OSIsoft's Academic Program
Begin by Starting Small

Presented by **Teresa Crane, PhD**

OSIsoft Academic Program Goals

Why

- Changing Academic Market to One of Industry Collaboration and Data Analytics
- Paying Back To Universities >> Paying Forward To Students
- Enhancing Customer Value via a Deeper Partnership

What

- Providing Complementary Software, Jumpstart Services, Coaching & Learning
- YouTube Learning – About 2,000 lessons each 2-10 min long
- Grant Partnering

How

- Collaborative Innovation – Joint Vison OSIsoft/Academic Institution
- The Triple Helix – Academic, Government & Industry Drive Innovation

- Start small – Use what you already have

- Outcome based ideas – Focus on value

- Document lessons learned

- Once completed – Develop an expanded plan

Key requirements - Government grants, foundation support along with private sector funding

The Robert L. Preger Intelligent Workplace, built in 1997, is a 7000 square foot living laboratory of office environments and innovations located on the campus of CMU University.

Intelligent Dashboards

Demonstrate real-time, analytic and visualization capabilities to integrate, monitor and diagnose building performance indices.

Generate knowledge and distribute it through the decision chain from the Occupant to the City Level.

Business Challenge

- Monitor, diagnose and optimize building performance.

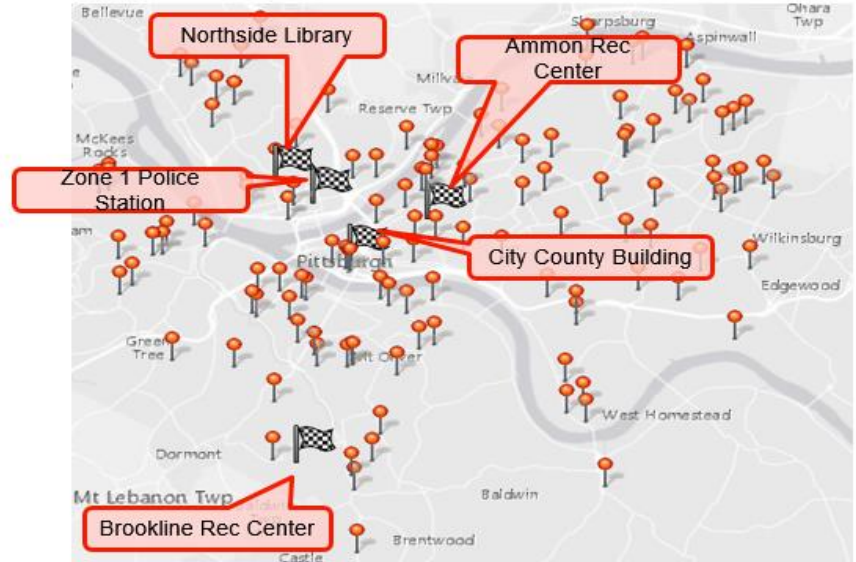- Inform, engage, empower occupants, building executives, decision makers.

Solution

- PI Server, PI AF, PI ProcessBook, PI Coresight, PI WebServices, PI WebParts

- Microsoft 365 solutions

- CMU dashboards and innovative solutions

Results and Benefits

- Ensure Energy Savings and Carbon footprint reduction.

- Increase Occupants Comfort, Satisfaction and Productivity.

- Prioritize investments and retrofift actions.

- 5 City of Pittsburgh buildings with real time data
  - Ammon Rec Center
  - Brookline Rec Center
  - Northside Library
  - Zone 1 Police Station
  - City County building
- Utility data (monthly electric, gas, water bills) for 140 total buildings
- **Purpose:** to help reduce building energy consumption while ensuring better air quality for building occupants

**Big Data by starting Small making Pittsburgh
the model for a Smart City.**

Providing Software for Grant Funded Projects

- OSIsoft, LLC provides in-kind donations for matching cost share on federal grants at Universities
  - Software
  - Services
  - Training
- Universities pay portion of grant towards in-kind donations
- Focus on projects that support our customers and OSIsoft
- Talk to Academic Account Manager
  - Memorandum of Understanding
  - Letter of Support
  - Letter of Commitment

Grant Partnering at Universities

- Pennsylvania Infrastructure Technology Alliance (PITA) Grant to fund Master Students in Energy Systems Engineering Institute
- Award: $50,000
- Principal Investigator: Rudy Shankar, PhD

Grant Partnering at Universities

- California Energy Commission Grant (CEC-PON-14-307): Demonstration of community scale low cost highly efficient PV and energy management system
- Award: $1.24 Million
- Principal Investigator: Jae Wan Park, PhD, Dept of Mechanical and Aerospace Engineering

Grant Partnering at Universities

CLEAN ENERGY SMART MANUFACTURING INNOVATION INSTITUTE

- Over $140 Million in Public-Private investment
- Radically improve the precision, performance, and efficiency of U.S. advanced manufacturing
- Partnership with U.S. Department of Energy
- Keynote this afternoon

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