CASE STUDY

Industrial water solutions provider improves operational efficiency with Octave's design solutions

Key facts:

Company: Kurita Water

Website: www.kurita-water.com

Industry: Water

Country: Japan

Octave products used: Forte 3DWorx *(CADWorx Plant Professional)*, Facets P&IDWorx *(CADWorx P&ID Professional)*

Key benefits:

- Advanced functionality tailored to the small-to-medium plant market
- Ability to customize solutions for interoperability with in-house systems
- Cost return on initial investment

Kurita Water is an advanced water and environmental management company, providing water treatment chemicals and facilities as well as process treatment chemicals including development, design, manufacturing and maintenance.

Since its establishment in 1949, Kurita Water Industries Ltd. (Kurita Water) has been one of Japan's leading water and environmental management companies. Over the years, its corporate philosophy has evolved to include a commitment to conducting research into the essential properties of water, in order to search for and add new value and functions to water, thus helping to maximize Japan's use of this natural resource.

As part of this philosophy, Kurita is shifting its activities from the treatment of water to give basic support to industries and people's livelihoods, to the creation of water to harmonize human society with the natural environment. In addition, Kurita Water supports soil and groundwater remediation, chemical cleaning, tool cleaning, water quality analysis and environmental analysis. The company will continue to offer advanced water management that no other party is able to provide by integrating all its technologies, products and knowledge; and by making the most of its synergy for the benefit of customers in East Asia, Europe and the Americas.

Identifying goals

Once Kurita Water had expressed its ambitions to lead international water industry into a new age, it was clear that the company would require the latest and most innovative solutions to support its internal processes. To date, the company had successfully used a combination of Microsoft Office tools and software developed in-house to manage its design requirements and material purchasing. However, the Global Engineering Center in Kurita Water decided to evaluate design solutions specifically tailored to the needs of the small-to-medium plant market to meet its changing needs.

A strong requirement was that any new integrated design solutions be able to work alongside Kurita Water's existing in-house systems.

"Forte 3DWorx Design Suite solutions were the best fit for our company's requirements, specifically those related to functionality and customization."

Takashi Kurita
Design Quality Improvement Section Manager, Kurita Water

Overcoming challenges

After considering the solutions available on the market, Kurita Water decided to purchase three seats of Forte 3DWorx and 70 seats of Facets P&IDWorx.

"Forte 3DWorx Design Suite solutions were the best fit for our company's requirements, specifically those related to functionality and customization," said Takashi Kurita, manager of the Design Quality Improvement Section of Kurita Water's Global Engineering Center.

"We were also satisfied that Facets P&IDWorx would offer us significant cost return on our initial investment with 70 seats," he added.

Kurita Water's initial focus has been on boosting operational efficiency and quality by improving the process of generating process and instrumentation diagrams (P&IDs).

Realizing results

The full results of this project are still under evaluation, but the initial indicators have been very positive, according to Takashi Kurita.

"Facets P&IDWorx has offered everything we need for the easy creation of intelligent process diagrams, specification-driven P&IDs, industry standard symbols and project document links with in-house applications," he said.

"Our overall aim is to improve better operational efficiency and quality than ever by using Facets P&IDWorx."

The company's designers have also been impressed by Forte 3DWorx's ability to be customized for seamless interoperability with in-house systems.

Moving forward

Kurita Water is looking forward to expanding the company's usage of the Forte 3DWorx Design Suite solutions.

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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