The ECC Academy Awards

INNOVATIVE TECHNOLOGY SOLUTIONS

“Recognizing Technologies Which are Pioneering Our Ability to Innovate and Add Value in Our Project Industry”
Innovative Technology Solutions

Joseph Morray, Jr.

ECC Executive Advisory Committee
Trinity Technologies, President

Redefining Our Industry
Solutions through Collaboration, Innovation and Organization
Academy Awards of Innovative Technology

Redefining Our Industry
Solutions through Collaboration, Innovation and Organization
The Innovative Technology Committee

Tex Carter,
Vice President Sales, Washington Group

Patrick Holcomb,
Executive Vice President - Intergraph

Nicole Testa,
Deputy Director of FIATECH

Gary Chanko,
Director – Construction Development – FLUOR
Innovative Technology Solutions

MAJOR PROJECT CATEGORIES:

- Safety and Training Solutions
- Engineering Solutions
- Wireless RFID and Sensor Technologies
- Construction and Construction Planning Solutions
Safety and Training Solutions

Tex Carter
Vice President
Washington Group
Safety and Training Solutions

1st Nominee:

Crane Simulator

Zachry Construction
Safety and Training Solutions

2nd Nominee:

Safety Blueprint

Construction Users Roundtable ( CURT )
Automated Hazop

HAZID
Can you envision applying these applications on your projects in the next twelve months?

1. Immediate possibilities for one or more - 50%
2. Need some more evaluation but encouraged - 45%
3. Solutions still need maturing - 5%
Engineering Solutions

Patrick Holcomb
Executive Vice President, Intergraph

Redefining Our Industry
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Engineering Solutions

1st Nominee:

Digital Isometrics

Intergraph Corporation
2nd Nominee:

Design One, Build Many

VECO / Bentley Systems
3rd Nominee:

Real Time Visualization

VR Context
Has technology advanced today to a level where every project needs to use these tools to ensure effective design and construction?

1. You’d be stupid not to use the technologies 49%
2. I’m still on the fence. I need another year to listen to the ECC panels 29%
3. Current engineering processes make it difficult to use these technologies 22%
Wireless RFID and Sensor Technologies

1st Nominee:

Concrete Maturity Sensor

ENGIUS
Wireless RFID and Sensor Technologies

2nd & 3rd Nominee:

RFID for Material and Supply Chain Management

Motorola and Savi Technology
Wireless RFID and Sensor Technologies

4th Nominee:

Wireless Mesh Networks

CROSSTBOW TECHNOLOGY
Do you see the use of RFID and sensor technologies substantially changing how we do work in the future?

1. This is a big deal and will impact construction considerably (63%)
2. I’m on the fence and will need to come to the ECC conference a few more times (27%)
3. I don't see the use for RFID's (10%)
Construction and Construction Planning

1st Nominee:

Advanced Construction Tools

Hilti
Construction Planning with Modularization

2nd Nominee:

Construction Planning with Modularization

Alcan / Bentley
3rd Nominee:

Laser Scanning Models

Quantapoint / ExxonMobil
GPS Systems for Advanced Construction

4th Nominee:

Trimble
Construction and Construction Planning

5th Nominee:

Advanced Construction Planning

Common Point
1. Considerably, as the planning processes are key to a successful project

2. I like the tools, but I’m not sure that it will affect the field effectiveness

3. The tools still have a way to go

92%

5%

3%
Is there at least one new technology solution that you have seen here today to pursue on your next project?

1. Yes
   - 92%
2. No
   - 8%
Redefining Our Industry
Solutions through Collaboration, Innovation and Organization
# Innovative Technology Solutions

- Thanks to...

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