Excellence by Design

Design • Production • Training • Advice • Support

FPGAs • SoCs • Boards • Software • Systems

Aggressive Schedules • Rock-Solid Service and Quality • High Performance

World-Class Engineering Services Partner
ABOUT BLT

Founded by a pioneer in the FPGA/SoC industry, we are a U.S.-owned and operated engineering design services firm with a world-class reputation.

Relied on by commercial, industrial, government, and DoD/IC Clients, BLT has broad expertise with leading-edge technologies and a 30-year track record of high-quality, on-time results.

Remote Training Centers

Morristown, NJ  
Sterling, VA  
Feasterville-Trevose, PA

XILINX® CERTIFIED ALLIANCE PARTNER

- 320-point on-site audit of technical, business, quality and support processes
- Rigorous certification testing, including demonstrated expertise with the latest Xilinx® devices, tools and implementation techniques
- Xilinx® Business and Technical Sponsorship

BLT’S ENGINEERS PASS THE SAME RIGOROUS TRAINING USED BY XILINX® FIELD APPLICATION ENGINEERS WORLDWIDE
ENGINEERING DESIGN SERVICES

We offer a full range of hardware and embedded design services, including FPGAs, SoCs, PCB/CCAs, complete systems and production.

- HDL Design
- High-speed Digital Design
- PCB Layout
- Analog Design
- C, HLS, MatLab Design
- Design for SWAPC
- AI
- SoCs, RFSoC and MPSoC
- Signal and Power Integrity
- RF Design
- Anti-Tamper
- Signal Processing
- Partial Reconfiguration
- Isolated Design Flow (SCC)
- Versal™, Vitis™ and Vivado™

PROCESS-DRIVEN

PREDICTABLE RESULTS
ON TIME
ON BUDGET

XILINX® AUTHORIZED TRAINING PROVIDER

- Global online training and regional in-person training
- Exclusive in-person Training Region: NY, Eastern PA, NJ, DE, MD, DC, VA, WV and KY
- Over a decade of training and thousands of engineers trained
- Train over 1000 student days per year
- FPGA/SoC, Language, Tool, Architecture, Connectivity and DSP

Training Services
- Special events
- Boot camps
- 50+ courses
- Management training
- Public and private (on-site/off-site) classes
- Follow-on Coaching
FPGAS, SOCS AND ACAPS
END-USER CUSTOMIZABLE CIRCUITRY AND PROCESSORS

- Communications Systems
- Software Defined Radio
- Single Chip Cryptography (NSA Type-1)
- Signal Processing (RF/Video/Audio)

- Embedded Processing
- Supercomputing
- Reconfigurable computing
- Hi Rel/Rad Hard Applications

UP TO 1000 TIMES FASTER THAN SOFTWARE SOLUTIONS

Rely on our expert engineers—or we can train yours

- Shave weeks off each FPGA/SoC development schedule.
- Harness the full power of devices and tools and implement with a single command.
- Unlock the full potential of FPGAs/SoCs and achieve breakthrough performance.

Reduce your costs

- Designs that run faster and use fewer silicon resources can use slower, smaller and less expensive devices.
- Avoid common mistakes and protracted schedules using BLT’s time-proven methodologies.

Up for a challenge? We’re hiring!

- Full-time Hardware and Software Engineers
- Must be a U.S. citizen and thrive being essential in a variety of technical challenges
- Contact HR@bltinc.com

“BLT training cut our design time by months. Sending our engineers to BLT training is now part of our design cycle.”

“BLT took the time to understand things up front... They asked the right questions, understood the answers and delivered quality results.”

“I was impressed with BLT’s transparency, integrity and vested interest in my success. They were very collaborative.”

“BLT has the experience and processes to avoid things that can trip you up. When they give you a schedule, they’re going to be able to meet it.”

888-XILINX-1
bltinc.com