

Design Services Partner Profile



OA Laboratory Company Overview

Date : 03/01/2022

<http://www.oalab.co.jp/>

Partner Details

Partner Tier: Premier
Headquarters Location: 2-15-41 Dai,Kamakura-city,,Japan
Xilinx Alliance Partner Since: 11/14/2008

Key Contact Info

Satoshi Yamanoi
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Regions Served

Supported Product Types	Yes	Design Services	No	Embedded Products
	No	IP	No	EDA Tools
	No	Boards		

Engineering Service Types	Yes	General Purpose Services	Preferred
	No	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	Preferred
	Yes	Time and Materials	
	Both	Captive Resources at Partner or Customer Premises	

Xilinx Design Tool Experience	Yes	Vivado	No	SDSoC
	Yes	HLx	No	SDAccel

Industry Certifications Achieved ISO 9001

Industry Certification Services Offered Other / Contact Partner

Government Clearances N/A

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OA Laboratory Segment and Application Focus

Secondary Focus	Defense/Aerospace	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus No Focus No Focus No Focus No Focus Secondary 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
Primary Focus	Audio, Video, Broadcast	<ul style="list-style-type: none"> No Focus No Focus Primary Focus No Focus No Focus No Focus Primary Focus No Focus Primary 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	Automotive & Transport	<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
No Focus	Consumer	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Digital Display Drones Multifunction Printers Other Consumer
Secondary Focus	Datacenter	<ul style="list-style-type: none"> Secondary Focus No Focus Primary Focus 	<ul style="list-style-type: none"> Storage Compute Networking
No Focus	Industrial, Medical	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Motor Control Industrial Networking Surveillance Machine Vision Medical Imaging Medical / Clinical Other ISM

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OA Laboratory Segment and Application Focus (continued)

No Focus	Test & Measurement	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Simulation / Emulation T & M Instrumentation Semiconductor Test Wired Communication Test Wireless Communications Test Other Test & Measurement
Primary Focus	Wired Comms & Networks	<ul style="list-style-type: none"> No Focus No Focus Secondary Focus Secondary Focus No Focus Primary Focus Primary Focus Primary Focus 	<ul style="list-style-type: none"> Access Equipment Long Haul/Transport Wired Mobile Backhaul OTN Enterprise Equipment Ethernet Interlaken Connectivity Packet Processing Other Wired Communications
Secondary Focus	Wireless Comms & Networks	<ul style="list-style-type: none"> Secondary Focus Secondary Focus Primary Focus No Focus Secondary Focus 	<ul style="list-style-type: none"> Baseband Wireless Backhaul Connectivity & Switching Radio Other Wireless

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Design Competencies

System Architecture	Secondary Focus	
RF and Analog Design	Secondary Focus	We are focusing Local 5G development with partner company.
FPGA Design and Integration	Primary Focus	
FPGA Timing Closure	Primary Focus	
FPGA Design Optimization	Primary Focus	
Signal Integrity Design and Analysis	No Focus	
	Inhouse or Subcontracted:	
	Typical Serial Speed:	0
PCB Design & Layout	No Focus	
	Inhouse or Subcontracted:	
Industrial and Mechanical Design	No Focus	
	Inhouse or Subcontracted:	
Industry Certification and Compliance Testing	Secondary Focus	We have Gigabit Ethernet Compliance testing environment.
	Inhouse or Subcontracted:	Inhouse
Quality and Reliability Testing	Secondary Focus	
	Inhouse or Subcontracted:	Inhouse
Contract Manufacturing	Primary Focus	
	Inhouse or Subcontracted:	Inhouse
	Max Quantities Supported:	10,000+
Digital Signal Processing	Secondary Focus	
	Experience:	FFT, IFFT
Embedded Processors	Secondary Focus	PetaLinux, other embedded linux OS experience.
	Experience:	Zynq ARM processing
Embedded Porting / BSP Extension	Secondary Focus	

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OS and RTOS Design Experience: FreeRTOS, Linux, ThreadX, iTRON

**Embedded Application
Development**

No Focus

Image Sensor Fusion

Homo or Heterogeneous:

Sensor Types Design Experience:

Computer Vision

Machine Learning

Framework Experience:

Network Model Experience:
