Law Enforcement Aerial Platform System (LEAPS)

System Development included:

- Airborne sensors and ground-based instrumentation integration.
- GUI interface for the ground operator.
- Efficient, cost-effective data archival and retrieval system.

- See ITEA TIW 2012 presentation for a more complete discussion of the system details:
  “Applying Instrumentation & Telemetering Technologies from the DoD Test & Evaluation Arena to Commercial Law Enforcement,” Michael A. Scardello, Senior VP Programs, Spiral Technology, Inc., 16 May 2012, Session A.3 -10:30 AM
LEAPS Mission & Requirements

**LEAPS Mission**

The mission of LEAPS is to provide an affordable, reliable, manned or unmanned, aerial surveillance system that integrates with existing Law Enforcement and/or Local Government’s infrastructures to augment existing Law Enforcement capabilities.

**LEAPS Requirements**

- Provide airborne Imaging 10 hours/day, 7 days/week.
- Ground control of airborne sensor by Law Enforcement Dispatch Staff.
- Imagery resolution sufficient to see persons and actions from 3,000 ft AGL.
- Imagery captured and archived with time-tag and geographic location data to allow search retrieval by date/time and latitude/longitude.
- Encrypt all radio frequency communications.
- Access to Command and Control functions and to Imagery requires user authentication.
- Ensure preservation of Evidentiary Material.
Mission Achieved and Requirements Met

System Development included:

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• GUI interface for the ground operator.

• Efficient, cost-effective data archival and retrieval system.

• See 16 April 2012 ITEA presentation for a more complete discussion of the system details.