

## Industry Leader Energizes AEC Initiatives at Esri

David Totman wants to meet you. The Esri Global Industry Manager for the Public Works, AEC, and Survey worldwide markets has set his sights on talking to users of Esri technology and exploring how geospatial tools can be integrated into AEC business processes. Totman has worked with geospatial technology for more than 25 years and is a longtime user of Esri software. His expertise stretches from business process optimization and project analytics to infrastructure management.



“The AEC industry creates the built environment,” Totman said. “This built environment, both new and old, faces many challenges that are spatial in nature. Both natural events and human-made influences can be mapped and the effects analyzed against this built environment so we can understand the history, react to the current situation, and predict the future.”

While Totman noted that there are synergistic opportunities across the architecture, engineering, and construction industries, he outlined some distinct areas where Esri will be able to contribute.

“In architecture, we will support the GeoDesign initiative that encompasses a holistic approach to integrating the causal relationships of our environment into the architectural framework,” Totman said. “For engineering, we will work to educate the community on GIS as an engineering information system, managing data throughout the infrastructure life cycle. We will also emphasize how the role of engineers supports communities across the United States as we face the challenge of aging infrastructure.”

As the engineering community adopts GIS as an Engineering Information System, Totman said the construction community will greatly benefit by using that system as they execute the construction portion of the infrastructure life cycle.

“I also see great Business to Business opportunities for construction firms to take advantage of Esri’s advanced logistics solutions, especially in the concrete dispatch and delivery industry,” he said.

Before joining Esri, Totman served as the manager of asset management for Colorado Springs Utilities, one of the largest four-service municipally-owned utilities in the United States. He was educated in chemistry at Rensselaer Polytechnic Institute and received his Bachelor of Science in Geological Engineering from Arizona State University. Graduate work at ASU included a Research Assistantship with the College of Construction and thesis development in groundwater transportation methods.

Totman served on the Arizona Geographic Information Council (AGIC) and was a member of the Geospatial Information & Technology Association (GITA) since its AM/FM International days. He currently manages the Esri corporate membership for the American Public Works Association (APWA), American Society of Civil Engineers (ASCE), National Association of County Engineers (NACE), and Open Design Alliance (ODA).

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