



AIRPORT LOGISTICS

## Flight Catering Logistics

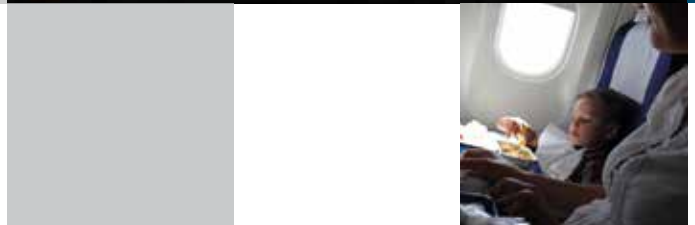
An economic and efficient logistic concept that fulfils the special requirements of flight caterers.

**„Inventory management is one of the greatest challenges facing an in-flight caterer.”**

This statement by Audrey McCool in 1996 is still valid today in the airline catering business, because:

- Airlines are changing ingredients and products regularly.
- Caterers are likely to have contracts with several airlines, each of which is likely to have different product specifications.
- Product specifications are rigid to ensure airlines have consistent products on all their routes; so, substitution by a similar item is rarely possible.
- Running out of stock may lead to penalty payments or even loss of contract.

Facing this reality, Lödige's own inventory management system provides you with a solution that can meet the individual requirements of airline catering. We are a global player in the airline business for more than 35 years.





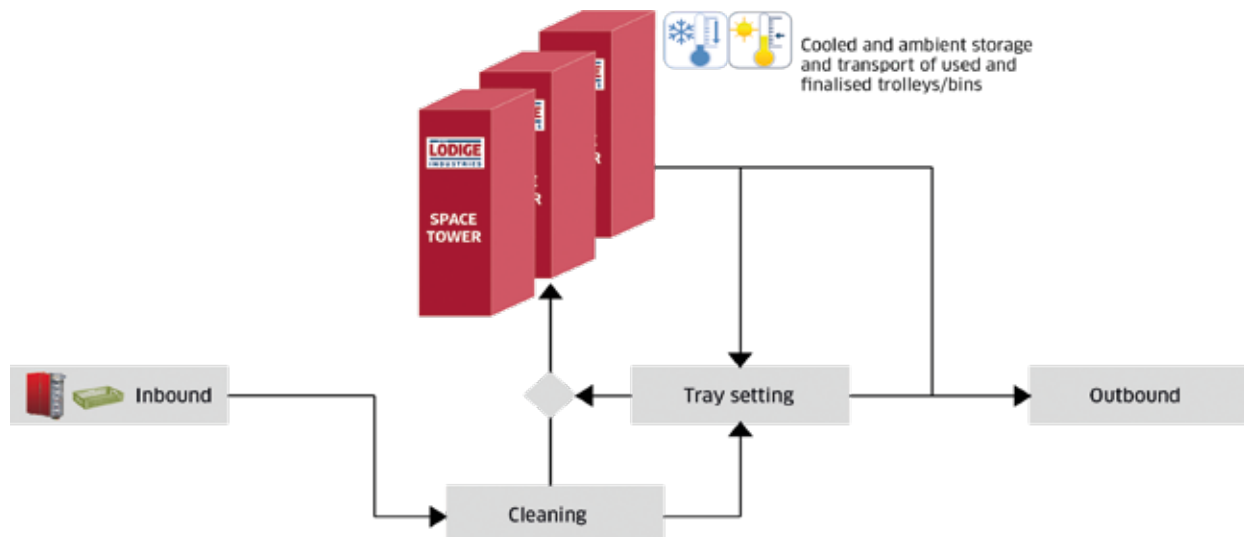
# FLIGHT CATERING LOGISTICS

Lödige Industries provides solutions that meet the unique requirements of airline catering. We utilise material handling technologies for the storage and transportation of trolleys, pallets and bins. Automated recognition of cutlery and dishes accelerates the handling process.

The Lödige Space Tower improves material flows and reduces space requirements by using centralised storage with integrated vertical transport. It combines storage and transport functionalities and integrates with stock control data. This increases transparency and operative excellence, and ensures availability of goods. The Space Tower offers the opportunity to use valuable floor space in the most economical way.

