



# RUGGED

DESIGN FOR PERFORMANCE  
UNDER PRESSURE

RESEARCH + DEVELOPMENT + MANUFACTURING

50 YEARS OF

# INGENUITY & CAN-DO SPIRIT

IN THE HEART OF FORT WORTH, TEXAS

WilliamsRDM is a woman-owned, small business dedicated since 1963 to the design and manufacture of military grade automated test equipment, cable assemblies, connectors/adapters, and electronic hardware. We have decades of experience in all phases of electrical, mechanical, and software engineering—performing innovative new product development and manufacturing in Fort Worth, Texas.

We have a reputation for consistently meeting customer requirements for quality, delivery, risk, and value. WilliamsRDM is a complete turn-key operation; all manner of business—from fabrication and assembly to design and engineering—are conducted in-house.

WilliamsRDM is registered to the ISO 9001 and AS9100 quality management standards. We have received numerous recognitions from government and industry over the years for our exceptional quality and delivery, including Lockheed Martin Rotary and Mission Systems (RMS) Small Business Subcontractor of the Year in 2008 and again in 2011.

Our willingness to take on the toughest design challenges—often including development of prototypes for proof of concept—is just one of the reasons for our reputation:

***“...when others can’t...  
Williams will!”***



# OUR STORY

...WE'RE JUST GETTING WARMED UP

Our goal has always been on designing and manufacturing reliable products which will have a dramatic effect on safety, productivity, and total life cycle cost. We have been successful in primarily three different industries — Aerospace/Defense, Energy, and Fire Suppression— satisfying the needs of government, industrial, commercial, and residential customers.



## Defense

The robust design of our test equipment, cables, and connectors have been proven on the finest military aircraft from the F-111 and F-4, to the F-15, F-16, F-18, F-22, F-35, A-10, and V-22. Under the strain of war and peace, in heat and cold, dry and wet environments, WilliamsRDM products protect the warfighter, the aircraft, and the taxpayer by keeping all aspects of the supply-chain in mind, saving time on the flight-line, limiting re-supply, and ensuring mission readiness.



## Energy

Drilling and exploration operations function in similarly hostile environments as our military. Taking the same approach that we took in aerospace, resulted in a new igniter that was not only more reliable, but increased efficiency by taking 24 core samples instead of the one, and ultimately high-temperature/high-pressure connectors and igniters.



## Fire Suppression

A tragic story and observations during many trips to military bases were the inspiration for StoveTop FireStop®, automatic cooking fire suppressor\*. Millions of units protect American families from the devastation caused by unattended grease fires. The hallmarks are its ability to sense when a cooking fire has become uncontrollable and its durability to last for 6 years over the cook top.

*\*The only automatic fire suppressor to be displayed in the Ronald Reagan International Trade building.*



# OUR AREAS OF EXPERTISE

IT'S NOT BRAGGING IF YOU CAN DO IT

When customers need rugged and precise, they call on us. Many of the products we manufacture have to work in the most demanding environments on the planet. That's why from engineering to machining to fabrication, we are an ideal source for high-complexity production needs.



## **IECS Load Module**

Key components of Intelligent Energy Control System (IECS), designed for survivability at U.S. military FOB (Forward Operating Bases).



## **Research & Development**

Our engineers—problem-solvers all—comprise mechanical, electrical, and software engineers from varied backgrounds, each with a specialization and broad experience, are carefully selected and teamed to tackle virtually any design challenge in our current—and future—areas of expertise.

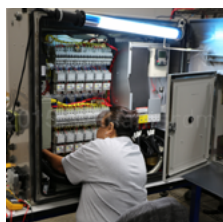
## **Fabrication**

We manufacture rugged, precisely machined products to the highest standards in our industry. Our state-of-the-art machining facilities house three-and-a-half million dollars in equipment, including 5-axis and Swiss capability machines. Off-line simulation of the manufacturing process maximizes machine utilization, increases efficiency, and speeds products from design to build. Our skilled, experienced craftsmen work to ISO 9001 and AS 9100 quality management standards to ensure greater print-to-part accuracy, lower prices, and shorter turnaround times.



## **Assembly**

Our assembly department operates in a clean environment manned by some of the most dedicated assembly workers in the business. From our SIX SIGMA processes and ISO and AS credentials to the expert oversight, checks and balances, and individual accountability and pride—each team member strives to make sure that only the best product goes out our doors.



