Esterline

Korry Electronics Company
Esterline Control & Communication Systems
11910 Beverly Park Road
Everett, Washington   98204-3529 USA

Tel: (425) 297-9700
Fax: (425) 297-9876
www.esterline.com
NYSE Symbol: ESL
Self Audit Quality Survey Information

LEGAL COMPANY NAME: KORRY ELECTRONICS COMPANY

Fax: (425) 297-9871 (Quality)
E-mail: korry.sales@esterline.com
Website: http://www.esterline.com/controlsystems/Korry/KorryHome.aspx
Commercial and Government Entity (CAGE) Code: 81590
Facility: One building consisting of 216,000 square feet suitable for manufacture and repair of all Korry products. Within the building the approximate square footage usage is: 125,300 manufacturing area, 59,000 administration area, 31,700 common areas (lunchroom, restrooms, etc.) with quick conversion flexibility when needed.
The U.S. Green Building Council LEED Certified the Design and Construction in June 2010.
Years at this location: since October 2009.

BUSINESS INFORMATION / CLASSIFICATION

Subsidiary of Esterline Technologies Corporate Headquarters 500 108th Avenue NE, Suite 1500, Bellevue, WA 98004 United States www.esterline.com
Data Universal Numbering System (DUNS) Dun and Bradstreet number: 60-590-3293 (Esterline).
North American Industry Classification System (NAICS) Code: 334419 [replaced U.S. Standard Industrial Classification (SIC) code 3679].
Korry is in U.S Government System for Award Management (SAM) [combined CCR, Fedreg, ORCA, and EPLS].
In 1989 Korry was incorporated under the laws of the state of Delaware, USA and does business under the laws of the state of Washington, USA.
Korry is located in the second congressional district of Washington state.
Korry federal tax identification number is 91-1458098.
Korry is classified as a **Large** corporation.
Years in business: since 1937.

Product and Service Range:

Korry is a Designer, Manufacturer, and Repair Station of Electro-Optical, Control and Display Systems and Components for the Aerospace and Defense Markets.
Military: 50%   Commercial: 50%

Number of Employees (all numbers are approximate): 675   Shifts: 2

Engineering: 120	Sales: 10
Production: 200	Customer Service: 10
Quality: 45	Administrative: 100 (HR, Finance, IT, Contracts, etc.)
DMIR/DSI: 4	Other: 50 (Facilities, Material Services, etc.)
Final Inspection: 75	Employee turnovers: Average is less than 10% per year.

KEY CONTACTS

President: Michael McCoy (email: Mike.McCoy@esterline.com)
Vice President of Operations (interim): Christopher O'Claire (email: Chris.OClaire@esterline.com)
Accountable Manager: Danny Loevenich (email: Danny.Loevenich@esterline.com)
Director of Quality: Jack Lee (email: Jack.Lee@esterline.com) reports to President.
Contracts & Customer Service Manager: Cheri Austin (email Cheri.Austin@esterline.com)
Director of Sales: Jerry Jordan (email: Jerry.Jordan@esterline.com)
Product Support Manager: Francine Jeffries (email: Francine.Jeffries@esterline.com)
Facility Manager: Wayne Wayland (email: Wayne.Wayland@esterline.com)
Environmental, Health and Safety Manager: Betsy Jordan (email: Betsy.Jordan@esterline.com)
Trade Compliance Manager: Erik Thomsen (email: Erik.Thomsen@esterline.com)

Esterline Control & Communication Systems is a marketing name for Korry Electronics Co., a wholly owned subsidiary of Esterline Technologies Corporation.
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NOTICE: This document only contains business process information. It does not contain technical data as defined in 15 CFR 772 or 22 CFR 120.10. This document is not subject to U.S. export controls under the EAR or the ITAR.

QUALITY SYSTEM

Korry Electronics is an ISO 9001 certified company. The Korry quality system meets the requirements of: ISO 9001:2008 and AS9100C, FAA FAR Part 145, EASA Part 145, FAR Part 21 FAA-PMA and TSO.

