

Applying skill to every part of the software life cycle

Unreliable software can be a nuisance in some systems, but catastrophic in others. Any system depending on software can have risks associated with safety, reliability or revenue. HBM Prenscia relies on Omnicon's expertise in applying reliability and safety engineering principles to develop software of the highest caliber.

Safety critical software requires a detailed and rigorous process to best assure that the final product is correct and as reliable as possible. Our process is based on stringent guidelines of widely accepted software development documents addressing the entire life cycle process for software intended for the most critical or vital applications.

Critical software development

Safety-critical systems are essential for detecting and mitigating abnormal hazards. Examples include x-ray control software, fire detection systems and train signaling systems.

Mission-critical systems are essential to executing and completing a major objective. Examples include propulsion systems, defibrillators and power grid control systems.

Revenue-critical systems are essential for maintaining a normal flow of money. Examples include transaction processing software, production line test equipment and satellite communication systems.



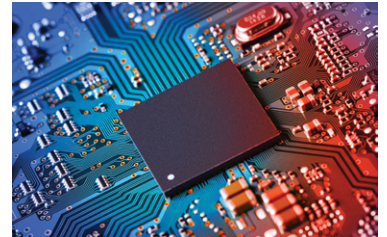
- System analysis
- Specification development
- System design (architecture, timing, size)
- Top level design (systems, units, components)
- Detailed design (object oriented, algorithms)
- DO-178B/C solutions
- Embedded code development
- Integration, test and debug
- Verification and validation
- Documentation

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.



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