

Design Services Partner Profile



Abaco Systems Company Overview

Date : 11/28/2017

www.abaco.com

Partner Details

Partner Tier: Member
Headquarters Location: 800 Redstone Parkway, Huntsville, AL, USA
Xilinx Alliance Partner Since: 1/17/2008

Key Contact Info

Nastacia Chapman
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Regions Served

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

Engineering Service Types	Yes	General Purpose Services	
	Yes	Services in Support of Products Sold	Preferred
	No	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	
	None	Captive Resources at Partner or Customer Premises	

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

Industry Certifications Achieved AS 9100, ISO 9001

Industry Certification Services Offered

Government Clearances n/a

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Abaco Systems Segment and Application Focus

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

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Abaco Systems Segment and Application Focus (continued)

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

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Design Competencies

System Architecture	Primary Focus	System design and integration from benchtop development systems to rugged deployed solutions.
RF and Analog Design	Primary Focus	Our extensive Analog FMC portfolio coupled with our IP core development and Board Support Packages provide adaptable solutions to a range of analog design challenges.
FPGA Design and Integration	Primary Focus	Each of our COTS FPGA boards have a Board Support Package (BSP). Our BSP gives you complete control, flexibility and power to develop solutions for the most demanding DSP applications.
FPGA Timing Closure	Secondary Focus	
FPGA Design Optimization	Secondary Focus	
Signal Integrity Design and Analysis	Primary Focus	
	Inhouse or Subcontracted:	Inhouse
	Typical Serial Speed:	10
PCB Design & Layout	Primary Focus	
	Inhouse or Subcontracted:	Inhouse
Industrial and Mechanical Design	Secondary Focus	Extensive ruggedization and thermal management experience.
	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	Primary Focus	
	Inhouse or Subcontracted:	Subcontracted
	Max Quantities Supported:	1000s
Digital Signal Processing	Primary Focus	Core Expertise
	Experience:	Various
Embedded Processors	Secondary Focus	
	Experience:	Zynq
Embedded Porting / BSP Extension	Primary Focus	Core Expertise
	OS and RTOS Design Experience:	Linux, VxWorks, Windows Embedded
Embedded Application	Primary Focus	

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Development

Image Sensor Fusion

Homo or Heterogeneous:

Sensor Types Design Experience:

Computer Vision

Machine Learning

Framework Experience:

Network Model Experience:
