

November 2, 2017

## SkySpark® in the News – Recognized for Technology Leadership and Financial Results for Building Owners

With deployments across a wide range of applications, SkySpark continues to be recognized as both a leading edge software platform for IoT applications, and a leading data analytics solution for fault detection & diagnostics and energy management. The articles, research papers and DoE reports highlighted below demonstrate the financial results attainable as organizations use SkySpark to transition to data-driven facilities management.

### Harbor Research Report: SMART SYSTEMS and INTERNET OF THINGS PLATFORMS

Here is a quote from the research paper: *“IoT PLATFORM INNOVATORS - After reviewing and analyzing over 200 so-called IoT and related data and analytics platforms, we have found that there is a distinct minority of true platform innovators in the marketplace. Leading and innovative examples of players working on next generation platforms include Skyfoundry...”*

You can download the Harbor Research report here: [Download Report](#)

### DoE Smart Energy Analytics Campaign, Year One Report

Through the Smart Energy Analytics Campaign, the U.S. Department of Energy’s Better Buildings Alliance, with the Lawrence Berkeley National Laboratory (LBNL), and other key organizers, work with industry to encourage and track adoption of EMIS technology used with monitoring-based commissioning (MBCx) and other energy management processes in the commercial buildings sector.

The year 1 report was just issued and includes numerous mentions of SkySpark and projects that used SkySpark. [Click here to download the Smart Energy Analytics Year 1 Summary Report.](#)



November 2, 2017

## Four of the five participants honored at DOE's Better Buildings Summit used SkySpark.

You can find the DoE published Case Studies at the links below:

### Energy Performance in a Single Site - Salt Lake City

### Best Practice in the Use of EMIS - Sprint in partnership with CBRE | ESI

### Largest Portfolio Using EMIS - MGM Resorts International

### Innovation in the Use of EMIS - University of California, Davis

For full details on the Smart Energy Analytics program, award winners using SkySpark, and information on how to participate, visit the Smart Energy Analytics Campaign Website at: [www.smart-energy-analytics.org](http://www.smart-energy-analytics.org).

**Building Analytics Success Story**  
**Salt Lake City Public Safety Building**

Salt Lake City's Public Safety Building is a prime example of how building analytics can be essential in turning a high performance building design into reality. Opening in 2013, the building was designed to achieve net-zero energy, with annual renewable energy generation equivalent to annual energy consumption. As with any complex high performance building design, it takes time and effort to reach peak performance – and that's where building analytics was essential.

After a year of operation, the Public Safety Building wasn't performing to its maximum capability. Systems were operating to original design specifications but actual electric and natural gas usage was above energy model predictions developed during design. To reach net-zero performance, the Salt Lake City energy team initiated a monitoring-based commissioning (MBCx) project at the Public Safety Building in 2015. MBCx



We were running the air handler as hard as it can go and our gas usage was high – our FDD software helped us find and fix the problems.  
— Cameron Scott, Energy/Utilities Coordinator

**Building Analytics Success Story**  
**MGM Resorts International**

With over 80 million square feet of properties that have undergone extensive renovations over the years, pursuing aggressive energy savings goals is a highly complex undertaking for MGM Resorts International, the Las Vegas-based hospitality company. A variety of building automation systems (BAS) and HVAC nature of the business creates additional challenges in gathering the necessary data for improving and maintaining operations. With a smart approach to building analytics, MGM Resorts is addressing these challenges and reaping significant savings.

MGM Resorts has achieved significant operational energy efficiencies through retrocommissioning (RCx) projects, but encountered two main challenges:

- Operational improvements can degrade over time
- RCx, built on a manual investigation process, is hard to scale across a large portfolio quickly.

In 2013, MGM Resorts decided to augment their RCx efforts by installing fault detection and diagnostic (FDD) software. Now properties are now equipped with FDD.



When issues arise involving major HVAC equipment, the first call is to the EMIS team to diagnose in the EMIS system. This process helps maintain guest comfort, decrease avoidable service calls and ultimately unnecessary equipment replacement.  
— Chris Magee, Vice President of Sustainable Facilities, MGM Resorts International

**Building Analytics Success Story**  
**Sprint Headquarters**



In 2014 Sprint decided to invest in energy analytics for the HVAC systems in their headquarters campus in Overland Park, Kansas. The HVAC systems were well-maintained, but the facilities staff advocated for more advanced tools to help uncover additional energy savings and improve operations. Investing in an energy management & information system (EMIS) has paid off for Sprint, as they embedded performance tracking in everyday operation of their buildings to cut annual energy waste by over \$400,000.

Sprint uses Fault Detection and Diagnostics (FDD) software to detect HVAC faults and continuously analyze HVAC operations.

Sprint's FDD software:

- Automatically detects performance problems
- Helps prioritize issues based on cost impact
- Helps visualize the frequency and duration of the fault

In addition to identifying specific system faults, Sprint wanted to ensure they fully captured the true energy

Sprint's EMIS can identify issues we didn't previously know existed, so we can address them before they become a problem, saving money and providing better comfort for our associates.  
— Darel Carter, Sprint Enterprise Energy Manager



To learn more contact us at:  
<https://skyfoundry.com>