

# INVENTORY OPTIMIZATION & PLANNING



## In-depth analytics and life sciences expertise to solve complex supply chain challenges for medical device manufacturers

Medical device manufacturers must review the supply chain network whenever the business strategy changes or new markets open up, and when there's a merger or acquisition. To implement changes, it's essential to agree a feasible roadmap.

### TYPICAL BUSINESS CHALLENGES

- Avoiding overstocking & stockouts
- Coping with complexity
- Combining expertise in both analytics & life sciences
- Balancing service levels & cost
- Comparing 'what-if' scenarios
- Including qualitative analysis



## DHL SOLUTION

For the on-time availability of medical devices at the point of use, this service helps achieve ideal inventory levels locally, regionally, and globally. It delivers applied analytics skills, life sciences logistics consulting, advanced IT planning and optimization tools, and an implementation roadmap.

### SOLVING YOUR BUSINESS CHALLENGES

- ✓ **Avoiding overstocking & stockouts** – Inventory stocking policy at item (SKU) level; inventory positioning across a network of local, regional, and national warehouses, distribution centers, and forward stocking locations
- ✓ **Coping with complexity** – Decentralized database; accurate network flows
- ✓ **Combining expertise in both analytics & life sciences** – DHL experts provide applied analytics skills and capabilities along with unrivalled logistics consultancy knowledge and experience specific to the medical device supply chain
- ✓ **Balancing service levels & cost** – Total cost analysis with adherence to agreed service levels; considers and quantifies direct costs (warehousing and transportation) and indirect costs (inventory, obsolescence, and lost sales)
- ✓ **Comparing 'what-if' scenarios** – Various network setup scenarios and inventory positioning options
- ✓ **Including qualitative analysis** – Also considers hard-to-quantify parameters (real estate price trends, labor availability, trade agreement impact, etc)

### SOLVING COMPLEX SUPPLY CHAIN CHALLENGES FOR MEDICAL DEVICE MANUFACTURERS

**Sample Deliverables**

**Scenario Modeling**

**Feasibility-impact Analysis**

**Implementation Roadmap**

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### KEY BENEFITS FOR YOUR BUSINESS



#### ROADMAP

Turns analysis into real operations aligned with business priorities



#### PEACE OF MIND

Rely on DHL's extensive consulting and analytics expertise



#### AVAILABILITY

On-time availability of medical devices



#### FLEXIBLE

Network setup adjusts according to market size