

Reliability experts: Making good products better

HBM Prenscia offers Omnicon's engineering services in structured product analyses that make good designs better. Stress analysis, failure modes and effects analysis and other types of analyses are design review techniques that examine product designs from different perspectives to discover what can possibly go wrong. These analyses also help determine how potential problems can be prevented.

Even the most experienced equipment designers cannot objectively assess their own products. An unbiased technical assessment of a product's reliability and safety is essential for development and product success.

Reliability problems can permanently damage your product's reputation and your company's image. With objectives and independent analyses, your products can be made safer and more dependable in the least expensive way, avoiding loss of market share.

Reliability, maintainability and safety engineering

Our accomplishments and accolades in reliability, maintainability and safety have made us an industry leader in improving hardware, software and systems designs. Companies rely on Omnicon's engineering to improve the quality of products.

Reliability analyses

- Reliability modeling and predictions
- Probabilistic risk assessment
- Parts stress, derating and application analysis
- Worst case analysis

Test and design analyses

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

Maintainability analyses

- Maintainability prediction
- Maintenance analysis
- MSG-3 analysis centered maintenance
- Integrated logistics support

Safety analyses

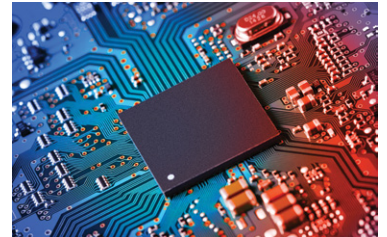
- System safety analysis
- Functional and software hazard analysis
- Fault Tree Analysis
- Hardware Failure Modes and Effects Analysis
- Software Failure Modes and Effects Analysis
- Bent pin and shorted/open wire analysis
- Root Cause Analysis

Solving technical challenges within an aggressive schedule

Our engineers apply expert knowledge and experience to complex safety, mission and revenue-critical challenges that require innovative thinking and creative solutions, within an aggressive schedule. We strive to form lasting partnerships, as evidenced by our 96% repeat customer base.

Design innovation

System, software, electronic hardware and specialized test equipment



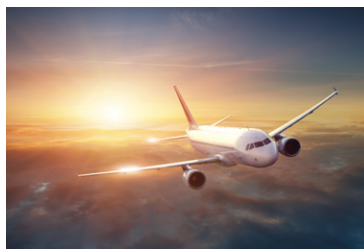
Product assurance

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



Program execution

Project management, program leadership, mitigation and risk identification



Product development

Complete product design, development and manufacturing

About Omnicon

For over three decades Omnicon has combined its knowledge and industry experience to provide our customers unique solutions to their technical challenges. Our team, comprised of award-winning engineers and program leaders, has the technical background along with the leadership skills necessary to get your program completed on time and on budget. Our ultimate goal is to ensure that our customers' products are reliable and safe. Additionally, Omnicon offers comprehensive systems, hardware and software development as well as program management that results in deploying your product to market quickly with minimal risk. Top industry leaders throughout the world repeatedly turn to Omnicon as a vital component in developing their customized engineering solutions.



© 2017 HBM Prencia Inc. All Rights Reserved. Omnicon is located at 50 Engineers Road, Hauppauge, NY 11788