

Smart Campus: Collaborative Insights

Presented by

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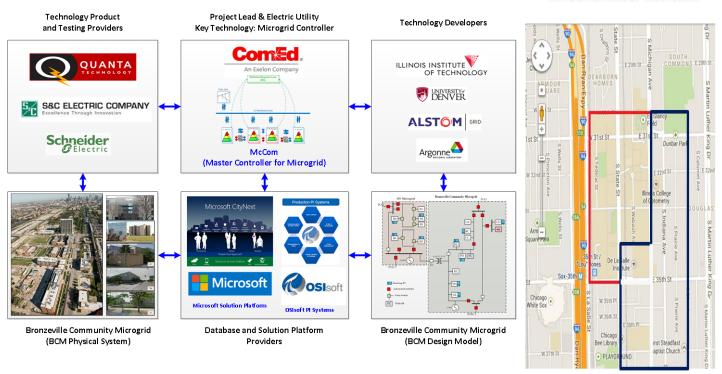




IIT Smart Campus Community in Chicago



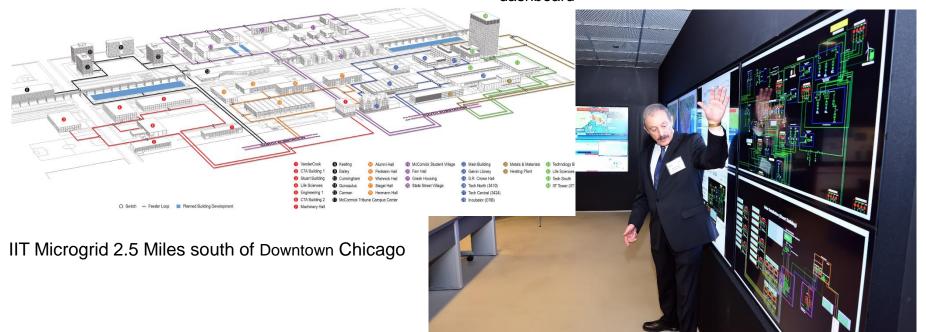
ILLINOIS INSTITUTE OF TECHNOLOGY



The Robert W. Galvin Center for Electricity Innovation



Dr. Shahidehpour presenting CSMART's OSIsoft campus dashboard



The Center for Smart Grid Applications, Research, and Technology (CSMART)



Networked LED Streetlight Installation on IIT's Campus replacing old High Pressure Sodium Fixtures



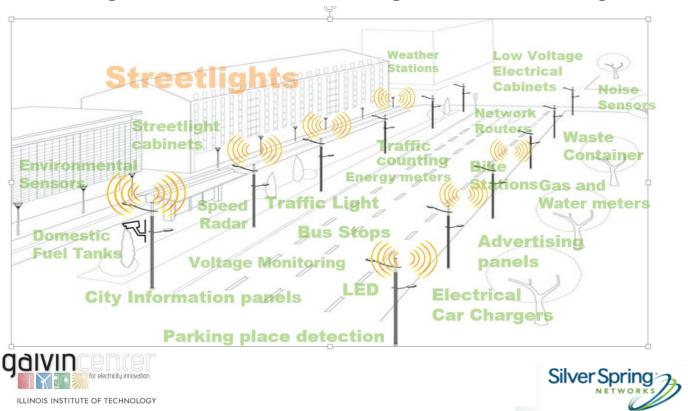
CSMART Lab space

Ensync Battery & Solar Power





Looking ahead: Smart Traffic Lights and Street Lights





Eluminocity







Smart Campus: Collaborative Insights

Partnering Up with IIT - Smart Grid & Renewable Energy Training

Harry Ohde - IBEW #134 Chicago

IBEW-NECA Technical Institute: Your Pathway to a Renewable Future



The Need for Renewable Energy and Smart Grid Partnership

- "Why" Factor
 - Relatively new technology that is expanding on a daily basis
 - So much to develop, learn and educate
 - Educational process starts in the grade schools
 - Impacts from residential applications to 3rd World Countries

Affected

- Local, state and federal governmental agencies
- Designers and architects
- Contractors and installers
- First responders and AHJ's
- Educational facilities
- General public

IIT and IBEW 134 Partnership

IIT University

- 5000 sq. ft. farm
- Farm is used to teach and research sustainable farming method
- Design and install DC solar PV system with energy storage
- Smart Farm that allows data collection AWD device control





IIT and IBEW 134 Partnership

IIT Smart Street lighting project

- Update 200 existing Campus
 Street Lights to LED lighting
- Then Update these 200 LED lights to Smart Street Lights
- IIT project with International Brotherhood of Electrical Workers - Renewable Energy Training Field (IBEW-RETF)



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Danke 谢谢

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Gracias

Thank You

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Спасибо

Obrigado



Merci