



**ADVANCED LOGISTICS DEVELOPMENTS**  
**Reliability, Safety, Quality**



# COMPANY PROFILE



**Reliability and Safety Engineering Solutions**

**[www.aldservice.com](http://www.aldservice.com)**

**support@ald.co.il**



## COMPANY PROFILE

ALD is one of the world's largest Reliability, Safety and Quality Engineering firm. Since 1984 the company has been engaged in three main activities:

- **Reliability, Safety and Quality Professional Services**
- **RAMS, FRACAS, ILS and LCC Software Development**
- **Quality, Reliability, Safety Training**

- ALD's skilled engineering personnel have engaged in hundreds of RAMS and Quality engineering projects around the globe.
- ALD's flexible organizational structure enables response to each customer's specific needs.
- ALD provides a complete solution for all aspects of Reliability, Safety and Quality of products and processes, dealing with complicated systems at every level from the highest to the most detailed. ALDs' approach combines high professionalism, dependability and ingenuity in all tasks and projects it has been involved in since its foundation in 1984.
- ALD service and software is enrooted in various defense, aerospace, railway, telecom and energy projects ensuring Safety, Availability and Maintenance Optimization.



### **List of ALD Services**

- Reliability and Quality Program Plan
- Reliability Prediction and Analysis (MTBF, Failure Rate Predictions)
- FMEA/FMECA
- Testability Analysis
- Failure Analysis, Fault Tree Analysis
- Electrical Parts Stress Analysis
- Maintainability prediction and analysis
- Reliability demonstration test program
- Reliability centered maintenance
- Logistics support, spares optimization
- Suppliers quality management
- SPC – Statistical process control
- ELF – Accelerated life testing
- Six Sigma Process improvement
- Validation
- Quality Management, ISO certification
- Quality, Reliability, Safety Training
- Reliability, Quality, Safety Software tools
- Software QA

### **Contact us for more info :**

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# ALD Group – Fields of Expertise

## Reliability, Maintainability, Safety, ILS

### Service & Training

- Master Plans, Statements Of Work (SOW), Reliability and Maintainability (R&M) Specifications
- R&M Allocation, Prediction, Failure mode analysis (Design FMEA, FMECA, FTA)
- System Safety Assessment
- Aviation Safety
- Dispatch Reliability
- Spare Parts Initial Provisioning Recommendations
- *Maintenance Policy Optimization*
- Optimization methods
- Integrated Logistics Support ( ILS) and Life Cycle Costing
- Availability and Readiness analysis
- R&M Test and Demonstration
- Reliability Growth Test
- Inspection and Diagnostics
- Testability and BIT/BITE Analysis
- Accelerated Life Testing
- Component Engineering
- Failure Reporting, Analysis and Corrective Action ( FRACAS )

### R&M related software by ALD

**RAM Commander** – world leading Reliability, Maintainability, Safety Toolkit

**FavoWeb FRACAS** – web-based dynamic FRACAS

**DLCC** – Decision by Life Cycle Cost



## Quality Assurance

### Service & Training

- Establishing Organization's Quality Assurance Strategy
- ISO 9001:2000, AS 9100, etc
- Supplier Management and Monitoring
- Quality Assurance Requirements
- Software Quality Assurance
- Design Reviews
- Quality Audit
- Product Assurance
- Safety Management System
- Maintenance Policy Metrics
- Cost of Quality

### QA related software by ALD

**RAM Commander** – Automated Process/Design potential Failure Mode & Effects Analysis (QS-9000 FMEA) – now fully integrated in RAM Commander.

**FAVOWEB** – Web-based dynamic Failure Reporting, Analysis & Corrective Action Software with Vocal input (US patent).



## Quality Engineering

ALDs' Quality Engineering team will assist your company to reach engineering objectives, productivity and cost effectiveness using methods of lean manufacturing and statistical analysis. Our highly professional quality engineering experts provide service and training to the leading companies and wide range of industries for all process phases.

