GENERAL DIGITAL SOFTWARE SERVICES

For high quality software development and IV&V, you can count on General Digital Software Services to meet your specifications—and surpass your expectations.

SUPERIOR IV&V SERVICES

Independent Verification and Validation isn't just about quality assurance; it's about ensuring that your safety-critical software and systems are built and running correctly.

IV&V Standards

- Avionics/Military
  - DO-178C
- Medical
  - FDA, IEC62304
  - QMS Validation, ISO13485
- Transportation
  - IEC62279, IEC61508, IEC26262
- Industrial
  - IEC61508, IEC61131
- Cybersecurity Assessment & Mitigation
  - Multiple Industry Certification Levels

Our Process

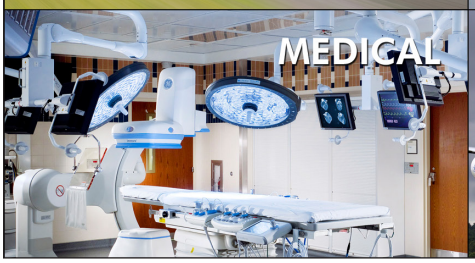
- Requirements Development
- Test Planning and Execution
- Project Coordination
- Discrepancy Resolution
- Results Reporting

SOFTWARE DEVELOPMENT

When it comes to custom software, embedded controls, machine interface or automation, our software development experts provide you with exactly the level of support you require by us, in-house or contracted labor at your facility.

We design, program, verify and integrate real-time software for use in automation, avionics, CAD systems, safety systems, robotics and weapons systems, and numerous other applications.

By combining our development and verification services, you benefit from ***a complete lifecycle solution***.



- Embedded Firmware Development
- Software development in many languages, including:
  - ADA, Android, Assembly
  - C/C++, Eclipse, IOS
  - LabVIEW, Perl, Python
  - QML, Qt, Qt Creator
  - SQL, TCP-based protocols
  - VB.NET, Visual Studio
  - WPF, XAML, Xamarin
  - Human-Machine Interface
  - Many More

OUR RICH HERITAGE

For over 40 years, General Digital has maintained a reputation for meeting our customers' demands with accurate, on time, and cost-efficient software services. Let us show you how we save you valuable engineering time, increase efficiency and provide you with third-party objectivity to improve your bottom line.

Client Sampling

- Airbus
- Boeing
- Ford Motor Company
- General Motors
- Gerber Scientific
- Girgis Medical
- Rolls-Royce
- Sikorsky
- Triumph Engine Control Systems
- United Technologies Companies

Our Experience

- Avionics
- Power/Energy
- Medical Device
- PLC/Automation
- Manufacturing Automation
- Machine Interface Systems
- Custom Display Controllers
- Embedded Systems Development
- Embedded Linux
- 2-D Graphics
- Remote System Monitoring
- Device Interface (Barcode Readers, Ultrasonic Distance Sensors, Laser Marking Systems)

SOFTWARE TESTING & DEVELOPMENT SERVICES

CONNECT

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