CAPABILITIES

INDAL Technologies combines a high level of engineering and manufacturing capability with expertise in the management of large and complex defense programs to produce unmatched solutions to the world's navies. Acquired by Curtiss-Wright in March 2005, INDAL now operates as a business unit within the EMS Division.

Since incorporation in 1951, INDAL Technologies has developed its engineering design and manufacturing capabilities and today is heavily involved in systems integration and testing. This blend of engineering design and manufacturing has enabled INDAL to become a world leader in the design and development of shipborne helicopter & undersea warfare handling systems and ship aviation support systems for international navies.

Products designed, produced, and supported meet the many industry and end-user standards in equipment specification, manufacturing practices, quality assurance procedures, program management and control systems.

CURTISS-WRIGHT

INDAL Technologies

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905.275.5300

cw-ems.com/indal

Curtiss-Wright EMS Division

PRODUCTS

Helicopter Securing & Traversing Systems

- ASIST: Aircraft Ship Integrated Securing & Traversing System
- RAST: Recovery Asist Securing & Traversing System
- TC-ASIST: Twin Claw Aircraft Integrated Securing & Traversing System
- MAST: Manual Aircraft Securing & Traversing System
- MANTIS Aircraft Tug
- MANTIS ELP Aircraft Tug
- Lightweight Tracks

Undersea Sensor Handling Systems

- Variable Depth Sonar Handling System
- Towed Array Handling System

Ship Aviation Support Systems

- Horizon Reference & Pilot Cues
- Helicopter Tie-Down Fittings

INDAL CAPABILITIES

RESOURCES

- Approximately 200 employees
  - INDAL employs a staff of professional engineers specializing in hydraulics, hydrodynamics, hydroacoustics, electrics, electro-optics, electronics, mechanical design, reliability, maintainability, safety, software and systems engineering to enhance the company's product offerings and to accommodate customer requests for custom design in equipment integration. Trained technicians proficient in a variety of related fields and state-of-the-art computer-aided engineering systems support these professionals.
- 200,000 ft^2 facility
  - 70,000 ft^2 office
  - 130,000 ft^2 manufacturing
- 15 cranes ranging in capacity from 2 to 10 tons
- Environmentally controlled rooms for hydraulic and electrical assembly and functional testing

CAPABILITIES

- Extensive use of CAD, computer simulation, solid modeling and manufacturing resource planning (MRP) aid in developing and producing high-quality, custom products efficiently and economically
  - Computer-Aided Design (CAD), Computer-Aided Engineering (CAE), Computer-Aided Manufacturing (CAM) using Pro Engineer
  - Fully Integrated Oracle Enterprise System
  - C/SCSC Program Management
  - ILS Systems including SLIC
  - Technical Publishing including Interleaf, Adobe
  - Software Development Systems
  - Engineering Data Management System including Pro Intralin
  - Engineering Modeling and Simulation Systems for towed body characteristics and ship/helo interface
- Metal Fabrication/Cutting/Forming
  - WaterJet, Plasma, 100-ton Press
- Integrated Test Facilities
  - ESS (Environmental Stress Screening) and acceptance training
- Machining & Paint
  - Vertical & Horizontal Mills
  - Paint booths (2)
- Mechanical & Hydraulic Assembly

QUALIFICATIONS

- Canadian Standards Association
- Canadian Welding Bureau Qualification
  - W47.1 - Steel Welding
  - W47.2 - Aluminum Welding
- Electrical Assembly and Wiring Work
  - IPC-A-610 Specification
  - IEEE STD-45 Requirements
- High-Reliability Soldering
  - ANSI/J-STE001B
- Electrical Wiring
  - ANSI/ESD-S-20.20
- ISO 9001:2015 Registered Quality System
- MIL-B-7783 (Brazing)
- QQ-B-645 (Silver Solder)