

PPT offers a variety of software engineering services:

- ▲ Business Process Improvement
- ▲ CMMI-Based Appraisals
- ▲ Configuration Management
- ▲ Estimation and Analysis
- ▲ Information Management
- ▲ Measurement
- ▲ Quality Assurance
- ▲ Risk Management
- ▲ Software Development

## Software Systems Safety

- ▲ Strategic Planning
- ▲ Test and Evaluation
- ▲ Verification and Validation

## Safety Critical Software Expertise

- ▲ Development and Verification
- ▲ FAA Designated Engineering Representative
- ▲ Specializing in DO-178B, Up to Level A

## Systems Expertise

- ▲ Aircraft Engine Controls
- ▲ Integrated Aircraft Avionics Systems
- ▲ Fly-By-Wire Helicopter Controls
- ▲ International Space Station Control Systems
- ▲ Automotive Anti-Lock Brake Controls
- ▲ Industrial Test Equipment
- ▲ Redundant Systems

## Software Development Expertise

- ▲ System/Software Requirements Specification
- ▲ System Safety Analysis
- ▲ System Architecture Analysis
- ▲ Software Development
- ▲ Software Quality Assurance
- ▲ Software Program Management
- ▲ Software Process Improvement

## Task Experience - Examples

- ▲ Real-time software development and maintenance
- ▲ FAA Qualified Tool Development
- ▲ DO-178B software program management for FAA certified software
- ▲ DO-178B gap analysis on situational awareness avionics system
- ▲ DO-178B compliance for FAR part 23, part 25 and part 33
- ▲ DO-178B standard document templates development
- ▲ FAA and Military organizational software process development
- ▲ Automated industrial test equipment hardware and software design / development