ISO 9001:2008 and AS9100C (technically equivalent to EN 9100:2009 and JISQ 9100:2009)
Certificate number: 08571-2004-AQ-HOU-ANAB
Valid: 18 October 2015 to 15 September 2018   Initial certification date: 04 April 1997
ISO registrar: DNV GL Business Assurance USA, Inc.

FAA CFAR Part 21 Production Approval Holder (PAH) Parts Manufacturer Approval (PMA) number: PQ0134NM.
FAA CFAR Part 21 Technical Standard Order Authorization (TSOA) approval number: PT0134NM.
FAA CFAR Part 145 Air Agency Certificate Number: KE7R393J.
EASA Part 145 Certificate Number: EASA.145.4618.
Korry is a manufacturer with its Repair Station within the Korry facility for Korry product only.
FAA FSDO approval of Antidrug and Alcohol Misuse Prevention Program is in the Operations Specification A449.
Korry has a FAA FSDO approved Operations Specifications document.

The Electronic Component Management Plan (ECMP) is certified by the International Electrotechnical Commission Quality (IECQ) Assessment System.
Certificate number: IECQ-E DNVUS 10.0006
Valid until: 11 April 2019   Initial certification date: 12 April 2010
IECQ registrar: Det Norske Veritas (DNV).

Korry is in compliance with the requirements of the AS9115:2010 Software Standard for Aviation, Space and Defense Organizations – Deliverable Software; that is a supplement to AS9100C.

Korry's electrostatic discharge (ESD) control program is compliant to ANSI 20.20 and MIL-STD-1686.

Korry meets the intent of AS9103 and uses real time statistical process control (SPC) for variation reduction and continuous improvement of manufacturing and assembly processes.

Quality assurance (QA) documentation e-mail: korry.sales@esterline.com
Corrective actions email: korry.ca@esterline.com

Korry's International Aerospace Quality Group (IAQG) Online Aerospace Supplier Information System (OASIS) Identification Number (OIN) is 6113381283.
Korry Quality Manual is document number 46902 in the Quality Management System (QMS).

Korry's packaging meets these requirements:
Airline Transportation Association (ATA) Specification 300 Category III shipping packaging for one trip.
American Society for Testing and Materials (ASTM) D3951-98 Standard Practice for Commercial Packaging.

Korry's Calibration process is compliant to AS 9100, ISO 9001, ANSI/NCSLI Z540-1, and ISO 17025.

Korry's Counterfeit material management plan is compliant with AS5553.

Korry workmanship complies with J-STD-001 class 3.
Korry inspection complies with IPC-610 class 3.
Korry sampling inspection complies with ANSI Z1.4 (c=0, AQL=6.5 unless tighter spec from ATP). Deliverables get 100% inspected, components get sample inspections.

Note – This quality survey information is online at: http://www.esterline.com/controlsystems/Korry/Quality.aspx

ENVIRONMENTAL AND SAFETY

Korry Electronics environmental policy is accessible at http://www.esterline.com/controlsystems/Korry/Quality.aspx Korry has an internal safety webpage for employees to access.

Korry Electronics has an environmental, safety and health management system that is consistent with local, state, and federal regulations. Employees receive both environmental and safety training. All workplace injuries and incidents are recorded. Environmental and safety and health procedures are documented and maintained on Korry's internal safety and environmental website. Korry is not seeking ISO 14000 or OHSAS 18001 certification at this time.

Korry Electronics has a written business continuity and disaster preparedness plan.

The products of Korry Electronics – Esterline Control & Communication Systems are in compliance with EU Directive 1907/2006 on the Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH).

Korry Electronics – Esterline Control & Communication Systems currently manufactures products that are considered Monitoring and Control Equipment under the Restriction of Hazardous Substances (RoHS) Directive issued by the European Union in 2003. As a result, they are currently exempt from the requirements of the directive.

PROCESS CAPABILITIES

Subcontracted Processes: Plating (metallic finishes), heat treatment, surface-mount soldering, brazing, welding, screw machining, CNC machining, painting, reflective and anti-reflective coating, anti-scratch coating, molding, optical lamination, and silkscreen overlays.

In-house Processes: CNC milling, CNC screw machine, injection molding, punch press, laser machining, laser welding, painting, resistance spot welding, ultrasonic welding, laser etch, hand soldering, soldering inspection, conformal coating, PWA cleaning and cleanliness testing, legend casting, thin film lamination, AMLCD ruggedization, and a fully equipped tool room.

