

# Software Development

Lumina Engineering offers a complete set of lifecycle services in the development and implementation of engineering-intensive software applications.

Whether you are a client research and development organization or engineering and manufacturing firm, we can add highly talented supplemental staff to your software engineering team.

We can assist in areas where you lack expertise or need to bolster staff to meet more aggressive development schedules.

At Lumina we have created our own software development methodology based on IEEE standards. Included in our process is a Life Cycle Model involving hazard analysis, process assurance and configuration management.

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***This methodology can be adapted to common Laws, Regulations, Guidances and Standards (LRGS) including:***

- *FDA/QSR*
- *FAA DO178-B*
- *DOD2167-A*
- *ISO 9000-3*

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Lumina Engineering offers real software solutions to all of your software needs.

We welcome inquiries.

## Expertise:

- *Embedded Systems, Firmware, Drivers*
- *C/C++, Visual Basic, Assembler*
- *Data Communications & Protocols*
- *Object-Oriented Development*
- *Real Time Systems & Data Acquisition*
- *Medical Systems, Laboratory Systems & Factory Systems*
- *SEI, CMM*