

Trivium Solutions LLC

Engineering Services and System Development

The Crossroads of Requirements, Analysis, and Solution

Trivium

From Latin, literally 'place where three roads meet', from tri- 'three' + via 'road'. Your end product or service is at the crossroads of requirements, analysis, and solution. It's a simple model that provides our customers with an effective and streamlined approach.

Who We Are

We are a Maryland based, small business (pursuing SBA 8A certification) focusing on providing engineering services and products to the federal government and commercial sectors. We are a team of engineering professionals with over 30 years of individual experience in the development of highly customized product and service solutions for agencies such as NASA, NOAA, NSF, Navy, and MDA. Our subject matter expertise spans from wireless to IT networks and from hardware to software. We are available to support short term (surge) to long term support needs.

Engineering Services

Trivium Solutions provides efficient, disciplined, and proven engineering life cycle solutions to meet our customer's most challenging needs. We are a multi-disciplined team of systems engineers offering:

- Concept of Operations Development
- Requirements Analysis
- Satellite Ground System Design and Development
- System Architecture Development
- Specification Development
- White Paper Development and Trade Studies
- System Engineering, Analysis, and Modeling
- RF and Digital System Design and Analysis
- Firmware Development / Digital Signal Processing
- Printed Circuit Board Design
- Software Development
- Mechanical Design
- Existing System Upgrades and Technology Refresh
- System Integration and Test Services
- IT Security and Compliance
- Systems Engineering and Technical Assistance (SETA)

Customized Product Development and Deployment Services

Our team has extensive experience in developing highly customized product solutions. We specialize in non-Commercial off the Shelf (non-COTS) or modified COTS products. If your product or solution isn't out there, talk to us about partnering with you. Examples include but are not limited to:

- RF Systems
- Antenna Systems / Existing Antenna System Upgrades
- Command / Telemetry Receivers and Telemetry Processing
- Ranging Systems
- Data, Voice, and Video Recorders
- Flight Qualified Transceivers and Flight Termination Systems
- Navigation and Timing Systems

Project Management and Business Development Services

We firmly believe that Engineering Development must be coupled with proven Project Management skills to ensure success. Our focus as a business is to provide leadership, communications, planning, time management, risk management, negotiation, and subject matter expertise (SME). As a partner in your success, we offer:

- Project Management Plan Development
- Multi-Disciplined Team Management
- Project Estimating
- Schedule and Budget Development and Tracking
- Project Forecasting
- Procurement Support
- Proposal Development and Review Support
- Bid and Capture Technical Advisory

