

SOFTWARE DEVELOPMENT PROJECT BOOSTS RESULTS

ABOUT BOSS CONTROLS. BOSS Controls LLC is a 2012 start-up company, located in Allegheny County, that designs and sells innovative WiFi technology solutions (Smart Plugs) to a wide range of commercial enterprises, universities, school districts and government. BOSS Smart Plugs give customers control over plug load which in turn, results in upwards of 50% in energy savings.

THE CHALLENGE. In this high technology environment, BOSS Controls needs to keep up with the latest developments in control systems and demands of their customer base. The version of the cloud-based platform, Atmospheres®, had limited ability for the multiple smart plugs to be controlled in groupings such as all plugs on the floor of a building or all plugs connected to copier machines. BOSS Controls was also seeking tools to show potential customers the cost savings associated with installing their products. They contacted Catalyst Connection (part of PA MEP and a NIST MEP affiliate).

MEP CENTER'S ROLE. Utilizing grant funds, BOSS Controls was able to upgrade the Atmospheres® software to create a virtual ecosystem between controllers, sensors, web and mobile interfaces, cloud hosted data and controls logic. Catalyst Connection's Anna Mancuso, PMP, managed the project with local developer, B-Three Solutions. Catalyst also worked alongside a partner on the redevelopment of the BOSS website, which includes a new energy savings calculator.

"We were very grateful and pleased to have Catalyst Connection assist us with the software upgrade project and update of our e-commerce platform/website. They have deep knowledge about manufacturing and business processes that is helpful for any company."

-Dan Brailer, Chief Operating Officer

RESULTS



New product/Smart Plug capabilities with ecosystem controls



\$60,000 company investment

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