- DFM(A)
- DOE
- Rational Tolerancing for Product/Process Design
- Suppliers Management
- Process Characterization & Optimization
- Lean Manufacturing based on SPC
- Measurements Study and Inspection Optimization
- Process FMEA
- Risk Management
- Six Sigma Implementation

## ALD off-the-shelf R&M Software

**RAM Commander** - Process & Design FMEA, Risk management

**JMP, MINITAB** - Statistical Process control, ALT

**D-LCC** - Decision Making by Life Cycle Cost



# ADVANCED LOGISTICS DEVELOPMENTS

## Reliability, Safety, Quality

# Customers

ALD's hundreds of customers worldwide are a testimony for the usability and effectiveness of ALD's powerful software tools and the high level of ALD's service and training.

### Partial list of ALD's customers:



[support@ald.co.il](mailto:support@ald.co.il)



**Partial List of Customers (Continue):**

- ◆ ABB (Poland)
- ◆ Actia Automotive (France, Spain)
- ◆ Aeroconseil, AKKA (France)
- ◆ Airbus ( France, Germany)
- ◆ Airforce ( US, Israel )
- ◆ Airwell ( Israel, France, Italy )
- ◆ Analogic ( USA )
- ◆ Ansaldo STS (France)
- ◆ Alenia (Italy)
- ◆ AT&T (USA)
- ◆ ADI (Australia)
- ◆ Bank Hapoalim ( Israel )
- ◆ BAE ( USA )
- ◆ Bharat Electronics (India)
- ◆ COMAC (China)
- ◆ Deutsche Bahn ( Germany)
- ◆ DSO (Singapore)
- ◆ EADS ( France)
- ◆ EATON Aerospace (USA)
- ◆ EATON Electronics (Czech Republic)
- ◆ ELECMA (France)
- ◆ Elisra (Israel)
- ◆ El-Op (Israel)
- ◆ ELBIT Systems( Israel )
- ◆ EFW (USA)
- ◆ ELTA ( Israel)
- ◆ ERAU (USA)
- ◆ GIAT Industries (France)
- ◆ GMV (Spain)
- ◆ Hindustan Aeronautics (India)
- ◆ IAA (Israel)
- ◆ IDF (Israel)
- ◆ IKERLAN (Spain)
- ◆ IMI (Israel)
- ◆ IMTECH (Netherlands)
- ◆ Interroll (Germany)
- ◆ Intel (USA)
- ◆ IVECO (Italy)
- ◆ ISIS MPP ( France)
- ◆ Kontron (USA)
- ◆ Larsen & Toubro (India)
- ◆ Lockheed Martin (USA)
- ◆ Marini (Italy)
- ◆ MBDA ( France, Italy)
- ◆ Meggitt (Switzerland)
- ◆ Ministry of Defense ( Israel)
- ◆ Motorola (Israel)
- ◆ Nexans (Norway)
- ◆ Navy ( USA)
- ◆ NASA (USA)
- ◆ Parsons (USA)
- ◆ SAAB (Sweden & Australia)
- ◆ SAGEM Avionics (USA)
- ◆ Sukhoi (Russia)
- ◆ SELEX Comm. (Italy)
- ◆ SELEX Galileo ( Italy )
- ◆ SANDISK ( Israel)
- ◆ Philips (Israel, France)
- ◆ RAC (USA)
- ◆ Rafael (Israel)
- ◆ Rohde-Schwarz (Germany)
- ◆ Siemens (France)
- ◆ SNECMA (France)
- ◆ Sonovision (France)
- ◆ ST Electronics (Singapore)
- ◆ ST Engineering (Singapore)
- ◆ Tadiran (Israel)
- ◆ Technip (Thailand)
- ◆ Technosky (India)
- ◆ THALES ( UK, Canada, India, Australia, Austria, Spain, France, USA, China)
- ◆ Zodiac Aerospace (France, USA)