

# Design Services Partner Profile



## Coal Creek Technologies LLC Company Overview

Date : 03/02/2019

[www.coalcreektech.com](http://www.coalcreektech.com)

### Partner Details

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

### Key Contact Info

Dave Williams  
[dave.williams@coalcreektech.com](mailto:dave.williams@coalcreektech.com)

### 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

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## Coal Creek Technologies LLC Segment and Application Focus

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

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## Coal Creek Technologies LLC Segment and Application Focus (continued)

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

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## Design Competencies

<b>System Architecture</b>	Secondary Focus	
<b>RF and Analog Design</b>	Secondary Focus	
<b>FPGA Design and Integration</b>	Primary Focus	Verilog and SystemVerilog for FPGA verification
<b>FPGA Timing Closure</b>	Primary Focus	SDC timing constraints
<b>FPGA Design Optimization</b>	Secondary Focus	
<b>Signal Integrity Design and Analysis</b>	Secondary Focus	
	Inhouse or Subcontracted: Inhouse	
	Typical Serial Speed:	
<b>PCB Design &amp; Layout</b>	Primary Focus	PADS
	Inhouse or Subcontracted: Inhouse	
<b>Industrial and Mechanical Design</b>	Secondary Focus	
	Inhouse or Subcontracted: Subcontracted	
<b>Industry Certification and Compliance Testing</b>	Secondary Focus	
	Inhouse or Subcontracted: Both	
<b>Quality and Reliability Testing</b>	Secondary Focus	
	Inhouse or Subcontracted: Subcontracted	
<b>Contract Manufacturing</b>	Secondary Focus	
	Inhouse or Subcontracted: Subcontracted	
	Max Quantities Supported: 100s	
<b>Digital Signal Processing</b>	Secondary Focus	
	<b>Experience:</b>	
<b>Embedded Processors</b>	Primary Focus	
	<b>Experience:</b> MicroBlaze	
<b>Embedded Porting /</b>	Secondary Focus	

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## BSP Extension

OS and RTOS Design Experience:

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## Embedded Application

Secondary  
Focus

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## Development

### Image Sensor Fusion

Homo or Heterogeneous:

Sensor Types Design Experience:

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## Computer Vision

## Machine Learning

Framework Experience:

Network Model Experience:

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