat Weapons System (CCWS)
- Counter-Rocket Artillery & Mortar (C-RAM)
- Joint Attack Munitions System (JAMS) - HELLFIRE

TEAMING PARTNERS

- AECOM
- Bevilacqua Research Corporation (BRC)
- CALIBRE
- CFDR
- Cherokee Nation (CND)
- DRS Technologies
- LogiSys
- PCI Aviation / Muskogee Technology
- Qualis Corporation
- Tec-Masters, Inc. (TMI)
- Torch
- Science Applications International Corporation (SAIC)
- University of Alabama (UA)
- University of Alabama Huntsville (UAH)
- Warfighter Solutions (WFS)
- Yulista





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ENGINEERING

FUNCTIONAL AREA	MJLM CAPABILITY	PROGRAM SUPPORTED							
		ALC	PEO Aviation	DLA	DOE	MDA	NAVAIR	PD TMDE	PEO M&S
R&D PROTOTYPE DEVELOPMENT	<ul style="list-style-type: none"> Initial Concept Design Test Program Set (TPS) Development ATE Prototyping (component-level) CCA Design / Layout 	🎯	🎯			🎯	🎯		🎯
SYSTEM ENGINEERING	<ul style="list-style-type: none"> System Integration Reverse Engineering 	🎯	🎯					🎯	🎯
QUALITY ENGINEERING	<ul style="list-style-type: none"> Product Assurance Quality Assurance (ISO 9001:2015) Verification & Validation (3rd Party) Engineering Change Proposal (ECP) Value-ECP (VECP) 	🎯	🎯	🎯				🎯	🎯
TEST & EVALUATION	<ul style="list-style-type: none"> TMDE Repair Automatic Test Equipment (ATE) Test Program Set (TPS) Software Simulation (for Testing ONLY) Root-Cause & Failure Analysis Fault Isolation Metrology / Calibration 	🎯	🎯			🎯	🎯	🎯	🎯
CONFIGURATION & DATA MANAGEMENT	<ul style="list-style-type: none"> Computer-Aided Design (CAD) – 2D & 3D Technical Writing Technical Data Package (TDP) Technical Manual (TM) Interactive Electronic Technical Manual (IETM) 	🎯	🎯		🎯	🎯			🎯

Performing Engineering Services on GOV Systems since 2005



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SUSTAINMENT

FUNCTIONAL AREA	MJLM CAPABILITY	PROGRAM SUPPORTED							
		ALC	PEO Aviation	DLA	DOE	MDA	NAVAIR	PD TMDE	PEO M&S
SUPPLY CHAIN MANAGEMENT	<ul style="list-style-type: none"> Inventory Control Parts Tracking & Procurement IUID / Item Serialization Warehousing / Storage Shipping & Receiving Facility Support Services 	🎯							🎯
DEPOT-LEVEL MAINTENANCE & AVIONICS / ELECTRONICS REPAIR	<ul style="list-style-type: none"> Maintenance Work Orders (MWO) RESET / Refurbishment Component Assembly, Installation, & Test System Modifications / Upgrades Corrosion Control Program Support Class IX Item Repair Sets, Kits, and Outfits (SKO) 	🎯	🎯	🎯				🎯	🎯
OBSOLESCENCE	<ul style="list-style-type: none"> LRU / SRU CCA / PCB Legacy Assets 3D Printing Disposition 	🎯		🎯	🎯				🎯
LIGHT FABRICATION	<ul style="list-style-type: none"> Prototype Development (small-scale TMDE) Cables / Wiring Harness Interconnect Devices (ICD) CCA / PCB Design, Test, and Repair 	🎯	🎯	🎯		🎯	🎯	🎯	🎯
FIELD SERVICE	<ul style="list-style-type: none"> Liaison Officers (LNO) / Field Service Reps New Equipment Training & Fielding 	🎯	🎯						🎯

Performing Engineering Services on GOV Systems since 2003



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RESEARCH & DEVELOPMENT

■ DR. PAUL RUFFIN, PH.D. – OPTICS, PHYSICS, NANOTECHNOLOGY

PROFESSIONAL EXPERIENCE –

- Senior technical leadership and guidance in AMRDEC-WDI, R&D programs
- Developed revolutionary, state-of-the-art patents/innovations
- Improved system performance over military environments
- Reduced weapon logistic footprint in size and cost
- Enhanced missile system reliability
- Developed solutions to Warfighter advanced technologies needs in GWOT

