

J2 Innovations, A Siemens Company, invite HVAC equipment industry to debate and view their role in smart buildings differently at AHR Expo 2022

- HVAC manufacturers should take advantage of the opportunity to expand their influence beyond the equipment, expanding to holistic plant room and building management
- Time is ripe for HVAC manufacturer to look at a building holistically to drive down energy use and costs, especially in the 80% of commercial buildings that have no building automation software
- Installer ready systems based on plug&play commissioning key to success

At this year's AHR Expo, [exhibitor J2 Innovations](#) will be asking HVAC manufacturers to seize the opportunity to make a significant impact on buildings' energy profiles. Currently, HVAC accounts for 45% of total building energy consumption, with 65% of this in the plant room alone¹, so optimizing and controlling the plant room holistically provides outstanding savings. J2 believe that manufacturers should go far beyond optimizing their own equipment and expand to controlling the entire plant room as well as the supply and demand of other building systems.

¹ Source: US Department of Energy (DOE) Office Building environment, DHW minimal requirements provided by the main boilers through a heat exchanger. Boiler plant and pumping assumed to be a separate system.

“With HVAC being the largest consumer of energy within a building, it makes sense that manufacturers of HVAC equipment can lead from the top down to reduce energy across a building.” says Alex Rohweder, CEO, J2 Innovations.

“With approximately [80% of all commercial buildings](#) without a building automation system, there is huge scope for HVAC manufacturers to not only manage and optimize their own equipment, but ancillary equipment too - either managing the plant room or the whole building. For example, there is no reason why HVAC manufacturers cannot extend into managing 3rd party room controls, metering or even lighting, providing the market with a much easier way to acquire integrated BMS type functionality, without the cost of custom engineering.” Rohweder continues.

Leveraging J2's open edge software platform, [FIN Framework \(FIN\)](#), is one way that manufacturers can maximize their own plant equipment and start looking beyond the plant room. FIN is already utilized amongst others by Italian HVAC manufacturer Clivet SpA (a Midea Group company) in their highly specialized plant room control system, [Intelliplant](#). As well as providing energy savings, FIN was chosen as it provided Clivet with the freedom to continuously improve solutions throughout their lifetime due to the fact that it is open software which allows to continuously provision new apps to the system, along the entire lifecycle.

Although J2's software is ideal for OEMs to integrate into their products, those that will install the final product are not forgotten. The HVAC installer community should also be supported by providing technology which is easy-to-use and requires little specialist skill. For example, FIN Framework has applications that include wizards for a plug&play set up so that installers can easily integrate a FIN-based solution to successfully manage and optimize a building with little fuss or cost.

“This year, we’re throwing down the gauntlet to HVAC manufacturers – they provide the equipment, and we will provide the software solution to help them. We’ve packaged up some key apps into suites so that manufacturers can customize and extend to other building applications for a holistic building management solution that comes with the plant room, and not separate from it..”

Rohweder concludes: *“It’s clear that climate change, tighter legislation, increasing energy costs and the demand for sophisticated automation is putting pressure on the entire industry, but together with J2’s software, we can work to make buildings more sustainable. The team and I will be at AHR and would welcome a discussion on how we can help you make an impact.”*

J2 Innovations will be at AHR Expo on Stand C6610

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About J2 Innovations

J2 Innovations is a fast growing, innovative software technology company based in California. They are the creators of the FIN Framework (FIN), a state-of-the-art open framework for smart buildings, smart equipment and IoT applications.

About FIN Framework (FIN)

FIN is a next-generation software framework for smart buildings, smart equipment and IoT applications. FIN can integrate, control, manage, analyze, visualize, connect, and can be embedded on a controller, gateway, HMI or server. FIN Framework offers OEMs, System Integrators, and end user solutions that are faster, easier, and better.

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