

## Quarterly Report – Public Page

Date of Report: January 8, 2007

Contract Number: DTRS56-05-T-0002

Prepared for: US Department of Transportation, Pipeline Research Council International and Operations Technology Development Corporation

Project Title: "Design, construction and demonstration of a robotic platform for the inspection of unpiggable pipelines under live conditions"

Prepared by: *NYSEARCH/Northeast Gas Association*

Contact Information: *Dr. George Vradis, 212-354-4790, ext. 217, gvradis@northeastgas.org*

For quarterly period ending: *November 30, 2006*

### **Progress to date:**

The project is completing the design-fabrication, -prototyping, and module-assembly phase, and has begun the system assembly and software integration and testing/debugging stage.

The main system PCBs have been received, with PCB layouts and production-data remaining for a select few modules. Multi-module parts are continually being received and assembly is continuing at the module levels for all individual modules. Fit-checks and electronic checkouts and calibration are continually being carried out as assembled modules come off the assembly line. The software for wireless communication, video-rendering and on-board computer communications has been written and debugged and has passed stress-testing. Automatika is currently continuing the PCB prototyping, production, population and testing efforts, and continues the task of wire-harness documentation and rendering for production purposes.

Automatika continues to interact with the Sensor Provider, with the focus now on reviewing test-data (videos) and planning for the delivery and sensor integration effort in early 2007.

The launcher design and development effort has entered the concept development phase, with multiple concepts being developed which will be presented and down-selected in the next quarterly reporting period, as well as the beginnings of the detailed launcher design.

A Memorandum of Understanding has been signed with a commercialization partner. Negotiations for a full licensing agreement are under way.