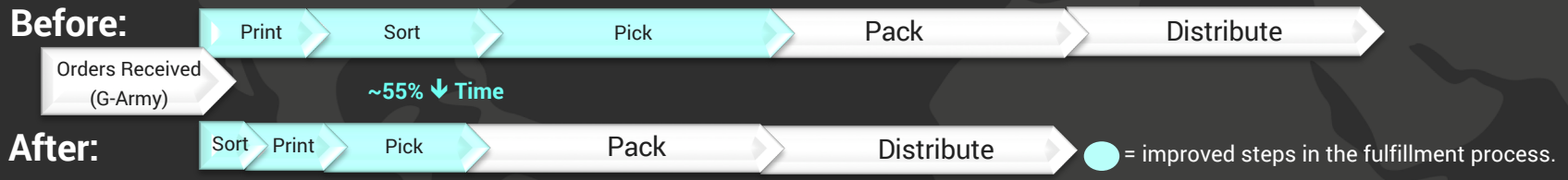
ARMY SOFTWARE FACTORY PILOT

Supply Support Activity (SSA) Automation

Problem Statement

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

SSA WAREHOUSE PROCESS



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 effects the readiness of equipment in operational units. Unlike an Amazon fulfillment center, the SSA Warehouses currently rely on manual processes.

**RESULTS

173% Increase in Picks

Number of picks of parts per minute in the warehouse increased substantially. Leads to faster pacing item fulfillmnet.

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 .

FUTURE

Software Development Team Applications

- Supply Chain Management
- Operational Mission Planning
- Process Optimization
- Data Integration and Analysis

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

10 Day Cycle Time

Soldier (end-user) feedback to capability delivery thru application production/build

Software Engineer Mr. Kenneth Baker - Platform Developer CW2 Mercedes Barrera - Product Manager Ms. Susan Cranfill - Platform Developer SGT Alex Dow - Software Engineer SSG Joshua Neighbors - UI/UX Designer MAJ Chris Zimmer

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