# SCALABLE & ADAPTABLE

## DIGITAL ARMAMENT CIRCUITS TESTER (DACTS)

A visit to Hill AFB prompted development of a better, more durable hub for DACTS that didn't roll off aircraft wings, creating a procurement nightmare. This new flight line tester, called DVD or Digital Voltage Detector, comes in a rugged aluminum shell, and can be field repaired and calibrated, and is used on several different platforms. To keep the DVD (and flight-line) running, we make use of easily obtainable off-the-shelf batteries.

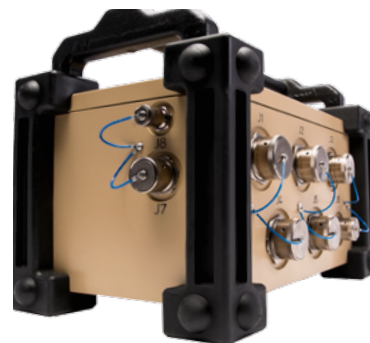


**DVD (Digital Voltage Detector)**  
"Juice Box" design replaces the antiquated "Beer Can" tester, with more capabilities

# RUGGED & MOBILE

## ARMADILLO STORES MANAGEMENT SYSTEM TESTER

Upon the success of our DVD, we turned our attention to the back shop. Customers expressed the need for back-shop capabilities on the flight-line, that could be carried by one person. Beyond the rugged exterior, all software and security measures are contained in the tester itself, and do not require an external client. This design also serves as the basis for the self test of the F-22's System Wrap Around Tester cables, and can be adapted to any platform.



**Armadillo Tester**  
Hardware and software configurable for multiple platforms and armament packages

# LOW-POWER SENSORS

## STOVETOP FIRESTOP PLUS SENSOR

The original StoveTop FireStop® has proven itself to be the most affordable automatic grease fire suppressor for over 40 years. The NEW STFS® Plus Sensor™, replaces the physical actuator with an array of low-power sensors which can last for 6 years. STFS Plus Sensor detects and suppresses fires quicker before causing much damage.



**STFS Plus Sensor**  
Uses a unique sensor array to detect cooking fire much sooner, without false alarms.



**SBA Tibbetts Award Winner** In 2011, WilliamsRDM won the U.S. Small Business Administration's Tibbetts Award for designing a smart, portable micro-grid that addresses a DOD mandate to reduce fuel consumption and fuel transportation costs at forward operating bases. The Intelligent Energy Control System (IECS), incorporated rugged, hardened source and load modules and distributed software which managed a wide range of field-deployable power sources to distribute high quality electricity on demand—saving millions of dollars, and lives.

## RECOGNITION

2017	Re-certified ISO9001:2008 & AS9100C	NSF INTERNATIONAL STRATEGIC REGISTRATIONS
2015	Gold Level Performance Excellence Award	THE BOEING COMPANY
2014	Gold Level Performance Excellence Award	THE BOEING COMPANY
2011	Tibbetts Award for Excellence in Innovation	US SMALL BUSINESS ADMINISTRATION (SBA)
	Small Business of the Year	LOCKHEED MARTIN GLOBAL TRAINING & LOGISTICS*
	Silver Vendor of the Year	HD SUPPLY
2008	Small Business of the Year	LOCKHEED MARTIN SIMULATION, TRAINING & SUPPORT*
	Best Value Gold Medalist (5 years in a row)	DEFENSE SUPPLY CENTER RICHMOND (DSCR)
2007	Texas Family Business of the Year, (Medium)	HANKAMER SCHOOL OF BUSINESS, BAYLOR UNIVERSITY
	Certified to AS9100	
2006	Mainspring Award	TEXAS MANUFACTURING ASSISTANCE CENTER
2004	Hall of Achievement	COLLEGE OF ENGINEERING, UNIVERSITY OF TEXAS AT ARLINGTON
	Administrator's Award for Excellence Nominee	US SMALL BUSINESS ADMINISTRATION (SBA)
2001	Champion Award	MODERNIZATION FORUM NATIONAL CONFERENCE
1998	Registered as ISO9001 Company	

\*currently Rotary & Mission Systems



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