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# Qualcomm and OSIssoft Announce Smart Ballpark Collaboration with San Diego Padres

## -- Qualcomm Edge Intelligent Solutions and OSIssoft PI System Help Monitor Petco Park Facilities in Real-time to Improve Efficiencies and Maximize the Value of their Current Infrastructure --

SAN DIEGO, Aug. 24, 2016 /PRNewswire/ -- Qualcomm Incorporated (NASDAQ: QCOM) today announced that its subsidiary, Qualcomm Intelligent Solutions, Inc. and OSIssoft LLC, are working together with the San Diego Padres to expand the team's efforts focused on reducing overall utility and water consumption and further augmenting its ongoing sustainability efforts. The San Diego Padres are utilizing edge intelligence gateways, powered by Qualcomm® Snapdragon™ processors, to collect data from critical infrastructure systems and stream it in real-time to OSIssoft's PI System in order to monitor utilities, improve operating efficiencies and drive sustainability across the team's entire Petco Park ballpark.

"We are thrilled to be working with Qualcomm Intelligent Solutions and OSIssoft on this project, with the potential to increase efficiencies, reduce operational expenses by more than 25% in the next five years, and support our ongoing efforts to make Petco Park a smarter, more sustainable venue," said Randy McWilliams, senior director, facility services for the Padres. "By using the gateways together with the open data infrastructure, we can see exactly how much water, power and gas each operation uses ballpark-wide, and can work with our operators and tenants to manage usage and increase the reliability and overall performance of the venue."

Ballparks represent one of the most difficult and unusual challenges for facilities managers. They are very large facilities, where the number of occupants can zoom from a handful of employees to full capacity and then back to a handful in a matter of hours. Furthermore, many of these venues were not built with sophisticated instrumentation and control systems to closely manage water or power.

Using the products and services offered by Qualcomm Intelligent Solutions and OSIssoft together, facilities managers can monitor potable, non-potable and chilled water, as well as natural gas and electricity consumption from sensors throughout the park during games or other events. This also allows the Padres to help vendors and/or tenants understand their utility usage and drive toward sustainability goals.

The edge intelligence gateways, using Snapdragon processors, connect to sensors and legacy systems throughout the ballpark using a broad range of communication methods, including wired and wireless technologies, analog and digital inputs and multiple communication protocols. These edge intelligence gateways acquire, store and stream data in real-time to the OSIssoft PI System which then presents the data to the Padres' facilities managers using OSIssoft's Visualization Suite and analytics, providing the operations team with deep situational awareness of everything happening in the venue.

"Qualcomm Intelligent Solutions' approach to creating smarter cities starts with repurposing existing infrastructure, including existing water and gas systems installed in facilities such as Petco Park and other large event venues," said Kiva Allgood, president, Qualcomm Intelligent Solutions, Inc. "With our new edge intelligence solutions seamlessly delivering real-time data to an open data system like the OSIssoft PI System, we can create a model for connected communication networks that can be deployed in existing large scale venues and multi-tenant facilities without the hefty costs of installing new systems."

OSIssoft's PI System is [one of the world's most widely used technologies for the Industrial Internet of Things](#). The PI System captures the data generated by the array of sensors and other assets inside factories, power plants data centers and other complex facility in real-time and transforms it into rich, actionable information streams that people can use to reduce costs, optimize production or make critical business decisions.

"The foundation of the smart city is data, and we are very proud to work with Qualcomm Intelligent Solutions to help the Padres lower costs, drive sustainability and engage the community," said Martin Otterson, senior vice president of sales, marketing and industry, OSIssoft. "The Padres' accomplishments will also provide a guide for others. There are approximately 12,000 stadiums in the world, and many are in regions and cities mapping out plans to use energy and water in smarter ways."

## **About Qualcomm**

Qualcomm Incorporated (NASDAQ: QCOM) is a world leader in 3G, 4G and next-generation wireless technologies. Qualcomm Incorporated includes Qualcomm's licensing business, QTL, and the vast majority of its patent portfolio. Qualcomm Technologies, Inc., a subsidiary of Qualcomm Incorporated, operates, along with its subsidiaries, substantially all of Qualcomm's engineering, research and development functions, and substantially all of its products and services businesses, including its semiconductor business, QCT. For more than 30 years, Qualcomm ideas and inventions have driven the evolution of digital communications, linking people everywhere more closely to information, entertainment and each other. For more information, visit Qualcomm's [website](#), [OnQ blog](#), [Twitter](#) and [Facebook](#) pages.

## **About OSISOFT, LLC.**

OSISOFT creates technology that lets people transform their world through data. Our PI System captures operational data from sensors, manufacturing equipment and other devices and transforms it into rich information streams that can be used to reduce costs, optimize production or make critical business decisions. Worldwide, more than 1.5 billion sensor-based data streams are managed by the PI System. Founded in 1980, OSISOFT has over 1,200 employees and is headquartered in San Leandro, California. For more, please visit [www.osisoft.com](http://www.osisoft.com).

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