


UTC Project Information	
Project Title	Automated Transit Networks (ATN): A Review of the State of the Industry and Prospects for the Future (Former title: Automated Transit Networks: State of the Industry in 2013)
University	San José State University Mineta National Transit Research Consortium
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Funding Source(s) and Amounts Provided (by each agency or organization)	Research and Innovative Technology Administration University Transportation Centers Program (\$25,005) California Department of Transportation Office of Research—MS42 (\$25,005)
Total Project Cost	\$50,010
Agency ID or Contract Number	DTRT12-G-UTC21
Start and End Dates	August 2013 – September 2014
Brief Description of Research Project	<p>The concept of Automated Transit Networks (ATN) - in which fully automated vehicles on exclusive, grade-separated guideways provide on-demand, primarily non-stop, origin-to-destination service over an area network – has been around since the 1950s. However, only a few systems are in current operation around the world. ATN does not appear “on the radar” of urban planners, transit professionals, or policy makers when it comes to designing solutions for current transit problems in urban areas.</p> <p>This study explains ATN technology, setting it in the larger context of Automated Guideway Transit (AGT); looks at the current status of ATN suppliers, the status of the ATN industry, and the prospects of a U.S.-based ATN industry; summarizes and organizes proceedings from the seven Podcar City conferences that have been held since 2006; documents the U.S./Sweden Memorandum of Understanding on Sustainable Transport; discusses how ATN could expand the coverage of existing transit systems; explains the opportunities and challenges in planning and funding ATN systems and approaches for procuring ATN systems; and concludes with a summary of the existing challenges and opportunities for ATN</p>

	<p>technology. The study is intended to be an informative tool for planners, urban designers, and those involved in public policy, especially for urban transit, to provide a reference for history and background on ATN, and to use for policy development and research.</p>
<p>Describe Implementation of Research Outcomes (or why not implemented)</p>	<p>Furman, Buff. "A Study of the State-of-the-Industry for Automated Transit Networks". Presentation at the PODCAR City Conference 7 and the Advanced Transit Symposium, Washington, DC, October, 2013.</p> <p>Furman, Buff. "Automated Transit Networks – State of the Industry." Presentation at the PODCAR City Conference 8, Stockholm, Sweden, September 4, 2014. [No UTC funds used to support international travel.]</p> <p>Philbrick, Karen. "Automated Transit Networks - State of the Industry." Presentation at the 94th Annual Meeting of the Transportation Research Board, Washington, DC, January 14, 2015.</p> <p>Furman, Buff. "Solar-powered Automated Transit Networks: The Future of Sustainable Urban Transportation" Presentation at the USDOT OST-R ITS Professional Capacity Building Program Talking Technology and Transportation (T3), Webinar, November 17, 2016.</p>
<p>Place Any Photos Here</p>	 <p>Bombardier Manufacturing Facility Outside Pittsburgh, PA</p>
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	

<p>Web Links</p> <ul style="list-style-type: none">• Reports• Project Website	<p>Final report (MNTRC Website): http://transweb.sjsu.edu/project/1227.html</p>
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