Solar Farm Virtually Eliminates Change Orders with DIY
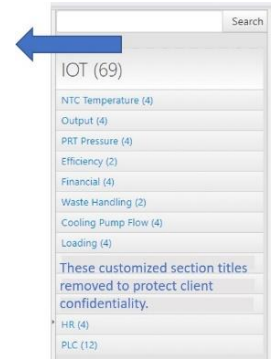
Using the Agylytyx Generator's built-in IOT Construct Library, field solar farm operations personnel design and edit their own dashboards and reports on the fly, saving hundreds of thousands of dollars and thousands of man hours.

Solar far field personal were responsible for plant output. This meant they were responsible for monitoring everything from solar panels to substations to SCADA systems. At the corporate level, the sheer volume of facilities limited visibility to energy output levels of each facility. They relied on their field managers for maintaining adequate output.

Field managers relied on visual inspection of the most granular components. When it came to systems which they were unable to monitor visually, they typically relied on vendors to design monitoring systems. These vendors were notorious for holding the solar farm "hostage" such that every alteration, no matter how small, became an expensive change order. These change orders usually required approval from the corporate office and took several months.

Our client was initially wary of adding another vendor. When they found out they could use the Agylytyx Generator's built-in IOT Construct Library to let field managers design their own monitoring systems, they were sold.

We found that it took us only one day of onsite training to make field managers "power users" of the Agylytyx Generator. The field managers already knew how to use web browsers. We were able to show the hard hat crew how to find the things they needed to make their own reports and dashboards. They realized they could look at the IOT Construct before they added it to a report or dashboard.

Field managers appreciated being able to add or remove these built-in building blocks to a report or dashboard with one click. They especially appreciated the extensive guidance which their Corporate office helped us create for the Constructs themselves. The Corporate office did want to customize their Construct Library and ensure maximum governance. To customize, deploy and train for the Agylytyx Generator took less than one month.

Best of all, these users were able to maximize their productivity by editing the dashboards anytime. They could create as many dashboards as they want. They were able to choose to drop out elements, rename dashboards, or reorder the components found in their reports or dashboard. They found this flexibility enabled them to eliminate change orders completely.

No longer was our client hostage to the lengthy and expensive change order process which was costing them months and hundreds of thousands of dollars. The Agylytyx Generator was able to replace most of the monitoring components which had been in place at this solar energy generation facility.