

## **Quarterly Report**

December 2, 2005

Contract Number: [DTRS56-05-T-0002](#)

Public Page The project is now on a revised schedule and scope effort in order to allow the addition of several technical enhancements to the system. The system design has proceeded to the stage that the following modules are nearing design completion: drive-module (deploy and traction), steering-module (pitch and roll), battery-module (power-system), and the camera-module (Imaging, computing and wireless communication). In addition, the following modules have been added and are near completion as well: sonde-module (pipe-locating), MFL camera-module (viewing MFL in tight spaces) and the MFL mini steering module (needed for mitered bends). Automatika is planning a final design review by January 30<sup>th</sup>, 2006 providing more detail to the funders on the mechanics, electronics and software of the final TIGRE design, prior to proceeding into the fabrication, assembly, integration, testing and acceptance demonstration stage of the program. Automatika will continue to interact with the Sensor Provider, focus shifting soon from sensor design selection to the control interface between platform and sensor. Finally, launching/retrieval related design issues were considered, with efforts underway to identify specific fittings and valves that would allow for a reasonable launching procedure. Discussions with potential commercializers continue, with one of them nearing a decision on whether to proceed with formal licensing negotiations.