Digital Shutdowns

By Maximl Labs Private Limited | Category: Most Innovative Supplier

SyncOps is a cloud-based platform for real-time monitoring of large scale industrial projects. It intelligently connects the senior management, planners and people on ground (contract workers, field executives etc.) and enables them to communicate and collaborate in real-time through rich media. Its primary focus is the digitization of knowledge, work and real-time analytics in projects. It also enables significant improvement of the on-field compliance of critical-to-quality and safety procedures. It enhances safety on the shop floor with features like Digital ESI (Energy Source Isolation) and safety issues, which are now identified on a real-time basis. Over 30,000 actions by users in the form of images, task updates and discussion threads have been captured in a few deployments. It has led to the rapid digitalization of last mile activities on-ground, which were never captured earlier.

The Context

80% PROJECT MANAGERS:

- Do not have access to real time project data at the push of a button
- 1% productivity growth rate in the last 20 years

Impact of the Innovation

revenue increase by

23%

productivity increase by

26%

reduced shutdown duration

by 11 hrs

The Innovation

SyncOps is an innovation that seamlessly connects planners and executioners on a real-time distributed platform and digitises last mile activities on shop floors. For the first time, the status of a shutdown has been made accessible on a real-time basis to everyone, thereby enabling faster decision making and real-time optimization of resources. The entire timeline of all activities through photos, comments, issues and safety audit reports can be visualized on one platform. Issues related to the lack of resources, poor productivity or any other reasons can now be communicated and resolved seamlessly through a digital platform.
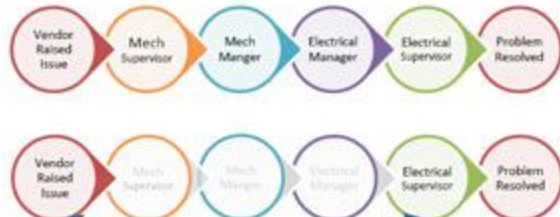
It creates a network of smart handheld devices on ground that generate strategic actionable inputs and alerts on a real-time basis as the state of project evolves. It is an end-to-end solution that addresses planning, execution and knowledge retrieval for any shutdown. Moreover, due to digitization on field, the learning and knowledge gained during execution gets captured and does not get lost. All this information is uploaded to a secure and dedicated cloud server. Summary Reports are auto-generated and can be viewed by anyone at any time. The innovation is the creation of a technology platform, which can be configured without writing any code to adapt to the user requirements for shop floor.

Overcoming Challenges

Adoption of technology and acceptability by the people on the shop floor was the biggest challenge faced during deployment. Moreover, in shutdowns, hundreds of people are involved who vary in the ability of technology usage. The team initially began with connecting only the employees of the unit through the platform, but eventually connected the contract partners and shared resource providers as well. This significantly improved the usability of the product. The increase in transparency and accountability was gradually appreciated by everyone.

WITHOUT SYNCOPS

Vendor Raised Issue → Mech Supervisor → Mech Manger → Electrical Manager → Electrical Supervisor → Problem Resolved

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