

Abstract

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Improving and Assessing Logistics Port Operations in Sokhna Port

RFID enabled containerization can help comply with their operation besides enhancing security and safety in international transshipment by ensuring the integrity of containers. It has already proven capable of increasing efficiency within the terminals by speeding the gate check process and providing real-time information of tens of thousands of containers stacked in yards. In this research, we aim at proposing improved procedures to applied in a famous local port. The procedures can improve the work of ports, and create a new integrated business model based on the RFID technology. We focus our study on containers, cranes and trucks. This new business model has proven successful in improving efficiency and reducing cost. We also introduce some key performance indicators that use RFID in the proposed model to assess the performance of an important ports in Egypt.