Esri Takes Top Award for Internet of Things Innovation

Esri was honored at the TM Forum Catalyst InFocus event for the company's contributions to developing solutions for a more connected world. TM Forum, a global industry association for digital business, presented Esri and partners with the Most Innovative Catalyst Award.

Esri's telecommunications team collaborated with Orange and BearingPoint on the award-winning proof-of-concept project called the Smart Energy Catalyst. The project showcased how a smart home, smart electric vehicle, and smart energy system can work together in an IoT ecosystem with location as a key interaction point.

The alliance is driving toward the ultimate Internet of Things (IoT) ecosystem where you can bring different applications together that are going to make our lives safer, more energy efficient, and much better in the future, said Randy Frantz, telecommunications solutions director at Esri.

GIS technology

The multiphase project examined the infrastructure necessary to support a smart energy ecosystem. With the latest iteration of the Catalyst, the project team demonstrated how geofencing in homes and cars can work with Esri's GIS technology. When the consumer leaves home or work, mobile devices trigger the GIS to initiate a series of notifications and actions. For example, lights in homes automatically turn off, security systems are enabled, and users are notified that their electric vehicle needs charging.

Location provides context to the IoT network. It transforms raw sensor data into useful, actionable information, Randy Frantz said.

Potential

TM Forum's Strategy Committee gave the award to the Smart Energy Catalyst team based on several criteria, including having a compelling and inspiring demonstration; growth potential and business value; and potential for humanitarian or other positive effects on society.

Nearly 200 industry leaders attended the Catalyst InFocus conference, where they explored the organisation's 11 project demonstrations.

TM Forum's Catalyst programme connects diverse companies from across industries, facilitating collaboration and fostering the cocreation of innovative solutions to pressing telecommunications business challenges. Catalysts are member-led projects and demonstrations that both inform and leverage TM Forum best practices and standards including TM Forum Frameworx.

The organisation announces Catalyst Awards biannually. Winning teams leverage proven technologies, competencies, and investments. Teams have six months to develop proofs of concept that outline digital solutions.

In addition to his work on the Smart Energy Catalyst, Frantz accepted a position earlier this year as co-lead of TM Forum's IoT work stream. The endeavour explores how location, advanced sensor and device data, and powerful industrial and consumer solutions can change social norms and bring business into the modern technology framework. TM Forum includes more than 900 member organisations and 85,000 individual members.

Learn more about Esri solutions for telecommunications at esri.com/telecom.