DISCRIMINATORS –

- SME in weapons development/advanced technologies
- Alabama A&M University (AAMU) graduate in Physics
- Doctoral-degree from the University of Alabama Huntsville (UAH) in Physics
- Over thirty (30) years of experience, Commercial- and Government-sector

MAJOR ACCOMPLISHMENTS –

- Promoted to the highest Government-rank for a Civilian Research Scientist
- 1st African-American Senior Research Scientist (ST) in the US Army
- Led the US Army Applied Nanotechnology Program
- Provided scientific guidance/knowledge to Senior Leaders at DA, DoD, DARPA, DOE, Academia, & Industry



Presidential Award-winning, world-renowned Scientist and Educator



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COMMERCIAL INDUSTRY



- Global Leader in Automated Test Solutions
- Designs, develops, and manufactures a wide range of test equipment for PCB and Semi-Con Test Industry
- PCBs can be diagnosed for their fault even with schematic diagrams or TDPs – ideal for PCB repair centers
- Test Custom Built ICs (no data available, active & passive components)
- Functional Test capability to test devices in-circuit
- Customers: Samsung, Sanyo, Panasonic, LG, Motorola



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CONTACT INFORMATION

COMPANY NAME

- Name: McConnell Jones Lanier & Murphy (MJLM)
- d.b.a.: MJLM Engineering & Technical Services



ENGINEERING & TECHNICAL SERVICES



COMPANY LOCATION

- Address: 4825 University Square #14 / Huntsville, AL 35816
- Phone: 256.890.1855
- Email: hsvinfo@mjlm.com
- URL: www.mjlmengineering.com

COMPANY INFORMATION

- DUNS#: 784907206
- CAGE: 3CT95
- NAICS: 541330 (HSV Primary)





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ADDITIONAL INFORMATION

CORE COMPETENCIES



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SERVICES / CAPABILITIES

MJLM - FUNCTIONAL AREAS

ENGINEERING	R&D / Prototyping CCA Design / Layout System Integration Verification & Validation QA / ISO 9001:2015	Configuration Management Technical Writing Technical Manuals / TDPs Computer-Aided Design Reverse Engineering
TMDE	Avionics/Electronics Repair Class IX Item Repair 3D Printing Test & Evaluation ATE/TPS Development	SW Test Simulation Fault Isolation, Metrology / Calibration Circuit Card Assembly Printed Circuit Board
SUSTAINMENT	MWOs RESET / Refurbishment Component Assembly Installation T&E System MODS / Upgrades Corrosion Control	Obsolescence Engineering Obsolescence Repair Light Fabrication Cable / Wiring Harness CCA/ PCB Repair & Test Electrical Assembly Mechanical Assembly
LOGISTICS	Supply Chain Management Asset Management Inventory Control Parts Tracking IUID / Item Serialization Parts Procurement Warehousing / Storage	Field Service / FSR New Equipment Training New Equipment Fielding Disposition Kitting Facility Support Services Shipping & Receiving
WORKFORCE	Senior Technicians / SMEs Machine Tool Operators Electronic Repairers Technical Writers	Engineers (Mech. / Elect.) Logisticians CAD Drafters GOVT & Military Experience

MJLM GOVERNMENT CUSTOMERS

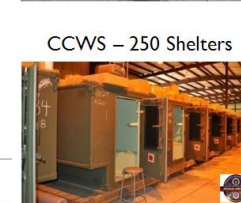


PROTOTYPE DEVELOPMENT



CORE CAPABILITIES

ENGINEERING // TMDE // SUSTAINMENT // LOGISTICS





ENGINEERING SERVICES

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CAPABILITIES

- R&D / Prototype Development
- Circuit Card Design / Layout
- System Integration
- Verification & Validation
- Quality Assurance / ISO
- Configuration Management
- Technical Writing / Documentation
 - Technical Manuals
 - Technical Data Packages
 - Computer-Aided Design
- Reverse Engineering

FEDS – Dynamometer Warning System



Hardware Scalability



Software Scalability



JAMS - LTS

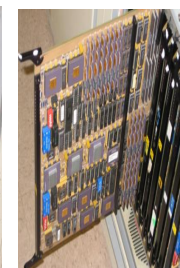


Launcher Test Station

IFTE – LV DWG Card



Digital Bucket



Card Installation



LV DWG Card

ISO 9001:2015 certified Small Business



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TMDE

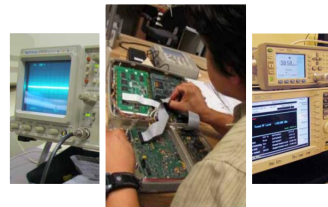
INNOVATION. QUALITY. COMMITMENT.




