



MAXIMIZE THROUGHPUT AND EFFICIENCY WITH PERFORMANCE OPTIMIZATION CONSULTING

Application Brief

Performance optimization consulting (POC) is a targeted lifecycle management process through which a material handling equipment (MHE) vendor evaluates a critical path's current operation and makes improvements.

SITUATION

In every distribution and fulfillment (D&F) operation, there is a portion of the MHE system that is vital to the facility's success. This is called the *critical path*, and the effective performance of its components is essential. If your critical path isn't robust and operating at full efficiency, neither are your D&F operations. Yet most organizations face challenges to optimal critical path performance:

- You suspect that your MHE system is not running as designed or specified in its original design documentation.

- Changes to business or throughput requirements are pushing the system beyond its original capabilities.
- System modifications have been made to meet those changing requirements — and you suspect that things are no longer working as well as they should be.

How can D&F operators optimize the performance of their critical path while minimizing costs and maintaining efficient operations?

SOLUTIONS

POC from Honeywell Intelligrated provides a solution. Aside from ensuring that your MHE system is optimized to run at maximum capacity, POC supports internal quality assurance (QA) initiatives and helps to ensure that critical path components are fully operational and well maintained.

Honeywell Intelligrated's three-step POC process delivers performance improvements on the most important systems within your D&F operation.

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PHASE 1: MECHANICAL ASSESSMENTS

POC engineers collaborate with you to conduct detailed mechanical and operational assessments of the physical attributes of each component within the critical path. By observing systems during typical operation and if necessary, during planned downtime, you can ascertain deficiencies and determine which system segments require attention.

PHASE 2: CORRECTIONS AND REPAIRS

Next, POC engineers work with you to locate (and if needed, order) any necessary replacement parts. The POC team coordinates with site managers to schedule required downtime and make repairs or recalibrations to correct any mechanical deficiencies identified within the Phase 1 assessments.

PHASE 3: SOFTWARE OPTIMIZATION AND NEW PERFORMANCE BASELINE

Finally, the POC team helps you to develop a method to document short- and long-term critical path optimization plans, determine how those plans address obsolescence, and suggest tactics to increase throughput. After conducting sprint tests to establish a baseline of operations for the critical path during peak conditions, the team validates the improvements made and determines any additional impacts on the MHE system. This data can then be used to refresh system documentation for ongoing maintenance and performance evaluations.



PARTNER WITH LIFECYCLE EXPERTS FOR ONGOING SUPPORT

Regardless of how you define your critical path, Honeywell Intelligrated is ready to conduct a POC project within your facility. From on-site, resident support technicians to video-enabled remote maintenance, Honeywell Intelligrated provides a variety of services to optimize critical path performance, meet your operational goals, and streamline lifecycle management initiatives.

Honeywell Intelligrated

+1 866.936.7300

info@intelligrated.com

sps.honeywell.com

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