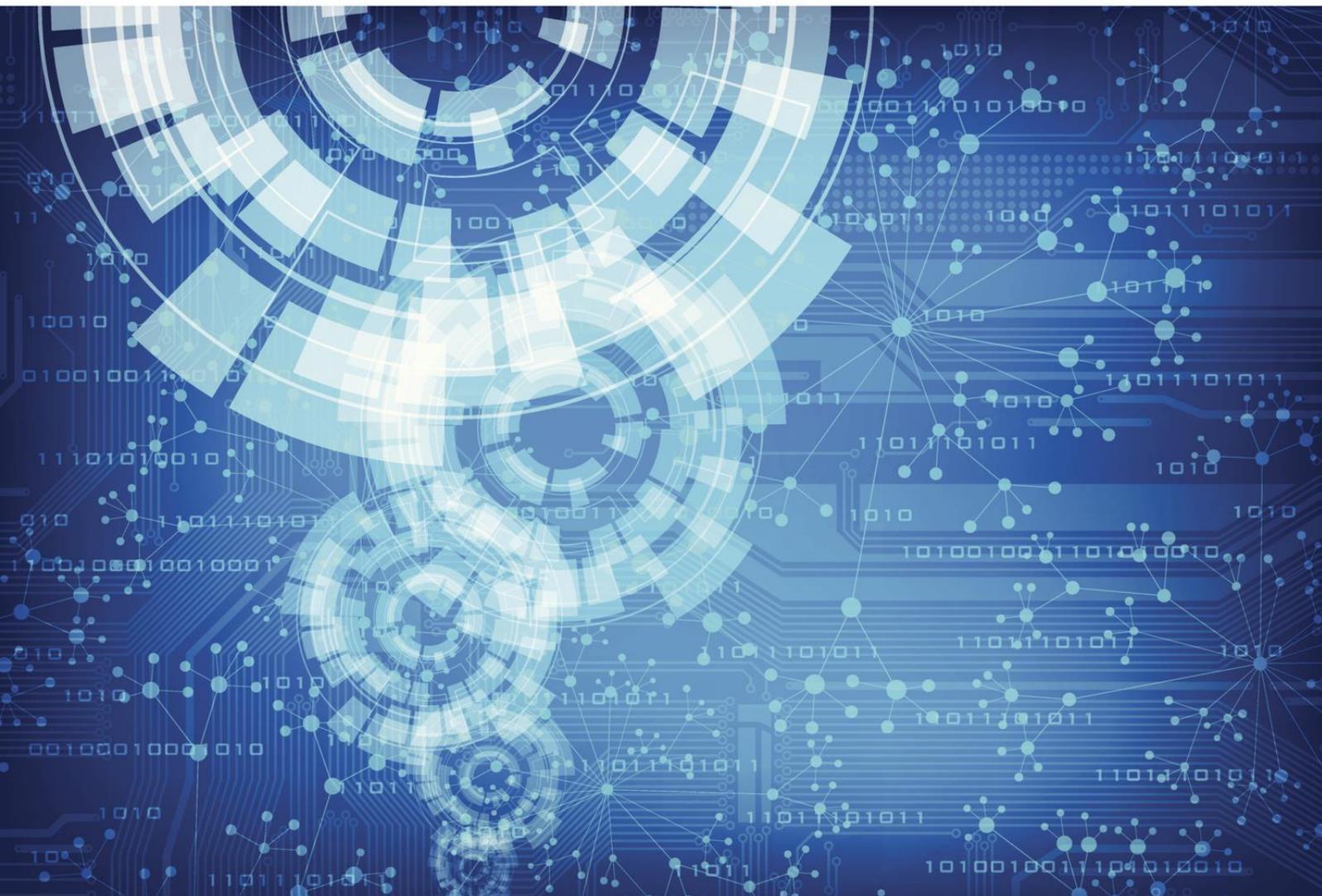![Sensor Industries logo]

SensorIndustries

Conserving Water, Lowering Cost and Increasing NOI

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"**Sensor Industries** is a leading internet of things company bringing new operational efficiency, increased Net Operating Income and water and energy conservation to owners and residents of multifamily communities and commercial properties. Our proprietary **SI-Mesh** wireless network is specifically designed to power networks of sensors capable of monitoring a wide array of environmental conditions and building systems' performance. Access to this vital data lowers costs, reduce risks, and provides new revenue opportunities to the property owners while simultaneously enhancing the occupancy experience for the tenants."

SI-Data

What is SI-Data

A **Sensor Mesh** is created through a combination of hardware components consisting of sensors, repeaters and a device that connects to the Internet. This hardware is made functional by a radio network transmitting and receiving software application that gathers the sensor data and feeds it through the Internet to a database that processes, stores and manages the data generated by the sensors. Sensor Industries, has developed our own multifunctional database, **SI-Data**, to organize, store and create alerts on the data generated by our sensor mesh systems.

Depending on their function, sensors can create a tremendous amount of data as they monitor their environment. Typically, they are either feeding an almost continuous stream of data or they are sending specific events. Even those that send specific events periodically report in to SI-Data that they are operational. A sensor mesh database must be designed to store this ever expanding amount of data.

Using the unlimited processing and storage capabilities of the Internet Cloud, we have been able to structure SI-Data specifically to address the type of data coming out of our multifamily focused, smart home technology sensors. Further, the architecture of SI-Data will allow us to continually add different sensor types and the different types of data that these new sensors will generate.

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Active Notifications & Reports

One of the most important aspects of a sensor mesh database is that it has the functionality of being able to analyze the data stream that comes in and recognize data generated by events which may need to be acted on by property management. **SI-Data** sorts events which need action into two categories; the first are events which require scheduled maintenance; the second are events on which management may wish to act immediately.

When **SI-Data** recognizes an event that requires scheduled action, it stores it in the general database but also puts it into a separate report which can be pushed out to management daily, weekly or in whatever periodic timeframe management desires. When **SI-Data** recognizes an event which may require immediate action it can send the details of that event via e-mail and/or text message to predetermined recipients so that a management response decision can be made.

All of the sensor generated data which is collected and organized by **SI-Data** is available for management reports and downloads. This data can be included in push reports which are automatically sent to the property management periodically at set intervals. It can also be organized into timeframe real-time reports which can be viewed on screen or easily downloaded in Excel format for further management review or manipulation into charts, graphs or custom reports.

If information is being collected to create individual water use profiles of the tenants for water use/cost allocation purposes, the pertinent data can be downloaded through custom interfaces into the property management system or to a third party, ratio utility billing service.

In summary, **SI-Data** is a cutting edge, sensor mesh database with unlimited capacity to expand and adapt to the ever-growing demand for smart home technologies for multifamily communities.

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