

Know about SKIoT

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SKIoT Technologies Pvt. Ltd., incubated at iTIC, have developed an IoT-enabled 3-phase Power Monitoring solution for the industrial sector with real-time data visualization, analysis, and alerts. It measures 3-phase voltages and currents with help of non-invasive sensors and calculates different electrical parameters like power factor, active, reactive, apparent powers & energies, harmonic distortion, etc. These parameters along with the measured three-phase voltages and currents are transmitted over wifi to remote cloud servers for data storage and further analysis.

In India, the majority of Small & Medium Scale Industries are set up with older electrical infrastructure and thus can not take advantage of the recent IoT developments. The awareness about how IoT technology can be easily utilized is missing in most small-scale industries. In case of issues like capacitor bank failure, power factor disturbances, exceeding maximum demand, etc. many industries come to know of these only when the next electricity bill arrives. With the help of this IoT-enabled Power Monitoring

device, they facilitate this fault identification and alerting service to these industries.

They have recently procured a contract from AP State Energy Conservation Mission (APSECM) for deploying their devices in all the districts of Andhra Pradesh. Currently, the team consists of 5 members, including 3 founders. They come from a diverse background in embedded development, wireless communications, machine learning, data science, and electronics product development. In the last two months, they have deployed these devices at 40 industries across 8 districts of Andhra Pradesh, covering wide varieties of industries like fisheries, rice mills, food processing units, iron casting units, plastics, and packaging units.

SKIoT is incubated at i-TIC and has been supported by the NICE program. They have received support in terms of mentoring, co-working space for their team, and financial aid from the NICE program and HDFC startup grant.



Fig. 14 SKIoT Flagship Product an IoT-enabled 3-phase Power Monitoring solution for the industrial sector

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