



ENSURING PRODUCT QUALITY THROUGH EFFICIENT PROCESSES

During new product development, many organizations start designing without a clear definition of their requirements, leading to many redesigns and significant delays. Yet when requirements are clearly defined early, the product can be tested to ensure that the new design meets these requirements, reducing the need for costly redesign cycles.

Product Realization Group's team has deep expertise and years of experience in designing products and bringing them successfully to market. We partner with your company to teach you design and development processes, using tools and techniques to ensure efficiency and increase the chance of first pass design success.

Our Team of experts will help you to:

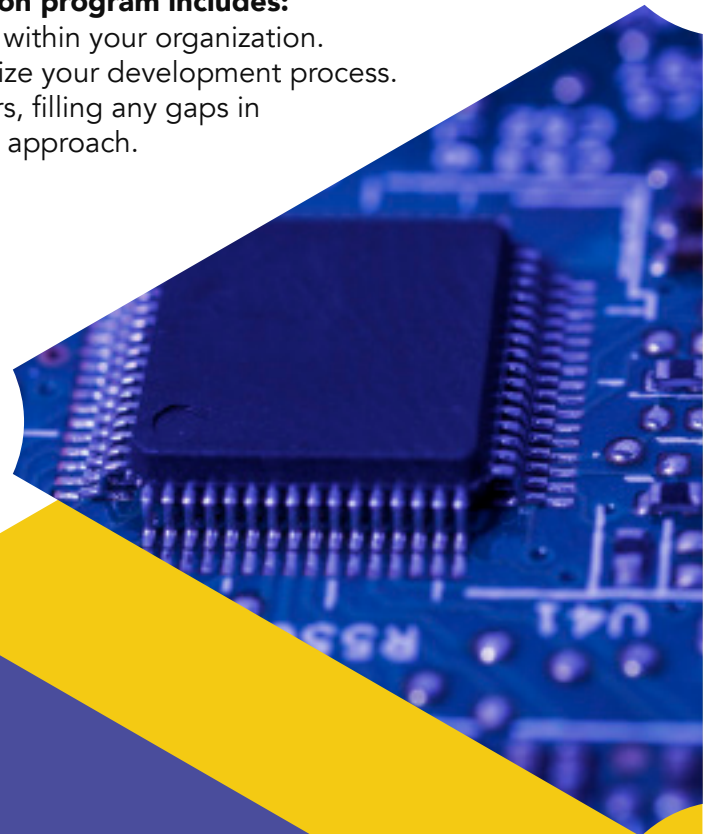
- Develop clear and concise product requirements.
- Conduct design failure modes and effects analysis.
- Structure your product development process.
- Verify and validate product performance.
- Develop and conduct reliability tests.

Our comprehensive new product verification and validation program includes:

- Instilling best practices for product definition and planning within your organization.
- Identifying and prioritizing the key activities that can optimize your development process.
- Providing you with access to our network of trusted partners, filling any gaps in your product's ecosystem to ensure a holistic development approach.

"PRG's skilled team of engineers and consultants immediately brought value to the company without the time and cost of training new employees. Since deploying our new product, the remarkable improvements in quality and reliability have been truly transformative."

-- Senior Director of Operations, Industrial robotics company



“PRG’s expertise in streamlining production and implementing rigorous testing protocols significantly improved our yields and quality standards. We are now able to meet customer demands on-time and cost-effectively.”

— VP of Operations for high performance chip simulation hardware company



HOW IT WORKS

PRG builds your new product verification and validation capabilities with a proven, hands-on approach:

- 1. Assess:** We interview key participants in several functions, including Product Management and Engineering, as well as senior executives, to identify current capabilities, gaps and opportunities for improvement. We also review documents for current product development programs.
- 2. Action Plan:** PRG develops an action plan utilizing the skills of an experienced product manager and consultant, in close collaboration with company leadership.
- 3. Execute:** Experienced PRG staff work with your team to
 - Provide the structure for developing your design and verification & validation testing, ensuring that your organization has clear and concise customer facing, engineering and manufacturing requirements for your product development.
 - Use design failure modes and effects analysis to identify design risks and prioritize design improvements, while also catching predicted failure modes.
 - Facilitate cross-functional efforts to drive improvements in product design and development.
 - Create effective and efficient product development processes, including phase gate review, design review and design rules/guidelines.
 - Develop performance test methods to verify and validate performance.
 - Develop reliability test methods and processes for reliability test execution.

KEY BENEFITS

By partnering with PRG you can streamline product development and take advantage of:

- Accelerated product development schedule and reduced time-to-market.
- Reduced costs associated with development, manufacturing, and rework.
- Creation of key documents to ensure repeatable processes.