

Design Services Partner Profile



Coal Creek Technologies LLC Company Overview

Date : 03/02/2019

www.coalcreektech.com

Partner Details

Partner Tier: Member
Headquarters Location: 1280 Stockton Dr,Erie,CO,USA
Xilinx Alliance Partner Since: 9/4/2018

Key Contact Info

Dave Williams
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Regions Served

North America West

Supported Product Types

Yes	Design Services	No	Embedded Products
No	IP	No	EDA Tools
Yes	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: Board level design

Engagement Models Supported

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

Xilinx Design Tool Experience

Yes	Vivado	No	SDSoC
No	HLx	No	SDAccel

Industry Certifications Achieved

Industry Certification Services Offered

Government Clearances

Design Services Partner Profile

Coal Creek Technologies LLC Segment and Application Focus

Secondary Focus	Defense/Aerospace	<ul style="list-style-type: none"> No Focus No Focus No Focus Primary Focus No Focus No Focus No Focus Secondary 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
Secondary Focus	Audio, Video, Broadcast	<ul style="list-style-type: none"> Secondary Focus Secondary Focus No Focus Secondary Focus Secondary 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
Secondary Focus	Automotive & Transport	<ul style="list-style-type: none"> Secondary Focus No Focus No Focus No Focus Secondary 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 No Focus 	<ul style="list-style-type: none"> Storage Compute Networking
Primary 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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Coal Creek Technologies LLC Segment and Application Focus (continued)

Secondary Focus	Test & Measurement	<ul style="list-style-type: none"> No Focus Primary Focus Primary 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
No Focus	Wired Comms & Networks	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus No Focus No Focus No 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
No Focus	Wireless Comms & Networks	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No 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	
FPGA Design and Integration	Primary Focus	Verilog and SystemVerilog for FPGA verification
FPGA Timing Closure	Primary Focus	SDC timing constraints
FPGA Design Optimization	Secondary Focus	
Signal Integrity Design and Analysis	Secondary Focus	
	Inhouse or Subcontracted:	Inhouse
	Typical Serial Speed:	
PCB Design & Layout	Primary Focus	PADS
	Inhouse or Subcontracted:	Inhouse
Industrial and Mechanical Design	Secondary Focus	
	Inhouse or Subcontracted:	Subcontracted
Industry Certification and Compliance Testing	Secondary Focus	
	Inhouse or Subcontracted:	Both
Quality and Reliability Testing	Secondary Focus	
	Inhouse or Subcontracted:	Subcontracted
Contract Manufacturing	Secondary Focus	
	Inhouse or Subcontracted:	Subcontracted
	Max Quantities Supported:	100s
Digital Signal Processing	Secondary Focus	
	Experience:	
Embedded Processors	Primary Focus	
	Experience:	MicroBlaze
Embedded Porting /	Secondary Focus	



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BSP Extension

OS and RTOS Design Experience:

Embedded Application

Secondary
Focus

Development

Image Sensor Fusion

Homo or Heterogeneous:

Sensor Types Design Experience:

Computer Vision

Machine Learning

Framework Experience:

Network Model Experience:
