

THE CHALLENGE OF MANAGING PLANT OPERATIONS



Connected Worker – Asset Information Management

The Asset Information Management program brings together all plant details into a unified interface, so there is one source of accurate information in the field. This increases safety, reliability, and productivity. It means employees are not ordering the wrong parts based on old information or having to expedite delivery on a part because the original specs were incorrect.

"When I was a process engineer, it was always a struggle to find the right information for the right pumps at the right location.

"Many times, it is a paper document and they may not be up-to-date or there are duplicates. And, for example, you have to look in multiple places to make sure you are ordering a certain impeller for a certain pump, but when you have three or four different versions of the same information, it makes things more difficult."



Jason Gislason

Chief Digital Officer, Chevron Phillips Chemical



The value of the asset information-management system is consistency. CPChem has better insight into its equipment and can share the information across all of its sites. It supports procurement, engineering, operations, and maintenance in the field so they can be confident in executing a project.

The company implemented the first asset information-management configuration and systems in one plant before rolling it out in other facilities. The initial feedback is positive, and the improvements will soon simply be how team members manage day-to-day operations. Designed with the end-user in mind, the system is focused on how the organization makes decisions and how information needs to be displayed.

CPChem has already seen a 20 percent reduction in on-call operator rounds and a 4.5 percent decrease in the minutes of work required per permit request.

"We are really just getting started on this but there are many examples of where we have experienced problems and now we are able to resolve them earlier in the process to avoid extra time or costs associated with the workarounds," he says. "Why not make sure that you do it accurately and correctly the first time with all of the equipment that you have so you don't have any mistakes? We think it is extremely valuable to the company but we are just getting started."

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