Success Stories

INDUSTRIAL WATER QUALITY MONITORING FOR FMCG

INDUSTRY

FMCG

LOCATION

UNITED KINGDOM

PRODUCT USED

FOWING IIOT PLATFORM
ANALYTICS STUDIO
FOGWING IOT KIT

::: fogwing®

THE CHALLENGE

Our client was looking for a water quality monitoring Solution to investigate the present state of water available inside their plant, used for food production.

To conquer challenges concerning careful monitoring of water quality to ensure process reliability, allowing any variations to be quickly identified and resolved. The parameters being monitored can include pH, conductivity, oxidation-reduction potential (ORP), Dissolved Oxygen (DO), residual chlorine, turbidity, salinity, Ammonia Nitrogen Ion and chlorine content, as well as temperature and flow rate.

SOLUTIONS

To deliver a solution that can improve manufacturing reliability and meet the future needs of the facility, food, and beverage manufacturers, we at Factana built a custom IoT Water Condition Monitoring solution to monitor the water quality with industry grade sensors for accurate data collection. After implementation, one week of training led to the transformation of the manufacturing unit to become digitally connected. All employees were equipped to use the IoT based water monitoring solution. One of the main objectives of Factana was to extend the implementation of our solutions to all part of the manufacturing unit.

BENEFITS

- No Code IIoT Platform enables easy management IoT connectivity and visualizing of the data, enabling quicker and better decision making
- Continuous monitoring of the water quality, gaining greater visibility with real-time information needed to foresee and resolve problems long before they become a compliance issue
- Production plant operators can utilize the information to identify inefficient processes and improve them as they are provided with the ability to make data-driven decisions.
- Reduce operational cost with real-time monitoring, consistency in the water quality could reduce water surcharge fees or permit fines