

RSL Electronics is a well-experienced developer and manufacturer of Control, Diagnostics and Prognostic Systems for Aerospace, Marine and Land applications. We provide our customers with superior performance, extended flight safety and savings in fleet ownership costs. Our airborne systems are used on board a variety of commercial and military aircraft, both fixed and rotary wing.



This includes F-4, F-15, F-16, A-4, Bell-212, CH-53, AH-64, Fokker 100 and Gulf Stream IV aircraft. RSL systems are in use by many air forces worldwide such as USAF, Israeli, Dutch, Japanese, German, Singaporean, Belgian, Danish and other air forces. Equally successful recognition was earned from the US Army and the Israeli Defense Forces. Our distinguished customer base includes: Lockheed Martin, GE and more. Our focus is on advanced Diagnostics and Prognostics by using Artificial Intelligence solutions for airborne Engines, Helicopters, Aircraft major systems and Auxiliary Power Units (APU). In addition RSL also provides other products such as advanced artillery Muzzle Velocity Radar (MVR) and auxiliary weapon control systems.

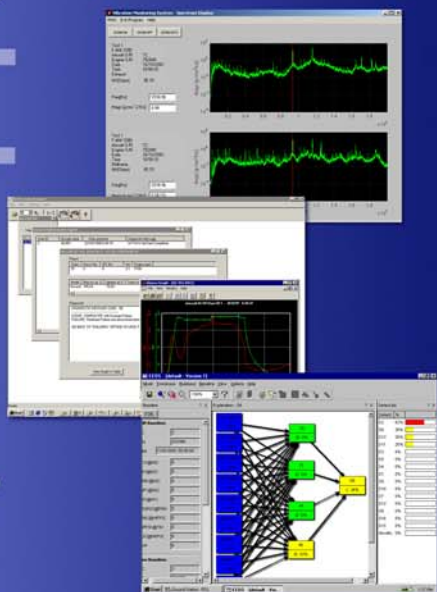
RSL is ISO 9001 certified. Our products fully adhere to all relevant commercial aviation, military, medical and industrial standards. RSL is an Israeli public company whose headquarters and main facility are located in Israel. RSL Electronics USA Incorporated is a fully owned US subsidiary that manufactures supports and markets our products.

In summary, RSL systems combine performance, quality, and safety excellence together with affordability to provide outstanding customer satisfaction.



Technologies:

- Artificial Intelligence
- Diagnostics and Prognostics
- Health and Usage Monitoring and Management for Engines and Helicopters
- Engine Control
- Braking System Control
- Generator Control
- Fuel System Control
- Environmental Unit Control
- Effective Digital Reliable Electronics
- Systems and Aircraft Integration



web: www.rsl-electronics.com

LIGHT YEARS AHEAD

T-HUMS

Total Health & Usage
Management
System
For Engines



PPRM

Power Plant
Recording
And Monitoring
System



DESSC

Diagnostic
Engine Starting
System Controller



ABC

Advanced
Brake
Controller



T-HUMS

Total Health & Usage
Management
System
For Civil Engines



EDCS

Environmental
Diagnostic
Control System



AFAMVR

Advanced Field
Artillery Muzzle
Velocity Radar
System



Operational Benefits

- Improved flight safety
- Improved mission reliability and effectiveness - fewer IFSD, ATO, D&C
- Improved fleet availability and effectiveness
- Fewer non-revenue / maintenance flights
- Lower fleet operation costs
- Improved performance
- Improved payload effectiveness
- Artificial Intelligence generated advisories
- Reduced aircrew workload
- "On The Wing" balancing
- Post mission debriefing

DGCU

Digital
Generator
Control Unit



DTCA J-79

Digital Temperature
Control Amplifier
For The GE J-79
Turbo Jet Engine



T-HUMS

Total Health & Usage
Management
System
For Engines



Maintenance Benefits

- Condition-based maintenance
- Less unnecessary maintenance
- Improved maintenance planning and reduction of spare stocking and manpower
- Artificial Intelligence based diagnostics and prognostics
- Simplified logistics for fleet deployment
- Reduced maintenance effort and cost by:
 - Maintaining as you fly
 - Repairing when damage is still minor
 - Increased aircraft MTBF
 - Decreased aircraft MTTR
- Improved cost-effectiveness of all maintenance echelons



DTCA J-85

Digital Temperature
Control Amplifier
For The GE J-85
Turbo Jet Engine



AFSC

Advanced Fuel
System Controller
For Apache
AH64-A



T-HUMS

Total Health & Usage
Management System
For Helicopters And
Tilt Rotor Aircraft

