6 RIVER SYSTEMS

Benefits of the 6 River Systems Fulfillment Execution System

The fulfillment engine for your entire operation

Warehouse operators continuously face new and unpredictable challenges on the path to growth: labor shortages, demand spikes and legacy technology that's incapable of scaling to meet business needs, to name a few.

6 River Systems' (6RS) Fulfillment Execution System (FES) meets these challenges head on through a combination of cloud-based software services and hardware that enables operators to optimize the orchestration, execution and automation of wall-to-wall fulfillment workflows including putaway, pick, sort and packout.

The FES includes 6RS' autonomous mobile robot (AMR) "Chuck," its on-board control software and workflows, as well as the operator console, The Bridge, which enables organizations to monitor and optimize their fulfillment operations. Cloud-based infrastructure and easy integrations with other warehouse execution solutions allow operations to scale quickly and easily to meet labor challenges, increase efficiency and enhance customer engagement without costly or disruptive changes.

Increase operational efficiency
2-3x productivity improvement

Stabilize labor challenges
15-minute new hire training with no previous warehouse experience required

Enhance customer retention
25% reduction in order fulfillment errors, improved SLAs

Reduce business risk
2-4 week go-live, minimal infrastructure & IT changes required

A system that grows with you
Easily scale capacity to match your business needs

The Power of FES
Picking Workflow Example

1 Cloud Orchestration
Your WMS waves order picking tasks to our cloud software which batches and groups tasks for optimal efficiency while ensuring SLAs are met.

Order 1 (multi-line)
Order 2 (single-line, single unit)
Order 3 (single-line, multi-unit)
Order n (multi-line)

2 Induct
6RS' cloud-based algorithms optimize task groupings in real time and assign to individual Chucks.

3 Meet
Chuck meets associates close to their first task, eliminating the "long walk".

4 Pick
Chuck leads the associate through their work until all assigned tasks are completed (green arrows).

5 Takeoff
Chuck travels autonomously to required tote takeoff location(s), eliminating the "long walk" (white-dashed lines).

6 Pack
The Universal Terminal provides a modern user interface similar to Chuck which, eases cross-training to packout SLSU, SLMU and discrete orders.

- - - Chuck travels alone
——— Associate travels alone
——— Associate follows Chuck

Assign work intelligently
FES is purpose-built for optimizing the execution of wall-to-wall fulfillment tasks The WMS waves real-time tasks to the FES which, in turn, assigns them to 6RS devices with smart allocation to automatically and dynamically optimize for density and SLA attainment.

Expand functionality & scale capacity as needed
The FES enables easy integration to other devices and fulfillment systems from simple scanners or printers to larger material handling equipment like vertical lift modules, box builders and auto-baggers. Rent Chucks for short term demand (i.e, peak) which arrive pre-configured for your site. Simply uncrate and power them on to add capacity as needed.

Customize your pick strategies
Operational configurability and Chuck's industry-leading capacity means the FES can manage multiple picking strategies (batch, discrete, each, cluster, etc.) available on a single AMR, even on the same pick run.
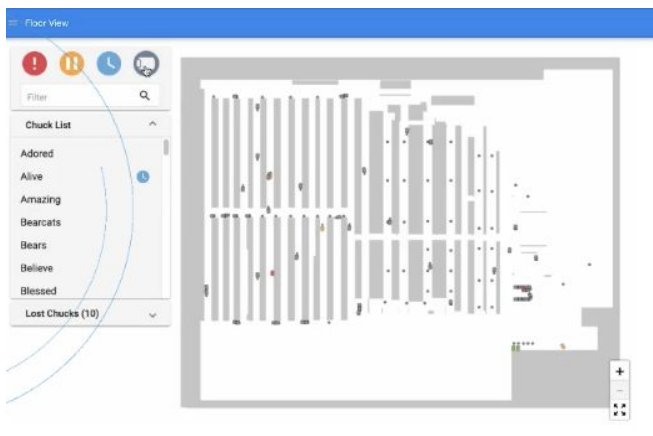
Make the job better
Associates need no warehouse experience to quickly ramp to high productivity across multiple wall-to-wall fulfillment roles. Eliminate up to 50% of walking and fatigue associated with pulling heavy carts using safety-certified AMRs which are deployed with minimal IT and physical infrastructure changes.

Note: Diagram depicts orders being picked and passed between floors via conveyor. The FES Mobile Sort workflow can also be employed to batch pick totes, consolidate and sort them to a wall as well."

Orchestrate your fulfillment with The Bridge

Maximize throughput to meet SLAs with *The Bridge*, your fulfillment command center that enables you to easily view, manage and orchestrate assets across the warehouse.

Optimize Asset Utilization

Analyze Demand and Deploy Resources as Needed

Gain real-time visibility & control
Track task status at a glance with views into every facet of a building's throughput – from putaway to packout. Objectively compare operations across your sites and your peers in the 6RS global fulfillment network.

Proactively manage your assets
Monitor the status of AMRs and chargers to ensure your solution is performing optimally, or see where associates are working most often to make inventory slotting decisions and alleviate congestion.

Transform data into action
Leverage operational trends and performance to prioritize SLAs, plan and forecast labor and more.

Better fulfillment everywhere

As part of global commerce company Shopify, 6 River Systems is a leading fulfillment solutions provider – striving to make warehouses more efficient with flexible, human-first and innovative products that deliver immediate value.

6 River Systems' solutions, including its autonomous mobile robot Chuck, are operating in more than 100 facilities in the U.S., Canada and Europe, fulfilling millions of units each week for companies including GXO, Office Depot, DHL, Crate and Barrel, Tagg Logistics and NRI.

To learn about 6 River Systems, the FES and its wall-to-wall fulfillment capabilities, visit:
www.6river.com

GXO

" The system handles peaks in consumer demand with near-perfect accuracy by complementing the work performed by our employees. The enhanced employee engagement, efficiency gains and improved consumer order accuracy support the increasing demand in retail and e-commerce fulfillment."

Mario Harik, CIO

LEGEND VALVE

" [6RS] enhances our ability to monitor operations in a quick, easy-to-use platform that integrates seamlessly into our operation... we've been able to improve from simply fulfilling our 24-hour obligation to our customers to achieving an 80% same-day fill rate."

David Gaddy, General Manager

NRI

" What really got me from the first meeting with 6RS is that they talked beyond the bot. They spoke about the ecosystem, about the opportunities about future strategies, AI implementation, other processes within the facility that were beyond just the picking process. I felt like it wasn't just a static solution implementation. We were going be part of an evolution."

Peter McKenna, CEO

CEVA LOGISTICS

" It was relatively simple and absolutely necessary to integrate [6RS] into our pick wall, Accutech auto-bagger, and homegrown warehouse management system."

Glen Sutton, SVP