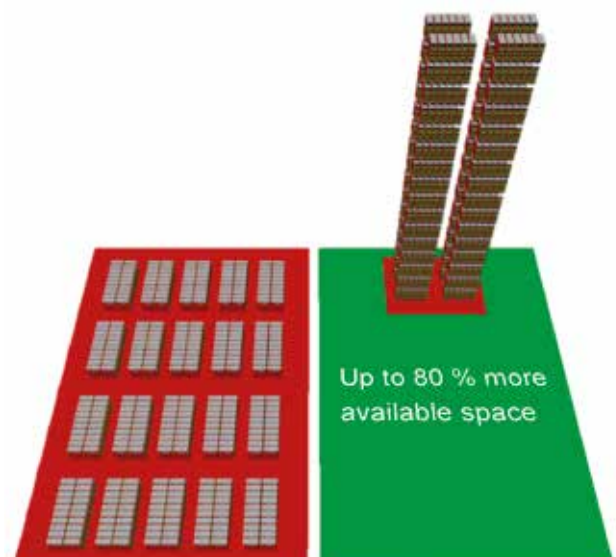


The densest trolley storage: Lödige's Space Tower



## SPACE TOWER ADVANTAGES

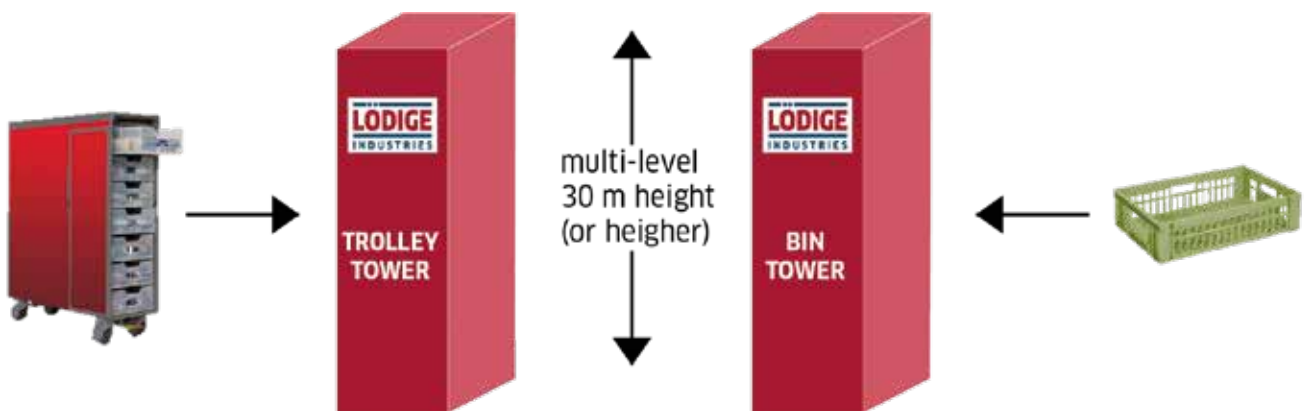
- Gain maximum storage space.
- A centralised storage system, bringing seamless connectivity across multiple production levels. No manual floor transfers through goods hoists.
- Integrated material flow - replenish stock on one level, distribute to other levels.
- Transparent and secured flow of information.
- Easy, fast, safe and flexible transport of catering trolleys or bins.
- No stock in transit (such as monorail or manual transfers etc.) means lean stock and lower costs.
- A controlled, secure, hygienic environment.
- Designed for a hygienic environment.
- Optional cooling per tower, uninterrupted refrigeration chain.
- Proven and reliable technology.
- Integrated into warehouse management systems.





# FLIGHT CATERING LOGISTICS

KEY FACTS	TROLLEY TOWER	BIN TOWER
Max. platform capacity	750 kg	250 kg
Max. trolleys/bins	250	1,000
Ambient/temperature control	Ambient or temperature controlled storage and transportation of standard catering trolleys	Ambient or temperature controlled storage and transportation of standard bins/baskets
Operator comfort	Storage platform is presented flush with floor	Opening platform provides sufficient clearance for different height arrangements of bins and baskets
Design	Available for different trolley heights	Ergonomic design; storage platform is presented to the operator at ergonomic height
Hygiene requirements	Meets hygiene requirements	
Access	Bar code or RFID identification and inventory management system for flexible and fast access	



Trolley Tower



Bin Tower



## REFERENCES

### Gate Gourmet, Zurich, Switzerland



Project Period: 01/2000 - 10/2001  
 Scope: Design, manufacture, installation and commissioning of the fully automated Vertical Storage and Transport system (Lödige Space Tower) for catering trolleys and bins.  
 Equipment: 48 Trolley storage towers  
 8 Bin storage towers  
 Capacity: 8,400 Trolleys  
 4,300 Bins

### Gate Gourmet, Munich, