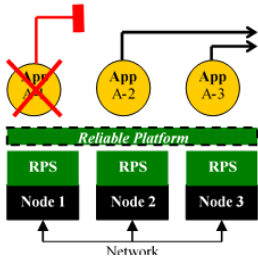## Products

System Resilience Manager

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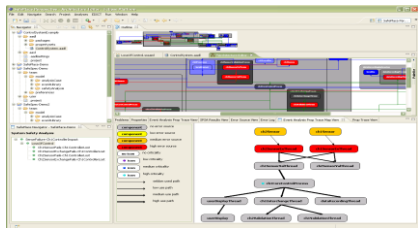

Distributed Health Monitoring Service

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

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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.
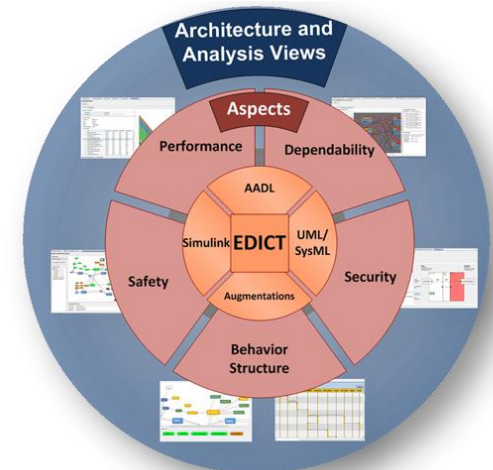
The upgraded Virginia-class submarine ship control system benefits from the ultra-dependability of our leading-edge fault-tolerant architecture. It will also be part of the new Columbia-class X-by-wire architecture.

WW Technology Group

The Dependability Solution Provider TM

Resilient Systems
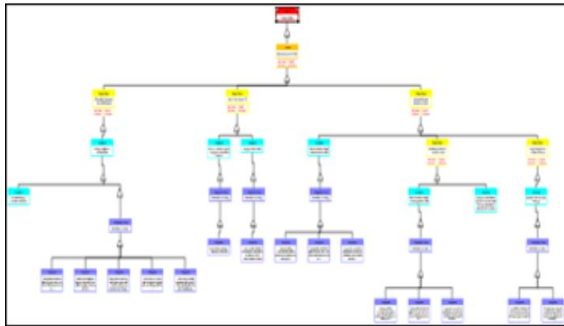# &
Model-Based Engineering

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 and Innovation

- ✓ Concept Development
- ✓ Feasibility Studies
- ✓ Innovation Management
- ✓ Program Management
- ✓ Project Management

Independent Verification and Validation

- ✓ Systems
- ✓ Subsystems
- ✓ Software

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 – NAVAIR: 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