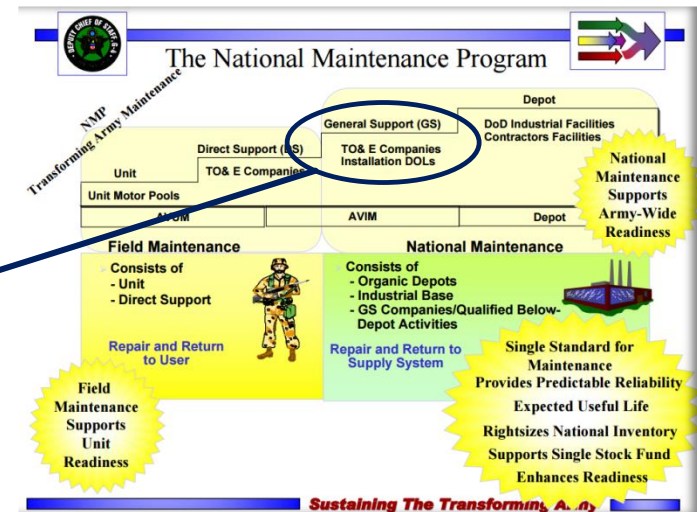
CAPABILITIES

- Avionics / Electronics Repair
 - Class IX Item Repair
 - 3D Printing
- Test & Evaluation
 - Automatic Test Equipment (ATE)
 - Test Program Set (TPS) Development
 - SW Simulation
 - Fault Isolation
 - Metrology / Calibration
- Circuit Card Assembly
- Printed Circuit Board

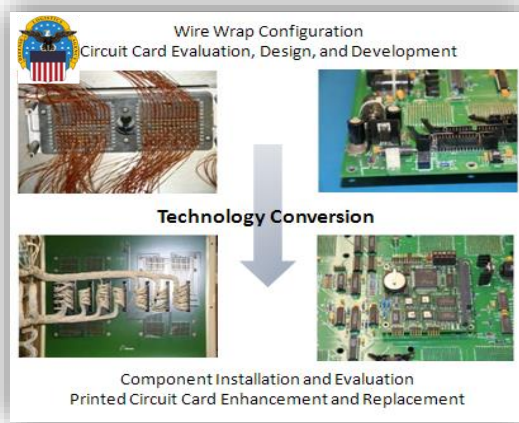
Test Equipment Instrumentation Support Program



TEISP provides
"General Support"
to NMP

- Courtesy of the US Army Deputy Chief of Staff, G4, National Maintenance Program (NMP) Maintenance Policy Division, dated 29 October 2002



DLA "Approved" Vendor



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SUSTAINMENT SERVICES



CAPABILITIES

- Maintenance Work Orders (MWO)
 - RESET / Refurbishment
 - Component Assembly, Installation, & Test
 - System Modifications / Upgrades
 - Corrosion Control Program
- Obsolescence Repair / Mitigation
- Fabrication
 - Cable / Wiring Harness Assembly
 - Circuit Assembly & Test
 - Electrical & Mechanical Assembly
- Kitting

IFTE



NGATS



IFTE – Electronic Repair Shelter (ERS)

ERS before....



ERS after MILM RESET!



NGATS – Stryker



History performing Maintenance / RESET on GOV Systems since 2005



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LOGISTICS SERVICES

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CAPABILITIES

- Supply Chain Management
 - Asset Management
 - Inventory Control / Tracking
 - IUID / Item Serialization
 - Parts Procurement
- Warehousing
 - Storage
 - Shipping & Receiving
 - Facility Support Services
- Field Service
 - New Equipment Training
- Component-level Disposition

JAMS - HELLFIRE



C-RAM



CCWS – 250 Shelters



CCWS – ISUs



ITAR-certified Small Business – FSRs supporting LBE in OCONUS



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ADDITIONAL INFORMATION

SUPPORTED PROGRAMS



PROGRAMS

INNOVATION. QUALITY. COMMITMENT.




