DataArt and MMB Networks Collaborate to Create On-Demand Utilities Response Program

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DataArt has announced its collaboration with MMB Networks to create a ZigBee Smart Energy gateway for utility customers. DeviceHive, DataArt's open-source cloud-based Machine-to-Machine (M2M) communication framework, bundled with MMB Networks' ZigBee modules, were used to create a platform that enables utilities to implement their demand response programs and allows customers to remotely control their thermostats.

Using MMB Networks' RapidConnect ZigBee Smart Energy modules and DeviceHive's cloud-based API, DataArt's team connects mobile devices to a ZigBee Smart Energy thermostat over a ZigBee gateway, linked to the cloud. By developing messaging protocol and communication libraries, DeviceHive alleviated the time consuming burden and empowered the team to focus on rapid creation of an optimal user interface and thermostat commands for utility customers.

The DeviceHive framework provides a layer of communication for the queuing and delivering of commands between applications and embedded systems. Its easily customizable API makes it accessible for a wide community of developers and startups.