Fast, low-risk modernization of safety critical systems

Modernization for:

ADA TO C++ | **ADA TO JAVA** | **JOVIAL TO C++**

Why modernize with TSRI?

ENHANCE SYSTEM INSIGHT

Rapidly get a handle on the structure, composition, form, and function of complex systems so you get the insight to evolve systems rapidly, accurately, and confidently with automated documentation.

REDUCE TECHNICAL DEBT

Automated and semi-automated refactoring quickly consolidates and eliminates redundant, unnecessary, and unused code to cut technical debt that can build up over years of change.

MODERNIZE AT SCALE

The more you use our *JANUS Studio®* for transformation and refactoring, the better it works. Its rules are both standard and highly customizable and completely reusable across multiple systems or modules.

ELIMINATE ONGOING LICENSE FEES

Eliminate unwanted costs of recurring runtime, compiler, or other license fees. We offer modernization to Java or C++ on a project basis.

ACHIEVE CRITICAL QUALITY STANDARDS

Our *JANUS Studio®* addresses requirements for conversion of aerospace, automotive, navigation, and other safety critical systems, producing modernized code that meets DO-178C, DO-278B, MISRA, ISO 26262, and other quality standards.

CONTROL YOUR JOURNEY

Customer engineering teams can operate *JANUS Studio®* within their own environments, enabling greater control over modernization programs.

TSRI automates 99.9% of software modernization

- ✓ **Dramatically lower the costs** of software operations and maintenance

- ✓ **Leverage capabilities** of modern integrated development environments

- ✓ **Realize power savings and performance** of ARM and Xilinx processors

- ✓ **Target modern hardware** to reduce footprint and improve performance

- ✓ **Accelerate innovation** cycles for faster time to value

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TSRI SOFTWARE MODERNIZATION ASSURED

TSRI.COM

Decades-long track record of success modernizing defense and aerospace applications

✓ AN/FPS-108 Cobra Dane Radar Installation

✓ Naval Undersea Warfare Center Weapons Control System

✓ Boeing AvoinX Geospatial Environmental Mapping Software (GEMS)

✓ Milstar Satellite Communications System

✓ P-3C Orion Aircraft Acoustic Signal Processor System

✓ Korean Air Force F-16 Active Electronically Scanned Array Radar (AESA) and Digital Radar Warning Receiver (RWR)

Modernize with confidence

TRANSFORM 80% FASTER
Automated modernization with TSRI typically takes less than 20%
of the time required to manually recode.

REDUCE COST
Reduce labor costs, error rates, and fault isolation effort to a fraction of manual recoding with automated conversion.

MITIGATE RISK
TSRI's proprietary *JANUS Studio*® enables application security testing using the latest tools and security frameworks.

TSRI dramatically lowers the risk, cost, and time to accurately transform legacy safety-critical software applications into modern languages and architectures.

Accelerate your modernization journey.
Find out more at **tsri.com.**

TSRI SOFTWARE MODERNIZATION ASSURED

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