



# SMART WAREHOUSING AND IMPROVED LOGISTICS



Boost your warehouse productivity via smart workload allocation and optimized product flows through SAP Extended Warehouse Management (SAP EWM)

## Capgemini's vision for the warehouse of the future

Welcome to a warehousing facility where product velocity is consistently assessed to ensure only high-rotation SKUs are stored in the golden zone, a pick area located at the waist level of a handler. This improves shipping productivity, and empty forklift travel is minimized thanks to easy-to-update business rules, which dynamically allocate work to operators based on proximity, qualifications, equipment type, or speed.

Our warehouse analytics dashboards provide a real-time view of key metrics across all aspects of warehouse operations.

This includes highlighting priority orders from the day's inbound and outbound workload as well as backlog or problem areas.

Warehouse employees get real-time notifications of events such as changes in product temperature (excursions), excess vibration, humidity, or even slow or stalled operations.

## The power of SAP EWM – enhanced

Tap into SAP EWM Plus – an enhanced version of SAP’s Extended Warehouse Management – and benefit from industry best practices, optimized storage utilization, and improved physical distribution productivity.

With SAP EWM Plus in SAP S/4HANA, you can meet customers’ unique requirements while achieving an operational advantage and let EWM orchestrate all your warehouse processes end-to-end.

- Increased productivity through system-guided RF-based operations and dynamic workload allocation (interleaving queues)
- Full support for manufacturing processes and integration to MES solutions, to control the staging of components to manufacturing lines and efficiently record and put away WIPs or finished goods
- Optimized storage utilization via advanced inbound strategies
- Optimized picking path and implementation of FEFO, FIFO, LEFO, or LIFO rules
- Tracking and traceability at Pallet, Box, or Each level via batches or serial numbers. Efficiently track product expiration and manufacturing dates
- Inspire workforce through productivity-based incentives thanks to EWM Labor Management, which captures individual and shift-level productivity
- Automated release of picking tasks based on SKU picking processing times, or customer priorities, carrier, or cutoff times

At Capgemini, we understand that increasing service levels while reducing inventory balances can be an elusive goal. In an efficient warehouse operation enabled by our preconfigured SAP EWM Plus solution, more time is spent on added-value activities and less on repetitive or manual tasks, such as monitoring or workload allocation.

We help our clients fulfill personalized orders or customized parts and adapt seamlessly to dynamic changes in demand and supply through advanced analytics, IOT, AI, and ML, which convert raw data into actionable intelligence.

### Capgemini helps companies address warehousing challenges and offers:

- A Warehouse Process Evaluation and Improvement Program
- Business case and ROI estimates for adoption of automation equipment: AGVs, ASRS
- System landscape evaluation to identify the most efficient path towards adoption of SAP EWM for robust operations, even while remaining in ECC
- Support for selecting RF devices and barcode printers that are SAP S/4HANA compliant
- Off-line RF capability to continue shipping and receiving operations, even during SAP outages
- Post-implementation audit services, to stabilize operations, improve time-to-value, and fully exploit EWM’s functionality.



## Tap into Capgemini's logistics powerhouse

We have consistently delivered superior results to our clients by providing innovative logistics solutions that make full use of warehouse equipment, achieving new levels of precision and productivity.

### Our capabilities include:

- Global practice with thousands of practitioners in more than 40 countries possessing deep industry and consulting experience
- Through Capgemini Engineering's 53,000 engineers, we bring unique value to our clients via a powerful combination of consulting skills and technological knowhow of AGVs, ASRS, proximity sensors, image processing, RFID, voice picking, etc.
- Industry-specific deep knowledge of life sciences, automotive, consumer packaged goods, and chemicals industries, plus unique insights into the latest trends in these industries and warehousing models that accelerate time-to-value EWM implementations
- EWM Edge pre-configured solution that accelerates the design and build of all the core scenarios for warehousing operations including inbound and outbound processes, internal warehouse operations, and integration with shipment processes. Our solution accelerates initial implementation cycles and includes years of enhancements on top of the standard EWM solution.
- A vast library of RPA (Robotic Process Automation) scripts that execute thousands of complex tests to facilitate the discovery of operation bottlenecks and validate that hardware will provide sub-second response times, even during peak operational hours
- Our solution can leverage Intel Optane persistent memory and replacement next-gen technologies such as Compute Express Link (CXL) to help clients achieve optimum performance and lower total cost of ownership (TCO).

Let the team of Capgemini logistics experts show you the full capabilities of SAP EWM applied to your operation. Get ready to operate the warehouse of the future.



## About Capgemini

Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of over 350,000 team members in more than 50 countries. With its strong 55-year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fueled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2021 global revenues of €18 billion (about \$21 billion USD at 2021 average rate).

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