■ ALC – Test Equipment Instrumentation Support Program (TEISP)

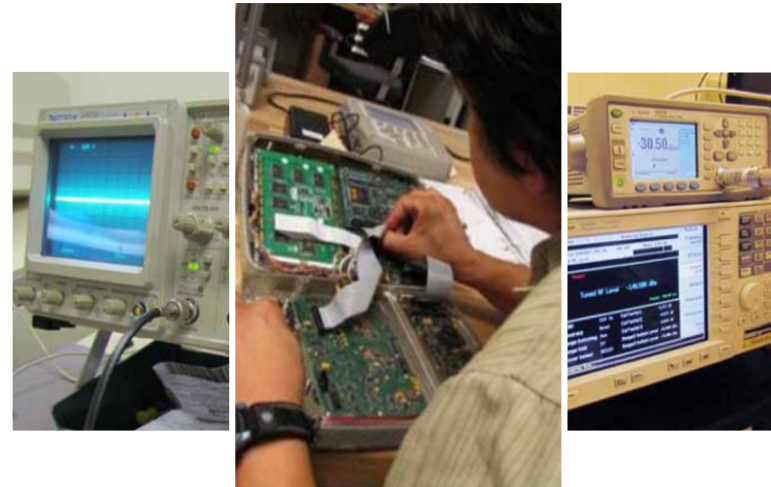
PROGRAM DESCRIPTION – TEISP is a Source of Repair (SOR) apart of the National Maintenance Program (NMP) aiding GOV organizations with test equipment maintenance needs versus procuring “new” equipment or contacting the Original Equipment Manufacturer (OEM) for maintenance.

MJLM SCOPE OF WORK – TMDE, Engineering, Sustainment

- Repair CCA, Electronic Modules, and CLASS IX Items
- Cable Fabrication and TPS Development
- Warehousing and Inventory Management
- Technical Publication Verification
- Manage TEISP Laboratory at RSA

DISCRIMINATORS –

- Global shipment of GOV assets
- Obsolescence Mitigation / Legacy-system repair
- Supports US Army, Air Force, Marines, and NG organization assets
- QMAX Automatic Tester and Pin-Point Tester 



Helped **GOV** save over **\$9M** in Sustainment/Repair Cost!



PROGRAMS

INNOVATION. QUALITY. COMMITMENT.



■ PEO Aviation – Flexible Engine Diagnostic System (FEDS)

PROGRAM DESCRIPTION –FEDS is a turbo shaft engine test stand used to test and verify flight readiness status of helicopter engines. Engine models tested are the T700, T64, T63, T55, and T53. MJLM was tasked to perform system upgrades and modifications to the A/ES7T-33 Turbo-shaft Engine Test System, also known as FEDS.

MJLM SCOPE OF WORK – Engineering & Fabrication

- Fabricated Bellmouth molds for out-of-frame testing
- Coordinate production with IPT stakeholders
- Fabricated 500+ interior and exterior cables
- Review of ECPs, NMRs, NORs, & Requests for Deviation
- Evaluate and update TDPs and TMs for accuracy
- Verify & Validate newly integrated D-FEDS system functions
- Requirements & CM analysis of existing & developed HW

DISCRIMINATORS –

- ISO 9001:2015 Certified
- MIL-SPEC Cable & High-Mix electronics board manufacturing
- Improve system reliability and maintenance processes



Developed and deployed Dynamometer Warning System (DWS) Prototype



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INNOVATION. QUALITY. COMMITMENT.

PROTOTYPE DEVELOPMENT



■ FEDS – Dynamometer Warning System (DWS)

PROGRAM DESCRIPTION – PEO Aviation selected MJLM to produce and deliver a reliability and improvement prototype for the FEDS program. FEDS is a turbo shaft engine test stand used to test and verify flight readiness status of helicopter engines. Engine models tested are the T700, T64, T63, T55, and T53.

