

Design Services Partner Profile



Liewenthal Electronics Ltd. Company Overview

Date : 12/15/2017

www.liewenthal.ee

Partner Details

Partner Tier: Select Certified
Headquarters Location: Parnu mnt 139a, Tallinn, Estonia
Xilinx Alliance Partner Since: 12/12/2001

Key Contact Info

Jaan Liivand
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Regions Served

North America East, Western Europe

Supported Product Types

Yes	Design Services	Yes	Embedded Products
No	IP	No	EDA Tools
Yes	Boards		

Engineering Service Types

Yes	General Purpose Services	Preferred
Yes	Services in Support of Products Sold	
Yes	Services Leading to Contract Manufacturing	
	Maximum Service Scope: Turnkey / full product design	

Engagement Models Supported

Yes	SOW-Based Fixed Bid Projects	
Yes	Time and Materials	Preferred
At my location	Captive Resources at Partner or Customer Premises	

Xilinx Design Tool Experience

Yes	Vivado	No	SDSoC
No	HLx	No	SDAccel

Industry Certifications Achieved

ISO 13485, ISO 9001

Industry Certification Services Offered

CE, FCC, UL

Government Clearances

Design Services Partner Profile



Liewenthal Electronics Ltd. Segment and Application Focus

Primary Focus	<u>Defense/Aerospace</u>	<ul style="list-style-type: none"> No Focus No Focus No Focus Primary Focus No Focus No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Homeland Security Electronic Warfare ISR Space Missiles & Munitions Military Avionics Commercial Avionics SatComm Wireless Milcom Other A&D
No Focus	<u>Audio, Video, Broadcast</u>	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Encoders & Decoders Monitors & Projection Networking & Converters Audio Systems Video Processing Cards Video Conferencing Routers and Switches Pro Cameras & Camcorders Other Broadcast
No Focus	<u>Automotive & Transport</u>	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Driver Assist - Camera Driver Assist Radar/LIDAR Driver Info/Infotainment Automated Driving Other Automotive
Primary Focus	<u>Consumer</u>	<ul style="list-style-type: none"> Secondary Focus No Focus No Focus Primary Focus 	<ul style="list-style-type: none"> Digital Display Drones Multifunction Printers Other Consumer
No Focus	<u>Datacenter</u>	<ul style="list-style-type: none"> No Focus No Focus No Focus 	<ul style="list-style-type: none"> Storage Compute Networking
Primary Focus	<u>Industrial, Medical</u>	<ul style="list-style-type: none"> Primary Focus Secondary Focus No Focus No Focus No Focus No Focus Primary Focus 	<ul style="list-style-type: none"> Motor Control Industrial Networking Surveillance Machine Vision Medical Imaging Medical / Clinical Other ISM

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Liewenthal Electronics Ltd. Segment and Application Focus (continued)

Primary Focus	Test & Measurement	Primary Focus Primary Focus Secondary Focus Primary Focus Primary Focus Secondary Focus	Simulation / Emulation T & M Instrumentation Semiconductor Test Wired Communication Test Wireless Communications Test Other Test & Measurement
Primary Focus	Wired Comms & Networks	No Focus No Focus No Focus No Focus No Focus No Focus Primary Focus Primary Focus	Access Equipment Long Haul/Transport Wired Mobile Backhaul OTN Enterprise Equipment Ethernet Interlaken Connectivity Packet Processing Other Wired Communications
Primary Focus	Wireless Comms & Networks	Secondary Focus Secondary Focus Primary Focus Primary Focus Primary Focus	Baseband Wireless Backhaul Connectivity & Switching Radio Other Wireless

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Design Competencies

System Architecture	Primary Focus	
RF and Analog Design	Secondary Focus	
FPGA Design and Integration	Primary Focus	Xilinx XC series CPLDs, Spartan/Artix/Kintex/Virtex/Zynq series FPGAs
FPGA Timing Closure	Primary Focus	
FPGA Design Optimization	Primary Focus	
Signal Integrity Design and Analysis	Secondary Focus	
	Inhouse or Subcontracted: Both	
	Typical Serial Speed:	
PCB Design & Layout	Primary Focus	Analogue, high speed digital, wired/wireless/optical communications, battery powered equipment, power supplies
	Inhouse or Subcontracted: Inhouse	
Industrial and Mechanical Design	Secondary Focus	
	Inhouse or Subcontracted: Both	
Industry Certification and Compliance Testing	Secondary Focus	
	Inhouse or Subcontracted: Subcontracted	
Quality and Reliability Testing	Primary Focus	
	Inhouse or Subcontracted: Both	
Contract Manufacturing	Secondary Focus	
	Inhouse or Subcontracted: Subcontracted	
	Max Quantities Supported: 100s	
Digital Signal Processing	No Focus	
Experience:		
Embedded Processors	Primary Focus	ARM 7/9/11/Cortex-A/Cortex-M, x86, PowerPC, NXP LPC, ST STM32, Silabs EFM32, Atmel SAM, Atmel AVR/AVR32, TI MSP430, Renesas RX/V850, Intel 8052, Freescale HC08, Microchip PIC
	Experience:	
Embedded Porting / BSP Extension	Primary Focus	Linux, Android, Windows 95/NT/98/2000/ME/XP/Vista/7/8/10, iOS, Windows CE/Mobile, FreeRTOS, eCos
	OS and RTOS Design Experience:	Android, FreeRTOS, Linux, Other / Contact Partner, Ubuntu Linux, VxWorks,

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eCOS

Embedded Application Development

Primary Focus

Embedded software, Windows/Linux drivers, client applications, hardware testing & manufacturing support software

Image Sensor Fusion

No Focus

Homo or Heterogeneous:
Sensor Types Design Experience:

Computer Vision

No Focus

Machine Learning

No Focus

Framework Experience:
Network Model Experience:
