



Engineering Services:

Systems engineering	Systems architecture, marketing requirements analysis, functional specifications, reliability analysis, requirements management
Design and Development of Mechanical Systems	Mechanical design, CAD, CAE, FEA, ProE, Solid Works, Cosmos, thermal analysis, animation, Rapid Prototyping, Rapid Tooling development, mechanical assembly, robotics, machine automation, NDE, mechanical testing
Electronics Circuit Design, Prototyping and Testing	Digital and analog circuit design, PCB design and layout, RF design, electro-optics, subsystem prototyping, system integration and test
Thermal Design	Thermal design, thermal cycle testing, thermal analysis, thermal imaging, thermal FEA
Materials Selection, Prototyping and testing	Polymers, conductive polymers, adhesives, epoxies, UV curable materials, thermal testing, mechanical testing, materials characterization, materials selection
Network Communications Systems Design and Testing	Network architecture, equipment selection, network design, component testing, equipment testing, link testing, transceiver testing, optical systems design, optical component design, fiber optic systems, fiber optic systems testing, optical component testing, electro-optic component testing
Manufacturing Equipment Design, Integration and Test	Automated machine design, robotics, systems engineering, process engineering, reliability testing and analysis, DFM, Quality Assurance process development, QC testing
Product Development	Concept development, proof of concept prototyping, systems engineering, requirements analysis, product architecture, software architecture, system architecture, market requirements assessment, reliability analysis, prototyping, Rapid Prototyping
Project Management	Project planning, risk management and mitigation, risk assessment, Quality Assurance process development
Testing	Fiber-optic systems testing, optical component testing, electro-optic component testing, thermal testing, mechanical testing, materials characterization, system integration and test, reliability testing, QC testing. PCB testing, electronic component testing, software module testing