

nCode **ReliaSoft** **Omnicon**

A powerhouse of capabilities for your energy projects

HBM Prenscia Solutions comprises data analysts and reliability, safety, electrical, software and systems engineers in addition to project managers that integrate seamlessly with your staff. We leverage software including **nCode** and **ReliaSoft** suites and **Omnicon** services to offer assistance in the design, development, test, commercialization and management of new and existing products, and improvement in operational performance.

Our analysis methods enable us to collaborate with our customers to catch potentially dangerous design elements or usage scenarios which lower failure rates, leading to longer times between service, improved company reputation, and market share gains. Experience in the energy and power arena makes us a valued partner with lasting partnerships, as evidenced by our 96% repeat customer base.



Reliability analyses

- Reliability modeling and predictive analytics
- Probabilistic risk assessment
- Parts stress, derating and asset use analyses
- Worst case analysis
- FMEA, RCM, RBI, FRACAS and durability
- Failure/root cause analysis and reporting

Test and design analyses

- Testability analysis
- Built-in-test, design and strategy analysis
- Test plans and procedures
- Sneak circuit analysis
- Gap analysis

Design and development

- Full product life cycle development
- Accelerated testing (laboratory/proving grounds)
- Software engineering
- Hardware engineering
- Program management

Safety Analyses

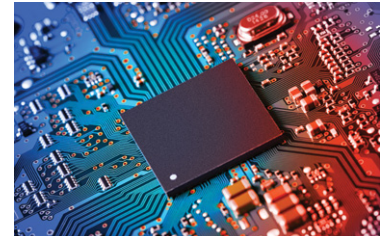
- System safety analysis
- Functional and software hazard analysis
- Hardware failure modes and effects analysis
- Software failure modes and effects analysis
- Fault tree analysis

Solving technical challenges within an aggressive schedule

Our engineers apply expert knowledge and experience to complex safety, operational, and revenue-critical challenges that require innovative thinking and creative solutions, within an aggressive schedule.

Design innovation

System, software, electronic hardware and specialized test equipment



Product assurance

Reliability, durability, safety, verification, testing, validation, maintainability and testability



Predictive analytics and modelling

Analysis of asset usage, reliability and durability modelling and predicting operational performance



Program execution

Project management, program leadership, mitigation and risk identification

Product development

Complete product design, development and manufacturing

About HBM Prencia Solutions

HBM Prencia Solutions ensures customer success through value-driven solutions for product development and operational monitoring. We are a multi-disciplinary team who has expertise in failure analysis; predictive analytics and modeling for reliability, durability, and deterioration; asset health and usage monitoring; development and testing of embedded software and electronics to deliver robust solutions to our global clients. Our team of engineers, analysts, software developers, data scientists, and program managers, many holding United States Government security clearance, are readily available to provide technical expertise and deliver value-driven solutions.