Products

System Resilience Manager
The Reliable Platform Services (RPS) middleware provides proven fault tolerance in complex systems. RPS is compliant with the FACE architecture.

Distributed Health Monitoring Service
The Omni Health Monitor detects faults in distributed systems via the network and triggers autonomous corrective actions or alerts in real-time.

Model-Based Engineering Tools
The EDICT® Tool Suite is a versatile MBSE tool that supports modeling and analysis with open standards to enable integration into existing tool chains.

Architecture Analysis for Legacy Code
The Code Architecture Analysis tool automatically generates models from existing code for analysis and to readily apply MBSE to legacy systems.

Big Data Analysis
The Big Data Architecture Analysis tool automatically generates models from big data sets for analysis and to support MBSE with existing information.

Contact Us

Dr. Chris Walter
President
410-418-4353
cwalter@wwtechnology.com

Dr. Richard LeBoeuf, MBA, PMP
Product Development
254-485-7809
rleboeuf@wwtechnology.com

WW Technology Group
Ellicott City, Maryland
410-928-7888
www.wwtechnology.com
linkedin.com/company/ww-technology-group-inc

About the WW Technology Group
The WW Technology Group has provided services and tools for mission critical systems, including new and long-life platforms for over 25 years. Our methodology and tools provide enhanced security, safety, dependability and performance to critical system areas for cost-effective sustainment and upgrade processes and increased efficiency of system certification. The upgraded Virginia-class submarine ship control system benefits from the ultra-dependability of our leading-edge fault-tolerant architecture. It will also be part of the new Columbia-class X-by-wire architecture.
Consulting

Software Engineering and Analysis
- Software Design and Development
- Algorithm Development
- Code Analysis
- Security Analysis
- Safety Analysis
- Dependability Analysis

Systems Engineering
- Requirements Engineering
- Architecture Design
- Decision Analysis
- Verification and Validation
- Certification
- Project Planning
- Risk Management
- Interface Management

Research

The WW Technology Group is very active in advanced research with the U.S. Small Business Innovation Research (SBIR) program focusing on fault-tolerant systems and model-based systems engineering.

Our research includes:
- Phase II – Cost Effective Mixed Criticality Systems (Completes Q3-21)
- Phase II – AFMC/AFRL: Model Based Systems Engineering Big Data Analytics (Completes Q4-21)
- Phase II – NAVSEA: Fault Tolerant Decentralized Mission Processing (Completes Q1-20)
- Phase II.5 – NAVSEA: High Confidence Software and Automation in Submarine Systems (Completed Q1-21)

Markets
- Embedded real-time control systems
- Adaptive distributed systems
- Autonomous systems
- Sensor webs
- Internet of Things (IoT)
- Avionics and combat systems
- Process improvement and affordability
- System upgrades and sustainment
- Command and control systems
- Telecommunications
- Medical devices
- Distributed computing platforms

Customers
- NAVSEA
- NAVAIR
- AFRL
- ARL
- DARPA
- NASA
- JPL
- SRI International
- BAE Systems
- Boeing
- Honeywell
- Northrup Grumman
- L3 Systems
- Lockheed Martin
- Bison Aerospace

Research and Innovation
- Concept Development
- Feasibility Studies
- Innovation Management
- Program Management
- Project Management

Independent Verification and Validation
- Systems
- Subsystems
- Software

Reliable Platform Architecture
- Design
- Core Algorithms

Modular Open System Approach

Future Airborne Capability Environment

RP 2020 Implementation
- FACE/MOSA compliant
- Multicore
- Hybrid Processing
- Adaptive Computing
- Support for Target Implementations
- Digital Thread