

Been There. Done That. For Hire.

Triple Ring Technologies is a team of experienced physicists, chemists, and engineers who know how to collaborate. No egos allowed, only problem solvers. We began four years ago offering a service to evaluate innovations, test hypotheses, identify weak links in designs, and develop alternative approaches to solving problems.

Science. Engineering. Business.

Our technical team is now over 80 people, including 20 Ph.D.'s and 8 former vice presidents of engineering. The team has accumulated over 250 patents and contributed to 70 medical product registrations (510k's, PMA's, and NDA's). Expertise includes electrical, optical, mechanical, and software engineering, fluidics, mathematics, and physical and analytical chemistry.

Understand. Simplify. Accelerate.

Our services span early-stage applied research, product development, regulatory affairs, pilot manufacturing, and entrepreneurial business development. We support virtual companies or assist existing development groups. Entrepreneurs use Triple Ring's services to generate proof-of-concept studies, intellectual property strategies, technical due diligence, and market analyses. These services **reduce risk, reduce costs, and shorten time to market.**

Ideas. Prototypes. Production.

Triple Ring has offices serving Silicon Valley and Boston. The headquarters in Newark, CA are housed in a 41,000 sq. ft. facility that includes dedicated laboratories for optics, radiation source development, and mechanical prototyping; a machine shop; client office space; and a pilot manufacturing facility. Our quality management system is compliant with ISO 13485.

What We Deliver

Technology Development

- Feasibility Analysis
 - System architecture definition
 - Technical assessments
 - Modeling and simulations
 - Risk analysis
 - Literature surveys
- Proof-of-concept engineering
 - Complex optomechanical and electromechanical designs
 - Electronic medical assemblies
 - MEMS devices
- High-end electrical engineering
 - Gigab/sec data acquisition
 - TeraOps/sec image processing
 - ATCA-compliant components

Product Development

- Product requirements documents (PRDs)
- Product engineering
- Design control
- Validation and verification
- Industrial design
- Manufacturing process control
- Pilot manufacturing

Business Development

- Corporate and IP legal services
- Technology due diligence
- Value proposition refinement
- Office space
- SBIR/STTR grant application support