MJLM SCOPE OF WORK – Innovation

- Explosion Proof Enclosure Upgrade Kit Prototype
- DWS Software Upgrade & Mod Kit Prototypes
- T700 Vibration System Upgrade Mod Kit Prototype
- FEDS System/EMI Study
- Rotary Position Sensor Upgrade Kit Prototype
- Electric Engine Starter Upgrade Prototype Kit
- Limit Control Panel Component
- Vibration Tracking Filter & System Upgrade
- Scavenge Pressure Transducers for the VAROC-250

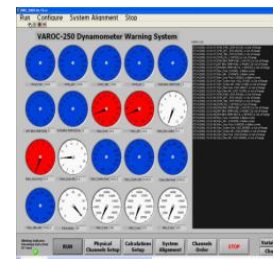
DISCRIMINATORS –

- Configurable alarm, sensor, channel points, and calculations
- Enclosure, cabling & connectors rated for outdoor-use
- MIL-SPEC Cable & High-Mix electronics board manufacturing

Hardware Scalability



Software Scalability



Reliability Improvements enabled **CCAD** to perform system alignment





PROGRAMS

INNOVATION. QUALITY. COMMITMENT.



■ DOE – Mylar Modernization

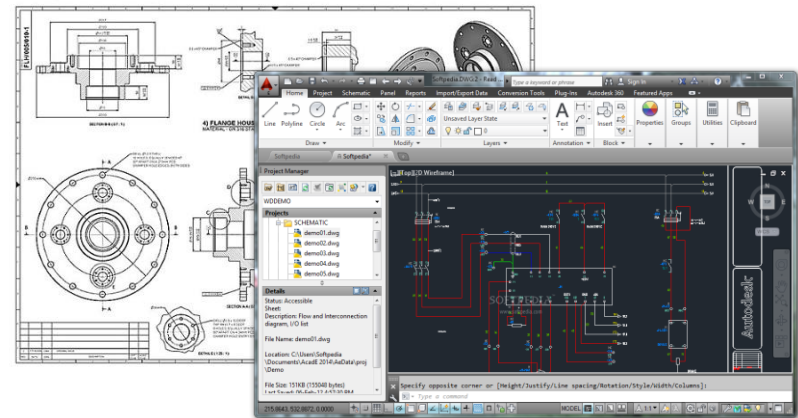
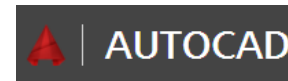
PROGRAM DESCRIPTION - Mylar is a trade name for Bopet (biaxially-oriented polyethylene terephthalate) Polyester Film. Aircraft engineering drawings were traditionally created and stored on Mylar sheets. As these drawings age and deteriorate, it becomes necessary to scan and convert them into CAD drawings in order to preserve them. Converted drawings can also be accessed and disseminated much more quickly than enormous Mylar sheets.

MJLM SCOPE OF WORK – CAD

- Drawing modifications and updates
- Technology conversions
- TDP update and development
- 3D-modeling
- Develops 3-Level Technical Data Packages (TDP)

DISCRIMINATORS –

- 2D SW Application(s): AutoCAD® and MircoStation
- 3D-Modeling SW Application(s): SolidWorks



DLA “Approved” Vendor for various US Army parts





PROGRAMS

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■ DLA – Defense Logistics Agency

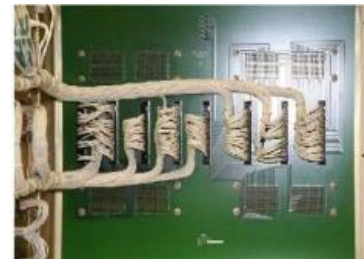
PROGRAM DESCRIPTION – For over 10 years, MJLM has fabricated components and parts for our Government customers to include the Defense Logistics Agency (DLA) Land & Maritime and other DLA organizations represented at Redstone Arsenal.

MJLM SCOPE OF WORK – Fabrication

- CCA/PCA Manufacturing
- Wire-Wrap Redesign / Technology Conversion
- Cable Processes – Heat-Shrink Tubing, Splicing, Soldering, Sealing, and Crimping
- Cable Assemblies – Strip/Cut to Length, Twisted Pair, Coaxial/ Twin Axial, Harness Assembly, Ribbon, and Multiple Assembly

DISCRIMINATORS –

- ISO 9001:2015, GOV Standards, and BBP
- GOV organizations supported – AMCOM, DLA, PEO M&S, PD TMDE
- Defense systems supported - OH-58, NGATS, IFTE, BFVS, PATRIOT, STRYKER

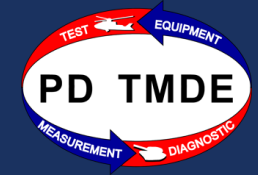


DLA “Approved” Vendor for various US Army parts



PROGRAMS

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■ PD TMDE – Next Generation Automated Test Set (NGATS)

PROGRAM DESCRIPTION – NGATS is a reconfigurable, general-purpose, mobile, deployable, Automatic Test System (ATS) designed to provide off-platform sustainment support to all Army weapon systems. The testing platform replaces the IFTE electro-optics and provides diagnostic maintenance of Current and Future Force electronic systems; standardizing the US Army's Automatic Test Equipment (ATE).

