

ARKnet Deployment Project, Status, 1 February 2016

SUMMARY

ARKnet Deployment is again moving forward. We have a signed agreement with Lehigh Southwest Cement Company to host our first Sector site with the deployment planned for the end of February 2016. This site will operate entirely on Solar Power and battery backup. We also continue to pursue options with the Cupertino City Center.

THIS PERIOD'S ACCOMPLISHMENTS (since October 2015)

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| 1. MOU signed with Lehigh Southwest Cement Company |
| 2. Completed Lehigh training of 6 project team members for on-site work. |
| 3. Worked with City Traffic Engineering to receive 2 excess signal control enclosures (several \$1,000 project savings) |
| 4. Sector Site build is now in progress. |

UPCOMING EVENTS

Activity	Due Date
1. Finalize Application Server Design	Complete. 11-September
2. Finalize Sector Site initial design for Lehigh Southwest site	27 February 2016
3. Deploy Sector Site to Lehigh Southwest site	27 February 2016
4. Perform RF surveys for City Service Center, EOC, and first 2 ARKs	March 2016
5. Submit funding proposal for City Fiscal Year 2017	March 2016

ISSUES, RISKS

	Due Date	Action Plan
1. City-wide coverage from Lehigh may be insufficient to hit all desired sites.	March 2016	Complete RF Survey to confirm city-wide coverage. Continue to pursue CCC/B3 site as a 2 nd sector site.

MILESTONES (all dates are preliminary)

Checkpoint	Planned	Actual	Notes
1. Requirement Checkpoint	31 May 2015	15-Jul-2015	Complete
2. Design Checkpoint	11 Sep 2015		Delayed to 27 Feb 2016
3. Sector Site Deploy Checkpt	25 Oct 2015		Delayed to 27 Feb 2016
4. First Client Test	21 Nov 2015		Delayed to April 2016

NARRATIVE

January finally gave us with some wins with moving the project forward. We completed a site survey of Lehigh Southwest Cement Company in December, submitted a proposal and MOU, and received sign-off from Lehigh Management shortly thereafter. Because Lehigh is a working manufacturing plant, six project team members participated in Lehigh safety training that now allows us limited access to the site for up to 2 weeks. This is more than sufficient for us to perform the Sector Site installation in February and checkout in March. Another break came from working with City DPW and the Traffic Engineering Department, and their offer of 2 traffic signal excess enclosures for ARKnet use. These enclosures will house the solar controller, other network gear, and batteries. This significantly reduced the project cost allowing us to focus FY'16 funds on site deployments. With the build now back on track, we plan to deploy the first sector site to Lehigh the weekend of 27-February. This step is critical for us to then survey the RF coverage for the field client sites.