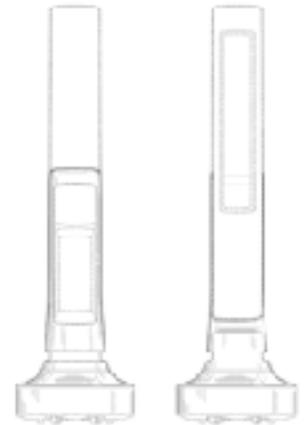## MOVING TO SIEMENS XCELERATOR AS A SERVICE

REMOVE FRICTION & SPEED INNOVATION

MEET MODERN ROBOTICS

This series profiles Yousef, Finley, and Sofia, three colleagues working at Modern Robotics, MR. This hypothetical firm has built industrial robots for 30 years and now has a plan to revolutionize in-store retail. Store margins are down, labor costs are up, and theft is a constant problem. MR's solution? The MRone robot. It's ideal for repetitive tasks and can roam the aisles of a store to count items for inventory management, find improperly shelved products and look for trash and trip hazards.

MRone has a base that contains an electric motor, battery, and wheels. A tall stalk holds a technology package of wifi and proximity sensors that enable the robot to orient itself in the store and avoid people and objects. Each retail outlet will add sensors such as RFID, cameras, or laser scanners to identify items and determine the specifics of a hazard. MR plans to purchase these components and work with suppliers on integration. The MRone sends data to a cloud resource where MR uses a detailed store map to determine what's out of place and issue work instructions for resupply or tidying. MR plans to launch before the year-end with a few basic sensor packages and, eventually, get to a configure-to-order sales scheme.

We'll look at how Yousef, Finley, and Sofia's daily work changes as MR moves from legacy technologies to Siemens Xcelerator as a Service, an open, integrated, flexible, and agile engineering platform. They'll move MR from a siloed desktop environment to one that uses the latest cloud and software-as-a-service technologies backstopped by a managed services offering. Finley has an engineering manager's perspective; Yousef is a designer with particular needs, and Sofia is an IT resource with an enterprise-scale view of the problem—and possible solutions.

You can find Yousef, Finley and Sofia's stories here.

Schnitger Corporation created this brief at the request of Siemens Digital Industries Software, Inc. For more information or to comment, please visit www.schnitgercorp.com