

## Paladin Fire Control Systems

### CHALLENGE

Decilog has been engaged for system requirement definition, software implementation, and test and installation support for the Paladin M109A6 self-propelled howitzer. One key challenge in this effort was assisting our client in supporting multiple individual upgrade projects in such a way as to foster cohesive goals and minimize inter-project impacts.

### APPROACH

Decilog provides the expertise for the system requirement definition and implementation of overlapping project upgrades through the following approach:

- ▶ requirement documents for each project agreed to by all stakeholders
- ▶ program and project level schedules identifying key common activities
- ▶ representation on Army-wide interoperability panels

The individual upgrades address the following architectural areas:

- ▶ changes in communication standards and protocols with external systems
- ▶ upgrades to third party products
- ▶ upgrades to hardware components to address obsolescence issues
- ▶ new functional capabilities

### BENEFITS

By providing expertise, experience and capabilities with respect to Paladin artillery systems, Decilog helps to ensure high quality and safe products are deployed to meet the needs of our war fighters.



### RESULTS

Paladin has successfully fielded multiple upgrades and each of these systems on time and passed Army interoperability testing with zero defects.