

OPERATIONALIZING DATA TO OPTIMIZE PROCESSES AND PRODUCT QUALITY

With Arcstone's solutions, a Fortune Global 500 pharmaceutical company is empowered with powerful analytics capabilities to manipulate Process Control System (PCS) data effectively while reducing the manpower needed.

Challenges

The client was reliant on an archaic PCS to operate the manufacturing facilities in Singapore. In the production of advanced biomedical products, there is a need to manipulate the highly complicated and disorganized data of PCS for statistical analysis and management use. Without operational insights, the process efficiency and products standard were sub-optimal.

Our Solutions

Through the consultation process, Arcstone understood the technicalities of the PCS and all the interconnected systems used by this pharmaceutical multinational in its Singapore plant. With Arcstone's modular *arc.ops*TM platform that allows for maximum customization without compromising on speed or quality of delivery, Arcstone took only four months from the first consultation to project completion.



Interpreting and Parsing PCS Data



Designed a backend program that read real-time data from the PCS that could be integrated with third-party statistical software and other systems.

Presenting Information Intelligibly



Implemented a customized, intuitive, point-and-click graphical user interface, based on the existing *arc.ops*TM. This minimized training and adjustment time to the new system.

Building Analytical and Statistical Tools



Statistical modules could analyze production data which allowed optimal conditions to be identified and reproduced.

Integrating the Tools with Existing ERP and PCS systems



Integrated solutions to existing platforms to complement the inadequacy of legacy platforms with Arcstone's strategic functions.