MJLM SCOPE OF WORK – Fabrication & TMDE

- Automated Test System Testing and Net-Centric support
- Engineering support services during NGATS LRIP
- System Integration support for NGATS
- Cable fabrication for STRYKER system

DISCRIMINATORS –

- Automatic Test Equipment (ATE) Subject Matter Expert (SME)
- Supports Picatinny Arsenal, NJ
- Broad SOW – 5YR POP expires in 2018
- Extremely low GOV Fee = 2-3%



Small Business Prime **\$75M** FFP Multiple-Award Task Order Contract



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PROGRAMS

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■ ALC – Integrated Family of Test Equipment (IFTE)

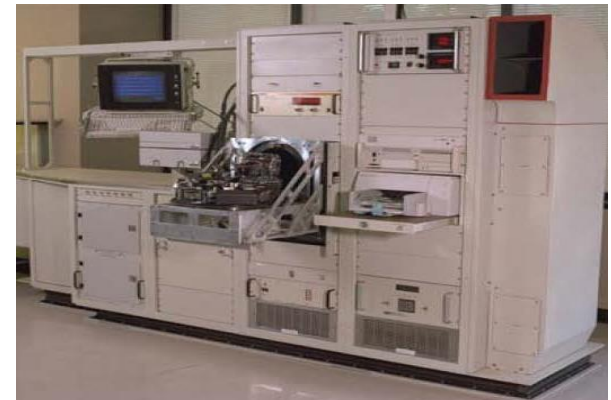
Program Description – IFTE is comprised of the BSTF, EOTF, EETF, NDTE, CEE, ERS, CALSET, and all of the associated Test Program Sets (TPS). These stations are reconfigurable to adapt to new weapons system technology with short development time frames. The use of IFTE test stations in the field reduces GOV maintenance and logistics costs.

MJLM Scope of Work – Sustainment, Engineering, Logistics

- TPS Development
- Perform fault isolation on LRUs and SRU
- SME in IFTE maintenance, logistics, testing, and quality assurance
- Reviews Technical Manuals (TM) and DMWR for accuracy
- Support the Fielding & CM of IFTE components
- Testability analysis and develop test strategies for various platforms,
- On-vehicle automatic testing and diagnostics
- Test electronic/electro-optic assemblies - BSTF, EOTF, EETF, NDTE, CEE

Discriminators –

- Prototype Development – LV DWG Card
- 24-hour Help Desk to troubleshoot and repair IFTE, TPS, LRU, SRU



Provider of **ATE/TPS Subject Matter Expertise** to GOV since 2005



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PROTOTYPE DEVELOPMENT



■ IFTE – Low Voltage, Digital Word Generator (LV DWG)

PROGRAM DESCRIPTION – The present configuration LV DWG card has a number of proprietary, component obsolescence, and supportability issues. These conditions have contributed significantly to high acquisition and supportability costs. The GOV determined the best lifecycle, cost-effective option is to develop a new LV DWG Card.

MJLM SCOPE OF WORK – Innovation

- Prototype Development
- System Engineering Redesign
- Obsolescence Mitigation
- Sustainment Support for IFTE



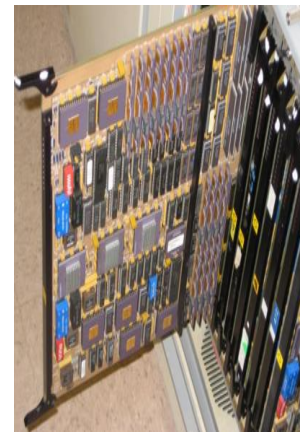
DISCRIMINATORS –

- Reduce component obsolescence
- Decrease Unit procurement and repair cost
- Increase MTBF (repair frequency)
- Improve overall lifecycle costs

Digital Bucket



Card Installation



LV DWG Card



Innovative Design significantly improves lifespan and readiness of the IFTE system.!



