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**DARATECH PLANT™**  
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**2009**

February 23-25, 2009  
Hilton Americas, Houston, Texas

## CHAIRMAN'S MESSAGE



### Strategies for a Hyper-Demanding Industry

The daratechPLANT conference represents a unique venue for the exchange of not only technology advances, but the ideas and directions that these spawn. Driving this years "ideamart", we are very fortunate to have Dr. Jorge Vanegas, Interim Dean, College of Architecture, Texas A&M University. His perspective is both as an accomplished practitioner and as a respected academic leader.

Dr. Vanegas describes three major challenges that capital projects industry (CPI) is experiencing (1) operating within increasingly complex economic/financial, environmental/ecological, and social/political constraints (i.e., the triple bottom line); (2) satisfying increasingly higher expectations for faster realization of economic value and return on investments for shareholders; and (3) increasing alignment and collaboration among the public sector, the private sector, and academia.

## October 2008 Newsletter

### DID YOU KNOW

Introducing "Ranger" - The World's Most Powerful Supercomputer for Open Science Research. To build and deploy Ranger, the National Science Foundation awarded Texas Advanced Computing Center (TACC) \$59 million, the largest award ever from that agency to UT Austin. [Read story...](#)

From this, Dr. Vanegas describes four “knowledge domains” that are required to meet these challenges:

1. **Green:** to balance the demands and requirements of the triple bottom line; from sustainable urbanism, through sustainable civil infrastructure systems for energy, water, transportation, waste, and communications, to sustainable facilities, building systems, products, and materials.  
(e.g., see <http://sustsci.aaas.org/content.html?contentid=1270>)
2. **Lean:** to enhance value and reduce/eliminate waste, in order to achieve more effective and efficient use of capital, materials, labor, equipment, and other resources throughout the life cycle of a capital facility.  
(e.g., see <http://www.leanconstruction.org/>)
3. **Technology:** to develop the technological roadmap and the infrastructure, talent, and capacity required to plan, execute, deliver, and operate capital facilities within the highest levels of sustained value, quality, performance, and productivity.  
(e.g., see <http://www.fiatech.org/>)
4. **Intelligence:** to achieve an integrated design and operational smart manufacturing paradigm, based on a predictive and preventive mode of operation linking energy usage, energy production, safety, and environmental impact, with a substantially more rapid incident-response capability.  
(e.g., see [http://pubs.acs.org/journals/iecred/promo/100th/smart\\_processing.html](http://pubs.acs.org/journals/iecred/promo/100th/smart_processing.html))

We are excited to be able to present many of these strategies and issues at the daratechPLANT conference. For example, for the first time, we will be featuring a briefing of the relevant research areas from some of our most outstanding universities. It will be interesting to understand where the confluence of technology, industry challenges, and social imperatives will go.

**Joseph Morray, Jr.**

Chairman 2009 daratechPLANT Advisory Board  
(President, Trinity Technologies Corp.)

## HIGHLIGHTS

### Emerging Technologies

**Pavilion:** In addition to a full plenary briefing, more in depth discussions can be held in the emerging technologies pavilion.

This is an area at our event where universities will be able to talk one-on-one with interested companies about how their research will benefit them -- an excellent opportunity to gain potential backing and funding from interested parties!

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## WHAT'S NEWS

## SNC-Lavalin Group Expands Investment in Intergraph SmartPlant Enterprise

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## CAD Schroer Shows Turnkey Installation Designers How to Win More Business

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## New Case Study Highlights TEPSCO Project Completed in 50% Less Time using CADWorx fieldPipe

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## Sunoco Logistics Selects Adept Document Management Software to Achieve More Accurate & Secure Information

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daratechPLANT is organized by TradeFair Group, an Access Intelligence Company. For the latest info on daratechPLANT, visit [www.daratechPLANT.com](http://www.daratechPLANT.com). For info on becoming a Sponsor, contact Julien DuPont at 214-358-5359 or [juliend@tradefairgroup.com](mailto:juliend@tradefairgroup.com). For info on speaking or serving on the Advisory Board, contact Kim Arellano at 832-242-1969 ext. 313 or [kima@tradefairgroup.com](mailto:kima@tradefairgroup.com).

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