

Attachment Kurita Innovation Hub (KIH) Facilities Overview

KIH consists of the Technology Innovation Center (TIC), which has R&D facilities such as laboratory equipment, analytical equipment, and water treatment facilities, and the Technical Education Center (TEC), which has a combination of functions such as an area introducing the Group's business and training equipment. The outline of the main facilities at each center is as follows.

◆ TIC

• Laboratory

Rather than being arranged by organization as was done in the past, the laboratory is configured by function, and is equipped with state-of-the-art laboratory and analytical equipment. Glass barriers are used to divide the work area from adjacent areas which increases visibility so that research and development can be conducted in an open environment. In addition, a collaborative space for cooperative research with customers and research institutions is provided to promote open innovation.

• Clean room

The clean room boasts the same cleanliness level as those used in the electronics industry, where state-of-the-art semiconductors are manufactured. We have adopted a fan filter unit air conditioning system and operation and management method that reduces power usage by half compared to the past.

• Ultra-pure water production systems • Wastewater treatment systems

The ultra-pure water production systems have two lines, one dedicated to utilities and the other for development such as technology demonstration, ensuring both the stable supply of ultra-pure water at KIH and convenient use for development. In addition, in order to reduce operation and management costs, we have introduced the latest manufacturing system with variable control of water. For wastewater treatment, we have introduced state-of-the-art technologies such as the standard wastewater reclamation system "CORR™ System" that can collect 80% of the water used within KIH.

• Office space

In order to make the interaction between employees more active than ever before, the office design adopts ABW (Activity Based Working), and employees can choose their location and the equipment they will use according to the work activity.

• Exterior

The exterior is an abstraction of "piping" used for water treatment systems and gives a beautiful appearance that changes in various ways depending on the local time and weather. In addition, some parts of the exterior function as piping for the building.

◆ TEC

• Training Center

TEC has facilities that can provide basic technical knowledge and skills training on water treatment chemicals, water treatment facilities, and maintenance, and TEC is responsible for core training centering on the Group's technology. It provides hands-on exercises using real equipment, handles efforts to improve our response to problems by reproducing abnormalities in systems and equipment, and gives safety education. Going forward, TEC will develop and implement training programs for human resources who will be responsible for water treatment operation and management in response to requests from customers and external organizations. The first floor of TEC is equipped with water treatment systems for training, and you can see trainees learning using the actual equipment from both inside and outside the facility.

• Exhibition area

In this area visitors can visualize and experience the history of our Group's business and technology, and the process of creating value for society and customers through water treatment. The exhibition area consists of "Kurita History," which uses projected videos and graphics to introduce the history of value creation at Kurita as a company that has responded to the demands of the times through water; "Kurita Theater," which introduces the nature of "water", the Group's core business area, as well as Kurita's relationship with people's lives through water treatment, industrial and social contributions, etc.; and an area that introduces the Group's core and applied technologies and solutions related to water and the environment through models, AR, and dioramas, etc. In addition, we have set up tours of this area and some TIC facilities, and visitors can see the actual equipment and development work area.

- Light show using tank-shaped LED displays

The training water treatment systems on the first floor of TEC features three-dimensional LED displays shaped like tanks that show a variety of short movies about water. In addition, in conjunction with the short movie, you can see the entire water treatment systems glowing as it transforms into a single life form from both inside and outside the facility.



▲ One scene from the movie shown on the tank-shaped LED display



▲ Light show tanks

[Reference] Kurita R&D Symbol Mark



[From One Drop, To Earth.]

This is the symbol of the Group's R&D activities. At the top is a drop of water in Kurita's brand color. Below, the Earth is depicted in a variety of connected gradients. Kurita R&D is committed to creating a bright future for this planet by extending the small drops created by R&D to large-scale global solutions by harnessing diverse human resources and multiple internal and external knowledge connections.

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