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PROGRAMS

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■ ALC – Electronic Repair Shelter (ERS) & Calibration Set (CALSET)

PROGRAM DESCRIPTION – The ERS and CALSET are IFTE systems used to support Maintenance Units and Area-Support Organizations from brigade to multi-theater sustainment operations. They are 100% Mobile Laboratories used to test, adjust, synchronize, repair, and verify the accuracy of 90% of the Army's TMDE workload across all measurement parameters. Instrumentation housed in fixed facilities or within tactical shelters with accompanying power generation equipment to plug into Army Enterprise and Battle Networks.

MJLM SCOPE OF WORK – RESET

- RESET to 10/20 Depot-level standard
- CALSETS Repaired: AN/GSM 705 & AN/GSM 421
- Corrosion Control and Prevention
- Pre-receipt field inventories of all systems
- Fielding Support upon final delivery of systems

DISCRIMINATORS –

- Track maintenance actions, inventory reviews, budget analysis, and compile status reports for GOV

ERS before RESET



ERS after MJLM RESET!



Supports over **450,000 TMDE items** worldwide!



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PROGRAMS

INNOVATION. QUALITY. COMMITMENT.



■ PEO M&S – Close Combat Weapons System (CCWS)

PROGRAM DESCRIPTION – The CCWS Project Office manages a range of anti-armor missile and target acquisition systems. Current programs include the Tube-launched, Optically Tracked, Wire-guided (TOW) 2, TOW 2A, TOW 2B, Javelin, Improved Target Acquisition System (ITAS) and Improved Bradley Acquisition System (IBAS).

MJLM SCOPE OF WORK – RESET & Logistics

- Inspect and Refurbish Integrated Site Unit (ISU) & Traversing Unit (TU)
- RESET/MWO Installation on BFVS 250 Shelters
- Test circuitry of 3000+ Missile Simulator Rockets (MSR)
- Develop MMTB Kitting SOP, procure parts, assemble kits, and deliver
- Track, store, and ship CCWS GFE valued at \$995M



DISCRIMINATORS –

- Services performed at 10/20 Depot-Level maintenance standards
- MMTB support PATRIOT, BFVS, TOW, and Avenger
- Implemented Value Stream Mapping (VSM) to the MMTB process
- Performed in MJLM Facility under assigned DODAAC
- Saved GOV \$500K on Azimuth Damper Obsolescence repair



Reduction in Labor Cost due to **25%** increase in MMTB Production



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PROGRAMS

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■ PEO M&S – Joint Attack Munitions System (JAMS)

Program Description – The JAMS Project Office provides an unprecedented level of service and support as the Life Cycle Manager for the Joint Warfighter’s Rocket and Missile Systems. The JAMS Project Office manages all variants of the 70-mm Hydra Rocket (formerly 2.75-inch Rocket) and the HELLFIRE Missile, as well as the JAGM, Viper Strike, Griffin, Hydra 70 Rocket Launchers, HELLFIRE Launchers, and Test Sets.

MJLM Scope of Work – Maintenance & Logistics

- Track and Inventory JAMS platforms and assets
- Update Technical Manuals (TM) and Technical Publications
- Inventory Control performed in JAMS Off-Site Warehouse Facility
- FSRs perform System Engineering , Field Maintenance, and Training

Discriminators –

- Experience with GOV systems – FLIS, FEDLOG, SAFE
- IUID created using Bartender© software application
- RESET JAMS Test Program Sets (TPS)
- Prototype Development – LTS



Direct Support to **HELLFIRE** missile system





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PROTOTYPE DEVELOPMENT



■ JAMS – Launcher Test Station (LTS)

Program Description – MJLM provides a prototype test adapter to detect the presence of an infrared signal being transmitted from the laser simulator on the HELLFIRE Launcher Test Station (LTS) for the M36 training missile test. The LTS system has been deployed to OCONUS for Warfighter review and evaluation.

MJLM Scope of Work – Innovation

- Design and produce a prototype test adapter
- Test product in MJLM Facility
- Designed product with BIT/BITE

Discriminators –

- Soldier-friendly operational design
- Cost –effective
- Operated by electric outlet or battery (9VDC)
- Stand-Alone Test Adapter
- Compact in Size (approx. medium sized flashlight)



Direct Support to **PEO M&S JAMS HELLFIRE** program



PROGRAMS

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■ PEO M&S – Counter-Rocket Artillery & Mortar (C-RAM)

Program Description – C-RAM is responsible for lifecycle management of automated Air and Missile Defense (AMD) Command and Control (C2) systems. C-RAM also manages Indirect Fire Protection Capability (IFPC) System-of-Systems (SoS) programs, to provide force protection against the Indirect Fire (IDF) threat.

