Abstract

Integrated Approach to Asset and Work Management Using GIS
Track: New Technology and Technology Integration
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Over one million people pound the pavement of San Diego each day and that number is growing annually. To better serve the public and private sectors, and meet increasing demands on the multiple computer systems in place, the City of San Diego created Project Synergy, and after analysis, implemented SAP R/3. San Diego Street Division had additional requirements: how could it maintain asset tracking, and define it to spatial map coordinates in SAP R/3. The Street Division maintains over 3,000 miles of streets and 5,000 miles of sidewalks with a total of 370 employees. It needed to give system access to city residents and other department users so they could enter and check the status of requests using this mapping capability. It also needed to provide mobile access and automatic tracking of work, including the mapping capability for its employees. As part of Project Synergy ESRI's GIS product suite was implemented to assist with this crucial integration. The paper talks about various aspects of the project and how various ESRI technologies were utilized for this purpose.

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