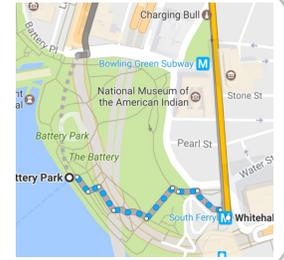


When it comes to designing an IoT solution, the sky is the limit. Here are a few concepts to get your creative juices flowing, and give you an idea of the amazing range of options we offer.

Real-Time Vehicle Tracking With Boundary Alerts & Waypoint Time Checks

Managing a fleet of delivery vehicles can be a logistical nightmare. On-time delivery guarantees mean you have to be certain your drivers are always in the right place at the right time. But who has time to watch their every move? Let us solve all your problems by designing a custom IoT sensor that incorporates GPS tracking with affordable cellular reporting, and coupled with a custom cloud analytics engine that alerts you if a driver deviates off their assigned route, or is late to a waypoint.



Advanced Power Sensing and Infrastructure Control

We call this the “last one out, shut off the lights” model. Your IoT device actively monitors the PCs in each department, and when everyone in a room has been logged off for more than a few minutes, the device triggers the lighting controls to dim, coordinates with the HVAC to go into setback mode, and activates the access control system to lock the doors.

Temperature Monitoring & Alerting

In a large, commercial kitchen, it can be very difficult to ensure consistent quality with so many staff members accessing the freezers and refrigerators. Installing a cloud-connected, Wi-Fi enabled, battery powered temperature sensor in each unit solves that problem nicely. Temperature graphs can be viewed in the cloud, and any time a unit gets warmer than a certain temperature for longer than desired, an automated alert can be generated.



Sensors

Temperature, Humidity, Barometric Pressure
Soil Water, Power/Current, Motion, Presence
Images (Video/Still), Sound/Audio, Bar Codes
Ambient Light, many, many more

Control

Power (Low/High), Motors, Condensers,
Lighting, Audio, Access Control, Networks,
HVAC/Building Automation Systems,
many other interesting and varied devices

Communication & Data Storage

Wi-Fi, Wired, ZigBee, LF, UHF, Cellular
Data can be sent in real time, or queued for
delivery on battery-saving schedules, or sent
opportunistically as connectivity is available

Solar-Powered, Temperature, Humidity, & Soil Water Tracking



Large corporate campuses can be tricky to manage, when it comes to keeping every single blade of grass green and healthy. It would be much easier with an array of solar-powered/battery-backed devices that measured temperature and humidity in the air, and water content in the soil. Add in GPS tracking and cellular connectivity, and you would have an

automated map of all sensors (even if they were manually moved) and the ability not only to track environmental parameters, but also to be alerted of any extended dry spells.

Give us a call to discuss your idea for a custom IoT solution!

We make it easy, from the very first discussion. Discussing the idea and the various options will help us figure out the general direction you're going. Once we have that, we can start to put together a rough outline of the project plan, expected budget, and general timeline. Your approval is then all we need to get started with the mechanical and electrical design phases, which lead to production of one or more prototypes. Any bugs and flaws can be fleshed out in the beta test stage, and when everything is just perfect, we arrange for production of the final devices. You'll end up with a custom solution to fit your exact needs, backed by our world-class cloud, accessible through your custom web or mobile app!

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