MJLM Scope of Work – Logistics

- Asset Management of LBE by deployed LNOs to OCONUS
- Locate, identify, inventory, track, and process LBE for MILAIR to Units
- FSRs Support Depot supply operations
- Process, configure, and track components for RESET Units
- Field, document, and coordinate RESET equipment to CONUS Units

Discriminators –

- ITAR-certification is used to support C-RAM in OCONUS
- Track and report assets in GOV supply databases
- Direct support to the PEO M&S, Missile RESET Team at RSA



Trained in **PBUSE** and **COLTS** Government Supply / Parts Tracking Database Systems



PROGRAMS

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■ AMRDEC – Warfighter Protection Lab (WPL)

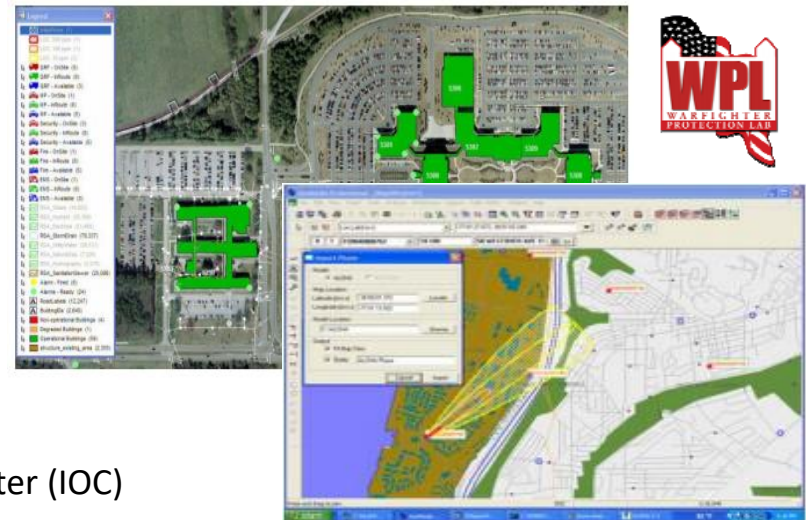
PROGRAM DESCRIPTION – WPL’s mission to increase force protection by transitioning M&S technologies historically used in Aviation and Missile development to force protection and homeland security issues. Research into the tactics, techniques and procedures is conducted by WPL during ARNORTH disaster relief deployments and the exercises. MJLM’s objective is to provide situational awareness and common operating picture assistance through a Geospatial Information System (GIS) for the WPL Disaster Assessment and Research Team (DART) vehicle.

MJLM SCOPE OF WORK – Situational Awareness

- Led the SW test procedures for Commander Suite
- Requirements Definition Analysis
- Command and Control Assessments
- Scenario Generation and Execution
- Sensor Application and Evaluation

DISCRIMINATORS –

- System-level requirements development for SW design
- Training exercise support, test, and evaluation
- Plan improvements to Garrison Incident Operations Center (IOC)



GIS Mapping support for the 5th Army during Hurricane Katrina!



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PROGRAMS

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■ SMDC – High Energy Laser Technology Demonstrator (HEL TD)

Program Description – The HEL TD is a heavy-duty, eight-wheeled, 500-horsepower, all-terrain truck that comes packing a 10-kilowatt solid-state laser system designed to blast missiles out of the sky. SMDC/ARSTRAT is responsible for the development of the HEL TD Weapons Capability. One of the greatest force protection challenges faced by the Warfighter is the effect of rocket, artillery, and mortar (RAM) attacks against people and facilities. The primary objective of the HEL TD program is to demonstrate in a relevant operational environment at the High Energy Laser Systems Test Facility (HELSTF) that a mobile solid state laser (SSL) weapon system can provide an effective lethal capability to counter RAM projectiles.

MJLM Scope of Work – Office Management & Administration

- On-site management assistance services
- Perform daily program office operations
- Interface with program Integrated Product Team (IPT) Leads
- Records, supply, and incentive award management
- Report GOV Employee time, training, and travel (DTS)
- Organize events, meetings, travel, and leave schedules
- Coordinate visit requests and classified containers
- Track credit card purchase requests for mission related efforts



Provided **Office Management Assistance** to **SMDC** Civilian & Industry Personnel