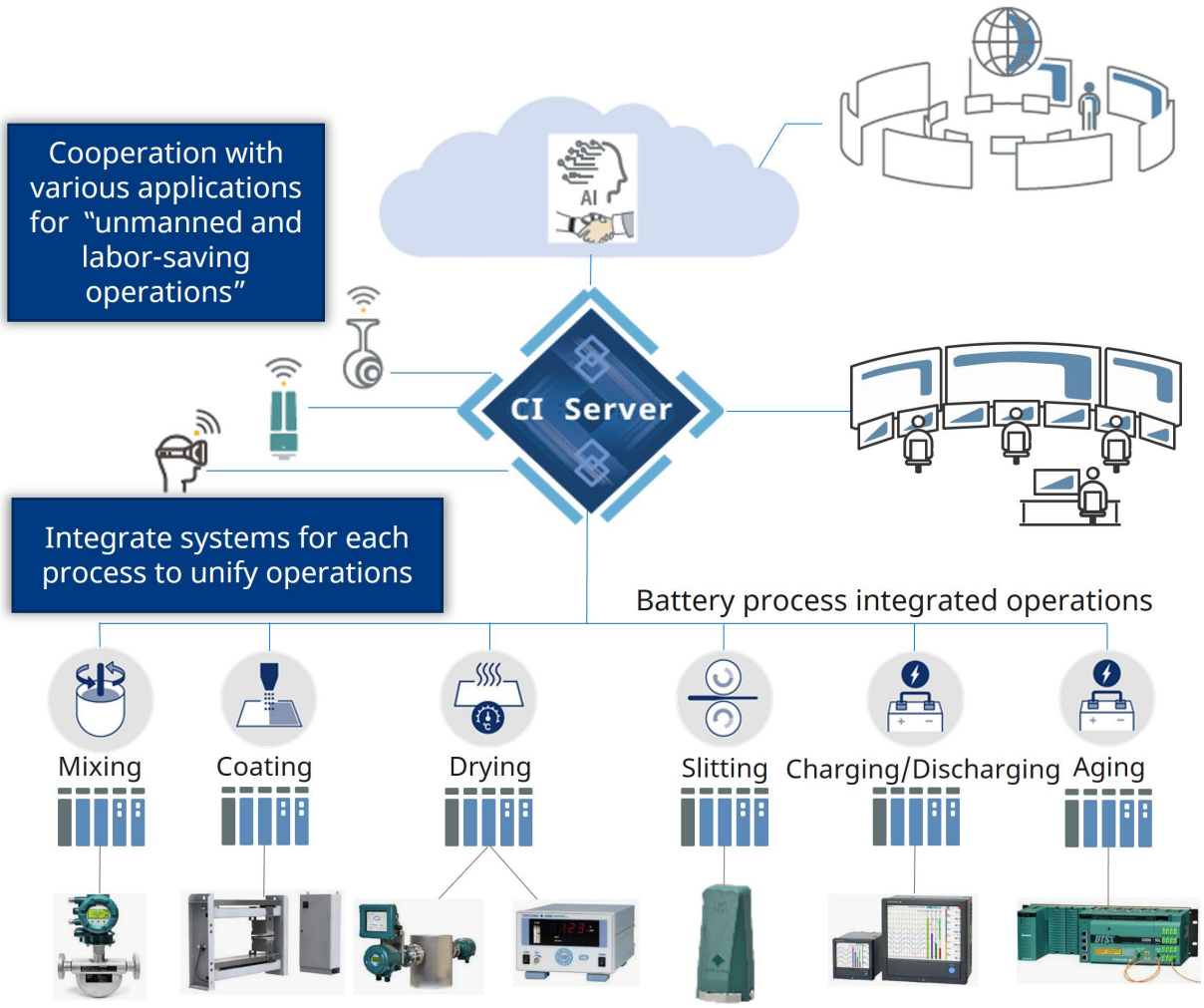
YOKOGAWA
Co-innovating tomorrow™

Integrated battery plant operation with total optimization realized by the Collaborative Information Server (CI Server)

Yokogawa's solution

The Collaborative Information Server (CI Server) integrated data from various systems and facilities within the site.
By utilizing the necessary information from the integrated data, each engineer such as equipment maintenance and quality control departments in a remote environment will support **"quality assurance" "energy saving" "production efficiency improvement" "Data management"**.
Furthermore, will work to link with various applications such as robots and AI for unmanned and labor-saving in the future.



Battery plant integrated operation with optimization realized by Collaborative Information Server : CI Server

Realize better operations by optimizing overall production throughout the site and plant

Data integrated by CI Server is not only useful for integrated management, but can also be used to **quality assurance**, **energy saving** and **production efficiency improvement**.
By linking quality improvement systems, data analysis applications, etc. in the unified format of the CI Server, the data accumulated over a long period of time by the Integrated Information Server can be automatically reflected and utilized in those systems and applications.

Understanding the entire production site by integrating various facilities, systems, and devices.

CI Server supports various communication standards and not only can acquire process data from the control system, but also aggregates operational data such as the operating status of facilities and equipment, inventory of raw materials and finished products, and energy consumption.
Data can be collected not only from our systems and equipment, but also from other vendor's system and equipment, enabling data integration not only within a single plant but also across multiple plants.

Remote operation to support efficient operation and productivity improvement throughout the battery plant

1. Remote operation monitoring
The operation and monitoring screen supports HTML5, and monitoring and operation can be performed with a web browser even from a remote location.
In addition to PCs, it is also compatible with tablets and smartphones, making it suitable for remote operation.
2. Remote engineering
As long as you have an environment that can display a web browser, you can perform engineering from a client terminal in a remote environment without installing a special program.
In addition, multiple engineers can simultaneously perform engineering on the engineering database from local terminals and remote terminals, so engineering work can be done efficiently.

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