

# Design Services

## SERVICES

Veritable provides a wide range of verification and test services:

### Verification

- Formal verification
- IP/SOC verification
- Test-bench development
- Regression test environments
- Code coverage analysis
- Behavioral model creation

### Test

- IP/SOC test
- Scan DFT
- Boundary scan (JTAG)
- DFT rule audits
- ATPG
- Memory BIST
- Logic BIST
- Fault simulation

## Setting the standard for verification and test services

Veritable is dedicated to setting the industry standard for excellence in verification and test services. Veritable's design services group leverages its focused expertise, technical leadership, and project management skills, all backed by innovative technologies, to help you reach your critical time-to-market goals. Our unique combination of verification and test methodologies and software tools enables you to increase your verification and test development efficiency and so shorten your design cycles. You increase productivity through Veritable's detailed tool knowledge, and test and design verification expertise, so helping to ensure that your design is delivered, to specification, on schedule.

## Solve your toughest SOC verification and test problems

Veritable's design services consultants are constantly finding ways to solve your toughest system-on-a-chip (SOC) verification and test problems. We offer expertise on a broad range of system chip verification and test tools and methodologies and unrivaled project management experience.

## Leverage proven methodologies and processes

Veritable's consultants offer deep and focused expertise to help you define and implement optimized design verification and test environments and to support your engineering teams in developing complete system chip flows. Veritable's consultants work along side your design engineers to deliver complete solutions. You reduce your design risk while increasing your ability to deliver fully functional products on schedule.

## Shorten the design productivity gap

Veritable's design services consultants accelerate the adoption of new verification and test methodologies and tools. You gain the ability to introduce new design verification and test practices rapidly - so leveraging the latest advances to reduce the gap between system design and silicon. And at the end of the project, your engineering team will have increased their expertise and experience so allowing them to meet future test and verification challenges with increased knowledge and confidence.



Veritable Inc.

800 W. El Camino Real, Suite 180  
Mountain View, CA 94040

Tel: 650-943-2398 ■ Fax: 650-969-5914

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

# Design Services

*“Veritable’s design services consultants played a critical role in developing our verification strategy and environment for a complex 500MHz seven stage pipe-lined CPU. Veritable’s design verification consultants demonstrated the high level of expertise and commitment required to successfully deliver a full featured biased random instruction stream generation software system and verification environment, based on a jointly developed specification, to an extremely aggressive schedule. In fact, within a few days of deployment, the verification system Veritable developed detected two previously undetected bugs in a design that had already taped out.”*

– Yukio Sakaguchi, Senior Vice President, Arcadia Design Systems, Inc.

## Optimize your development costs

Veritable offers a range of service models: on-site, off-site, off-shore or a combination so that you always have the most cost-optimized, effective and efficient model that meets your current project needs.

### Recent successful projects include:

- Formal validation of CPU & FPU cores
- Verification environment development for HDTV chip
- Development of automatic instruction stream generation for 500MHz CPU core
- Instruction set simulator development
- System chip test methodology development
- IEEE 1149.1 (JTAG) validation
- ATPG for 4M gate ASIC

## Stay ahead of the competition

Veritable’s design services provides the focused expertise, project management skills and software tool deployment knowledge that extends your design team’s skills and lets you establish higher productivity design environments to propel your design teams into the future. You achieve increased effectiveness and higher productivity standards for your complex system chip designs.

Veritable’s verification and test services keeps you ahead of your competition by allowing you to:

- Reduce time-to-market
- Increase return-on-investment
- Rapidly shorten the design productivity gap
- Increase your design team’s productivity
- Reduce time spent on verification and test challenges
- Focus on your core differentiators
- Increase your knowledge of advanced methodologies
- Design verified systems that work the first time



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