DO-254. DO-178B/C. DOne.

What We DO. For the DO-254 or DO-178B/C applicant struggling with knowledge, resource, process or efficiency gaps in their compliance efforts, Logicircuit offers a skilled team of professionals that can help. Unlike some other service companies who overcharge and under-deliver or those that offshore their work to cut costs (and often quality), Logicircuit's experienced team of knowledgeable, high-integrity specialists provides a cost-effective support system for efficient DO-254 or DO-178B/C compliance. Whether it is for a turnkey program or just support for compliance services where needed (such as independent verification, process assurance or documentation), companies who partner with Logicircuit reduce risk, cost and time-to-market for their compliance-based projects by focusing their efforts on what they do best – designing good products – while leaving the tedious aspects of DO-254 and DO-178B/C compliance to the capable "DO" professionals at Logicircuit.

Have a DO-254 gap?

a) knowledge
b) resource
c) efficiency
d) verification
e) independence

Let us fill it!

Working with the Best!

It's what we DO. It takes an ecosystem of tool vendors, certification authorities, and silicon providers to enable excellent and compliant airborne electronics. We carefully choose our partners to ensure they are high-integrity companies who are as dedicated to the safety-critical market as we are. Our chosen partners include Xilinx, Inc. (silicon and embedded systems development), Mentor Graphics® (electronic design tools), LDRA Technology, Inc. (software tools), Qualtech Consulting (process management tools and certification services), and Patmos Engineering Services (certification services).

Made in the USA.

Reducing cost doesn't mean you have to sacrifice quality, communications, or security. The DO-focused team at Logicircuit has compliance efficiency down to a science. "DO"-related work is our primary focus and we do it very cost-effectively! As a bonus, for this security-conscious market, we perform all work on U.S. soil at our Alpharetta, GA headquarters. This offers our customers peace of mind, at surprisingly low rates. What more could you ask for?

LOGICIRCUIT
www.logicircuit.com

Offering a Comprehensive Catalog of AEH Soft IP

Certifiable Hardware IP? Really?

The use of soft IP in commercial electronics development has become mainstream practice due to the cost and time savings it offers designers. However, using this IP in airborne electronic hardware (AEH), which is subject to DO-254 compliance, has been problematic (if not impossible)...until now. Proprietary concerns about the source code and development environment typically prevent soft IP from being accepted in custom development for airborne electronics. Logicircuit removes these barriers by working with IP developers to create special certifiable versions of their IP, and providing this (along with a full DAL A set of development and SOI audit artifacts) to customers seeking to gain IP efficiencies in DO-254 compliant design programs. Logicircuit has teamed with Xilinx, Inc. (and several Xilinx IP partners) to provide an extensive and growing catalog of IP to facilitate the design and compliance of embedded systems employing Xilinx All Programmable SoC platforms.
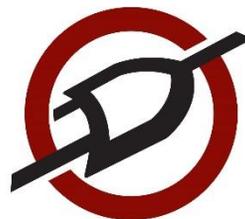
MICROBLAZE...and More.

At Logicircuit, we recognize that embedded systems are more than just embedded processors. This is why we provide not only a certifiable version of the long-proven Xilinx MicroBlaze™ soft processor, but also the necessary key peripherals to build a system, including a full suite of AXI IP, plus CAN, ARINC 429, ARINC 818, MIL-STD-1553, UART, I2C, CORDIC SIN/COS/ ATAN, AFDX® (coming soon!) and much more. Don't see what you need on our website? Contact us. Our growing list of IP comes from requests by customers like you.

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www.logicircuit.com