

KAJIMA'S PMP FACTORY ENGINEERING

By utilizing technologies and certain achievements in pharmaceutical facilities, as well as technologies and expertise in plant factories, we will implement the production of useful substances by genetically modified plants.

Pharmaceutical Engineering

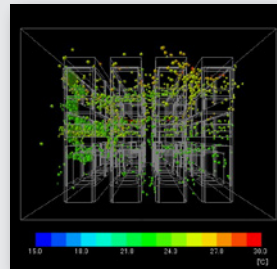


- Clean room (class100~100,000)
- GMP compliance
- Room pressure control
- Validation support

KaMoS® (Kajima Modular Facility System)
A new modularization technology for biopharmaceutical manufacturing facilities

Cultivation environment techniques

- Optimization of plant cultivation environment
- Control of cultivation environment (light, temperature and humidity, air flow, CO2)
- CFD simulation for the facility and equipments planning

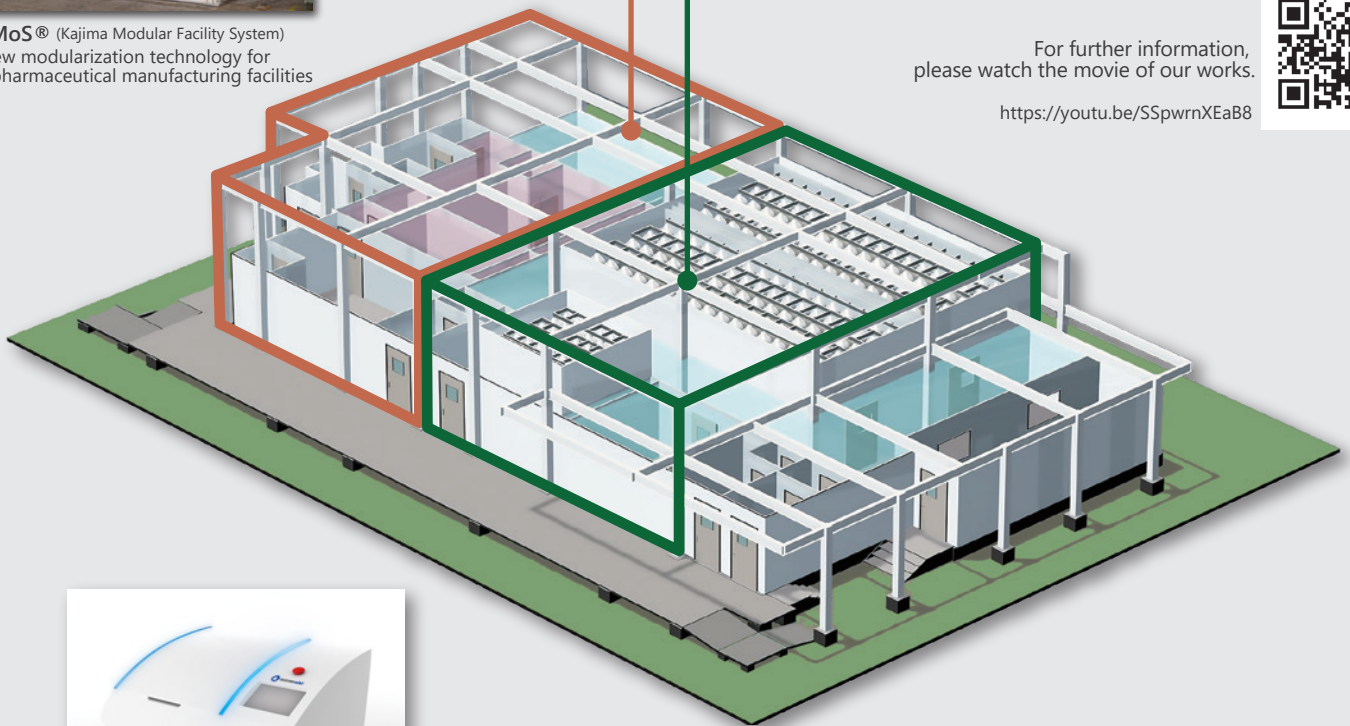


Visualization of predicted cultivation environment

Realization of uniform cultivation environment by advanced simulation and HVAC technology

For further information, please watch the movie of our works.

<https://youtu.be/SSpwrnXEaB8>



BUSTER MINI®
Bio-waste Decontamination System for viruses and bacteria using technologies patented by Kajima

Modified gene containment techniques

- Airtightness of the facility and control of room pressure
- High performance filter treatment for exhaust system
- Continuous bio-waste decontamination system
- Introduction of operational management manual

