

# WAREHOUSING & VALUE-ADDED SERVICES

## Warehousing and comprehensive services for pharmaceutical companies

Maintaining a high level of product availability of relevant medication is important for treating diseases and saving lives. Commercially, pharmaceutical companies need to lower the risk of product substitution and missed revenues. Cost and service level improvements have driven pharmaceutical supply chains to postpone many secondary packaging activities such as country labelling and lot serial number tracking nearer to end market.

### TYPICAL BUSINESS CHALLENGES

- Maintaining inventory visibility & control
- Achieving regulatory compliance: GxP facilities & processing
- Building competencies with value-added services
- Ensuring timely & accurate order fulfillment



**WE CARE**













## DHL SOLUTION

This solution delivers warehousing and distribution at GxP standards through the DHL HealthConnect platform. It offers multi-user regional and country distribution centers to support pharmaceutical products and vaccines, and includes controlled product storage, value-added activities, and distribution services. This solution supports order management, postponement, hospital and retail logistics, and other functions.

## SOLVING YOUR BUSINESS CHALLENGES

- ✓ **Maintaining inventory visibility & control** – SKU and stock visibility; sales order visibility; serialization and date (production, use by) views; high levels of accuracy; optimizes inventory ‘freshness’
- ✓ **Achieving regulatory compliance: GxP facilities & processing** – Network of GxP-compliant sites (FDA, ISO, OHSAS) with VAS processing areas; GAMP 5-validated IT solution; multi-user, multi-temperature storage with environmental and warehouse management systems; network of regional and country distribution centers
- ✓ **Building competencies with value-added services** – Includes secondary labeling, serialization, packing, kitting, and unique identifier or batch number tracking; auditable recall and disposal; many other services
- ✓ **Ensuring timely & accurate order fulfillment** Order management (internal and end customer); delivery to distributors, hospitals, and retail pharmacies; 24-hour dispatch operations; customer service, and more

## COMPLIANT WAREHOUSING AND COMPREHENSIVE SERVICES FOR PHARMACEUTICAL COMPANIES

Pharma-grade facility	Comprehensive services	
<p>Dedicated, shared, multi-user and multi-temperature regional and country distribution centers</p> <ul style="list-style-type: none"> <li>OTC, ethical drugs (<b>chilled &amp; ambient</b>), veterinary, controlled drugs, nanotechnology, <b>GMP clean rooms</b></li> <li>Biopharma / biotech, vaccines, controlled drugs, clinical trials &amp; named patient, medication, <b>ultra-low temperature / cryogenic freezer storage</b></li> </ul>	 <b>Dock management</b>	 <b>Qualified Person (QP) batch control and packaging records</b>
	 <b>Inventory management (Lot batch)</b>	 <b>Quarantine &amp; high value product storage</b>
	 <b>Picking methods</b> (paper, RF, voice, vision, light, etc)	 <b>Value-added services</b> Postponement & Serialization
	 <b>Written procedures for storage and distribution process CGMPs</b>	 <b>Direct-to-market / Order-to-cash</b>
	 <b>Secondary relabeling (GMP)</b>	 <b>Returns &amp; destruction</b>

## WAREHOUSING & VALUE-ADDED SERVICES



### KEY BENEFITS FOR YOUR BUSINESS

#### EXPERTISE FOR PEACE OF MIND



Life sciences-certified professionals to manage and execute your business

#### COMPLIANCE & CONTROL



Compliance with regulations and industry standards; standard processing and exception handling

#### SAFETY & SUSTAINABILITY

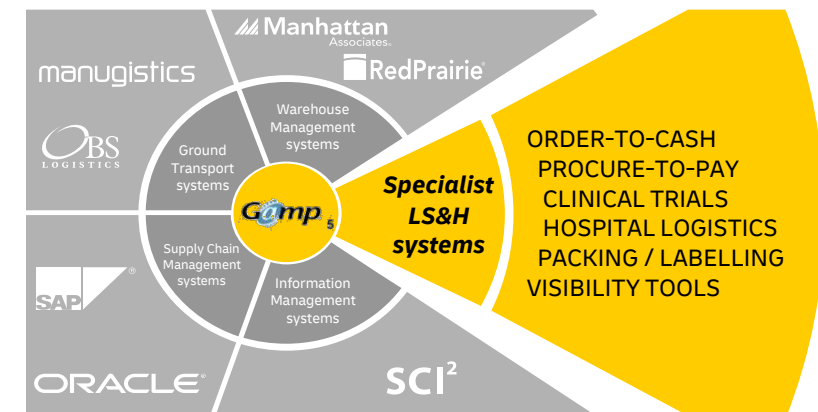


Health & safety prioritized in operations; clear sustainability goals and action plans

#### INNOVATE & IMPROVE



Innovations to improve customer experience and operations; mindset of continuous improvement



# DISCOVER MORE: WAREHOUSING & VALUE-ADDED SERVICES



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## Webinar: Critical Needs of Advanced Therapy Supply Chains

Advanced Therapies are quickly becoming reality and treatment success will rely on the rapid and seamless delivery of personalized therapies to patients. This webinar discusses the challenges and opportunities of this segment and solutions in this complex and highly regulated environment.

## Article: Below Zero Tolerance

Structurally complex biotechnology drugs rely heavily on cold chain logistics, and the heart of it all is strict temperature monitoring and an understanding of regulations. Dive into DHL's Temperature Monitoring solutions and see how they play a critical role in this our cold chain solutions.

## Video: DHL Supply Chain Nijmegen Facility

Take a look around cutting-edge, fully temperature controlled state-of-the-art facility providing forward thinking, intelligent, compliant end to end supply chain solutions for the Life Sciences and Healthcare sector.

