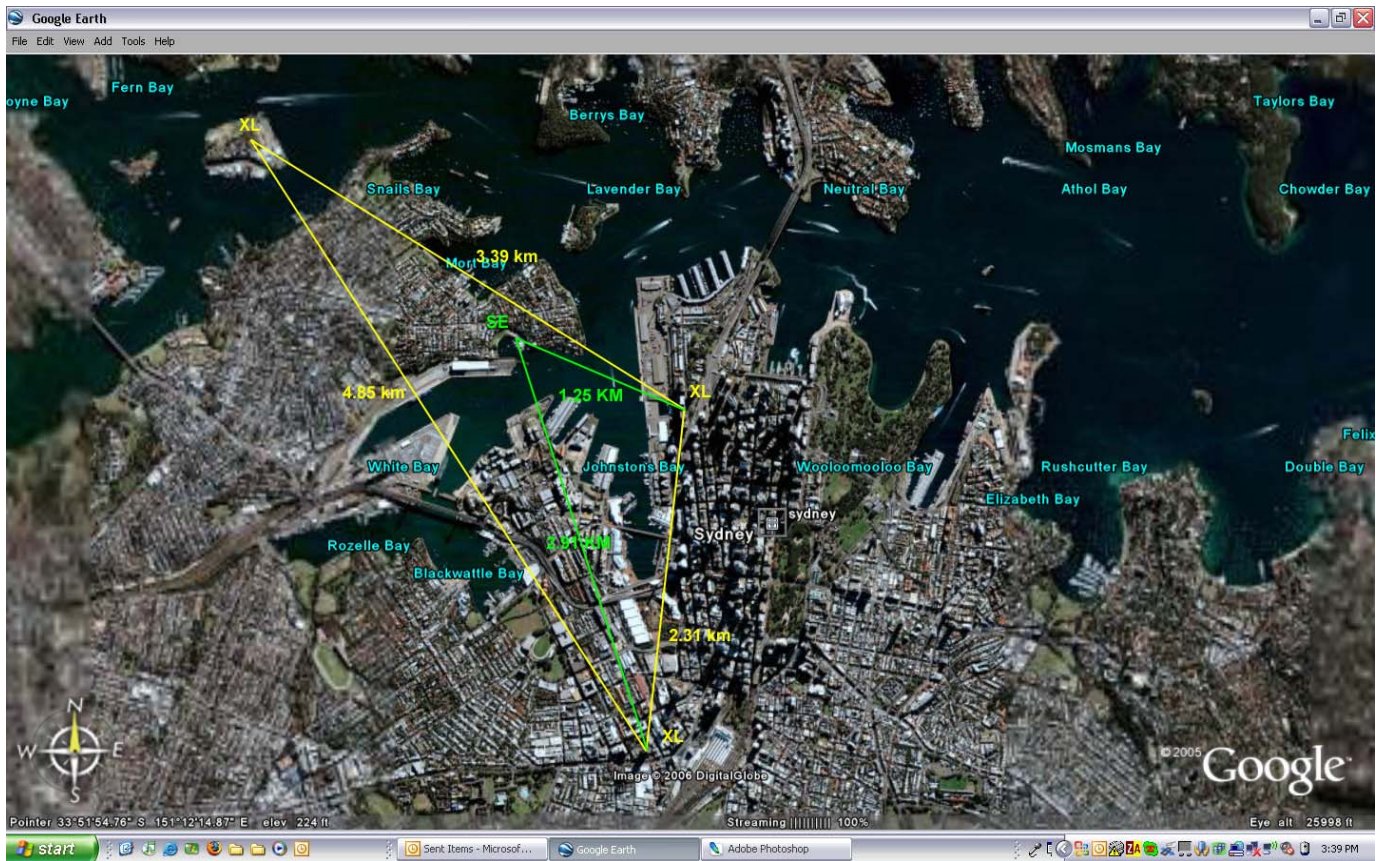# Rajant Corporation in Sydney

Successful Rajant Demonstration Prompts Invite From Australian Government

Rajant Corporation was asked to support a field training exercise in Sydney Australia in order to demonstrate and evaluate the capabilities and stability of the BreadCrumb network in a highly urbanized area. The requirement for the exercise was centered on the ability of the Rajant equipment to quickly deploy a wireless broadband network around and over the city of Sydney and the surrounding harbor.

Barry McElroy, Rajant Director of Military Sales, arrived in Sydney on the morning of April 6th 2006. During the day he conducted a reconnaissance of the local terrain to select the appropriate deployment sites for various BreadCrumbs in and around the city and harbor. Four sites were selected (see photo), two on tall buildings located in the commercial business district, one at the Marine Police Headquarters building, and one atop a tall water tower located on an island in the middle of the harbor.

Installation of the BreadCrumb units commenced the following morning and was completed by early afternoon the same day. After turning on the BreadCrumbs, it took approximately 30 seconds for the network mesh to form and begin passing data and video traffic. Localized interference from a proliferation of other 802.11b networks operating in the city had no effect on the performance or stability of the network.

The network consisted of three XLV BreadCrumbs and one SE BreadCrumb located in the fixed positions described above and one XLV and SE acting in a "rover" capacity. Over the course of the next three days, network accessibility and throughput tests were conducted in and around Sydney and surrounding suburbs. These tests enabled the client to accurately chart the total coverage area of the ethernet umbrella which Rajant provided over the city. During the course of the evaluation period, the Rajant BreadCrumbs were able to maintain 11mb connections throughout the entire length of the network, with average "ping" times of 6ms from end to end.

After the successful conclusion of the evaluation and test exercise, the Australian Government selected Rajant Corporation to provide the wireless coverage for a major counter-terrorist exercise that will take place in the near future.