

# services: logistics operations

We measure, design, plan and improve logistics operations; our skills and services for this sector include:

## facility and operations design

- distribution centre and warehouse facility sizing: current and future capacity needs
- conceptual and detailed facility design
- supply chain process design
- warehouse operations design inc user requirements, equipment, and storage
- facilities locations
- vehicle operations design

## operations planning

- distribution centre and warehouse capacity and operations planning
- operations modelling and planning tool development
- workload planning and scheduling
- workload-driven resource and equipment planning
- network planning, and network capacity planning and improvement
- contingency planning

## operations improvement

- facility layout and process design and improvement
- order fulfilment and distribution operations optimisation
- reengineering of sort and load processes, procedures and work methods
- strategies to improve storage capacity and inventory control
- manpower planning strategies and techniques, and resourcing efficiencies
- process standardisation across networks

## collection and delivery route planning and improvement

- route planning, balancing, optimisation and efficiencies
- vehicle layout redesign and vehicle load / unload techniques
- fleet efficiencies
- on-road driver productivity inc driver training
- ability to achieve a greater number of stops per driver, less mileage, low costs



## our credentials

o&i consulting creates efficient distribution operations. We design new operations to be flexible and efficient from the outset. In existing operations, we extend the life of facilities, reduce costs and improve performance. Our team has achieved this for international air cargo operators, parcel delivery companies, and logistics service providers.

Examples of our work for this sector include:

- operations and productivity improvements of up to 20% at DHL European hub and sort facilities
- despatch optimisation programme for DPD including a reduction in paid hours, drivers and vehicles
- productivity improvements of 50% and 25% capacity increases for British Airways World Cargo at London and East Coast US facilities
- future facility requirements and process improvements for Music Box Leisure

# introduction to o&i consulting

o&i consulting applies operational research and industrial engineering skills and its aviation and distribution industry experience to measure, design, plan and improve airport, airline, air cargo, parcel delivery and logistics operations. We help clients to get the best out of their existing facilities, develop efficient new operations and create a positive customer experience.

Our core capabilities are:

## operations planning

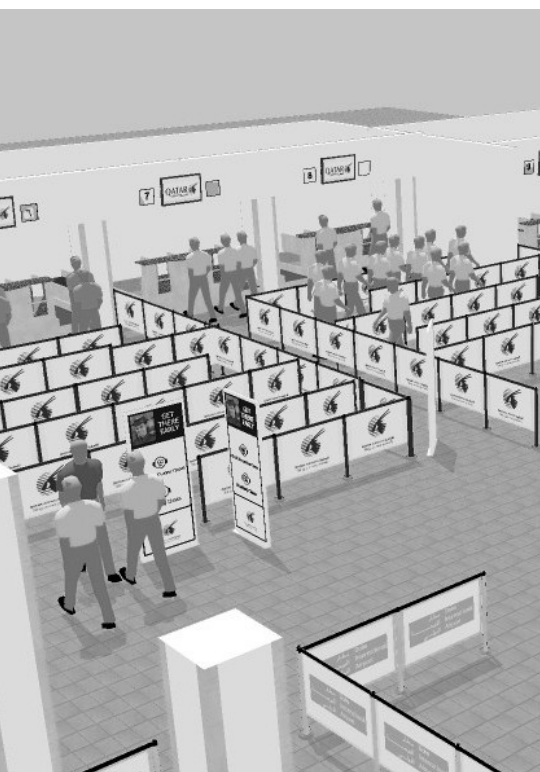
- capacity and demand analysis
- capacity planning
- passenger, baggage, cargo and parcel flow modelling
- rostering and resource allocations
- allocation planning
- gate allocations
- stand planning
- forecasting
- operations planning for special events e.g. Olympic Games
- contingency planning

## operations improvement

- capacity and demand analysis, planning and improvement
- productivity analysis and improvement
- process (re)engineering
- rostering and resource allocations
- flow management
- facilities layout (re)design
- queue design and management
- solution implementation
- process and procedure training
- introduction of new technologies e.g. automated boarding

## operations design

- conceptual design for passenger, baggage, cargo, parcel and logistics facilities
- detailed design
- process design and re-engineering
- facilities requirements and layout



## contact us

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