ARMY SOFTWARE FACTORY PILOT

Supply Support Activity (SSA) Automation

**Problem Statement**
Automate manual logistics processes to increase throughput velocity and optimize SSA performance

**SSA WAREHOUSE PROCESS**

**Before:**
- Print
- Sort
- Pick
- Pack
- Distribute

**After:**
- Sort
- Print
- Pick
- Pack
- Distribute

~55% ↓ Time

The pilot resulted in 55% time savings in the first three steps in the fulfillment process through automating the sorting of orders received from G-Army. Analogous to an Amazon fulfillment center, the SSA Warehouse fulfills orders as quickly as possible. The fulfillment speed directly affects the readiness of equipment in operational units. Unlike an Amazon fulfillment center, the SSA Warehouses currently rely on manual processes.

**173% Increase in Picks**
Number of picks of parts per minute in the warehouse increased substantially. Leads to faster pacing item fulfillment.

**12.7 Soldier Hours**
Daily hours saved for the SSA Order Fulfillment which allows for greater inventory velocity for repairable credit.

**65% Cost Savings**
Optimized cloud development processes to achieve savings with recurring cloud infrastructure costs.

**TEAM**

4 Soldiers & 2 Civilians
- Learned agile software development, user-centered design and DevSecOps through 1:1 pairing with industry experts

**99 Days To Production**
To install and accredit a cloud-based platform and build, deploy, and continuously operate a cloud native app

**FUTURE**
Software Development Team Applications
- Supply Chain Management
- Operational Mission Planning
- Process Optimization
- Data Integration and Analysis

**10 Day Cycle Time**
Soldier (end-user) feedback to capability delivery thru application production/build

**RESULTS**

** Accomplished in a COVID-19 restricted environment**