PIED
PLATFORM INTEGRATION CAPABILITIES

Platform Identification
- Platform Digital Modeling
- Test and Measurement
- Installation Location Determination
- Preliminary Analysis
- Platform Data

Platform Integration Preliminary Design
- Conceptual Design
- Human Engineering
- Structural Design and Analysis
- Electrical Design
- Thermal design and Analysis
- Aerodynamic Design and Analysis

Platform Integration Critical Design
- Electrical Load Analysis
- Weight-Balance Analysis
- EMI/EMC Analysis
- Safe Separation Analysis
- Coverage Analysis
- Antenna Simulations

Integration and Documentation
- Production Documents
- Procurement and Production
- Integration/Installation
- Final MWO
- Documentation
- System Functionality

Test and Verification
- Harness Tests
- Ground Vibration Tests
- Functional Ground Tests
- Platform EMI/EMC Tests
- Safety of Flight Tests
- Environmental Verification Tests