High-End Enterprise to Embedded Software Torch designs, develops tests, delivers, and supports both runtime and real-time software in various applications. Our experience with software development comprises both Linux and Windows operating systems and has been tested with both classified and unclassified systems. Torch frequently uses programming languages such as C#, C++, Java, Python.

Artificial Intelligence and - Machine Learning

Torch teams provide intelligence augmentation (IA) for weapon systems engineering, prototyping and operations. Torch supports adapting AI technologies to improve operator efficacy when using defensive weapon systems.

Big Data

Engineers develop automation for batch driven processes and perform analysis on large datasets in support of Ground Vehicle Systems, missile testing, and aiding in decision support. Engineers have a wide range of skills and have experience collecting, interpreting, and analyzing data using various analytical methods and statistical techniques.

Enterprise Applications

Torch engineers develop geographically dispersed enterprise-based applications. Our portfolio consists of systems used for tactical mission planning, distributed computational analysis, diagnostic applications, and web-based planning systems among others. Torch teams provide support to government labs in the creation of enterprise platform simulation framework.

Cloud Architecture

Torch teams have expertise in developing frontend platform, backend platforms and cloud-based technology. This enables Torch to develop and deploy software solutions more rapidly for our customers.

Real-Time Applications

Torch has developed a wide range of real-time applications, from low-level embedded systems to large-scale high-performance compute-cluster systems. This includes development of sophisticated safety-critical operational software systems such as UAS ground stations and radar calibration systems.

Model-Based Software

Torch development teams use a Model-Driven Architecture approach. Using UML modeling tools, Torch can rapidly produce complex interface-compliant software. We provide expertise to develop, enhance, evaluate, and maintain a suite of distributed digital simulation, and system-of-systems specific to Hardware in the Loop (HWIL) and virtual simulations.

Ensuring Continuous Quality and Process Improvement Scaled Modern Software Delivery Torch software developers and engineers use agile methodologies across teams of teams and business units. We organize software development around value, applying incremental, fast development cycle.