Korry Test Engineering and Optical Equipment	
7 Thermal Chambers	**2 Tensile/Compression Machines**
1 Thermotron FM-10-CH-5-5	1 Instron 3366
1 Thermotron HPS-35	1 Instron 4201
3 Thermotron HPS-16	
1 Thermotron F-CHV	**3 EMI chambers**
1 Evirotronics EV70-02	1 16 x 16 x 11 ft., per the requirements of RTCA DO-160 A-F & MIL-STD-461 A-F
	1 12 x16 x 11 ft. control and isolation room
1 Temp/Alt/Humidity Chamber	1 10 x 12 x 11 ft. for immunity testing only (voltage spike, ESD, lightning, etc.)
Tenney 15 STR	
2 Humidity Chambers	**Optical Test Equipment**
1 CSZ ZH-16-2-2-H/AC	Photo Research Pritchard 1980A Luminance spot meters
1 ESPEC EPX-4H	Photo Research PR704 Spectroradiometer
	Photo Research PR705 Spectroradiometer
3 HALT Chambers	Photo Research PR650 Spectroradiometer
2 Real 36	Minolta LS-110 Portable Luminance Meter
1 Qualmark OVS-2	Instrument Systems ISS 320 Spectroradiometer
	Instrument Systems ISS DTS-140 Spectroradiometer
2 Vibe Systems	Perkin Elmer 950 Spectrophotometer
1 LDS V830-335	Agilent Cary 5000 Spectrophotometer
1 UD MA117-560/TC208	Minolta CS200 Luminance and Color Meter
1 Salt Fog Chamber	
1 Singleton 20	

EBUSINESS POLICY

"Korry Electronics will participate with stakeholders in *e*Business according to the Aerospace Industries Association's (AIA) standardization framework. Korry will adhere to AIA standards for all forms of *e*Business, including shopping cart business interactions. Where the AIA framework will not meet needs, Korry will determine its position on a case-by-case basis, until the AIA framework is operational. The *e*Change Control Board will determine if *e*Requests are in the best financial interest of Korry."

FINANCIAL INFORMATION

Korry is a wholly owned subsidiary of Esterline Technologies a worldwide aerospace technology company headquartered in Bellevue, Washington, USA. Esterline has annual sales of approximately $2 billion and is listed on the New York Stock Exchange under the trading symbol ESL. Financial information is available online at http://www.esterline.com/InvestorRelations/AnnualReports.aspx

MAJOR CUSTOMERS – LISTED IN ALPHABETICAL ORDER

Airbus, all major airlines, Aviall (distributor), Avio-Diepen (distributor), BAE Systems, Bell Textron, Boeing, Bombardier, CAE, Celestica (distributor), Cessna, Embraer, Fatair (distributor), General Dynamics, General Electric Aviation, Gulfstream, Honeywell, Lockheed Martin, LSI – Luminescent Systems Inc. (distributor), Northrop Grumman, Raytheon, Rockwell Collins, Sikorsky, Triman Industries (distributor), the U.S. and allied Governments.

PROCUREMENT POLICY

Only those delegated with Procurement authority within Korry can make commitments to suppliers on Korry's behalf. These commitments are made through a Purchase Order, Subcontract or Authorization to Proceed from the appropriate Korry Buyer. Work performed without this authorization or beyond the authorized scope or funding is at the Supplier's risk and Korry is not liable for payment.

CONFLICT MINERALS

See the Esterline webpage http://www.esterline.com/CorporateGovernance/CorporateGovernance.aspx for conflict mineral information. For conflict mineral requests contact ConflictMinerals@esterline.com.

WORKING CONDITIONS AND HUMAN RIGHTS

See the Esterline webpage http://www.esterline.com/CorporateGovernance/CorporateGovernance.aspx for working conditions and human rights information.

TRADE COMPLIANCE

In an environment of increasing trade complexity, it is Esterline's goal to meet the business needs of the company while maintaining full compliance with all applicable laws and regulations that protect and support the national security, foreign policy and commerce of the United States and other countries in which Esterline operates.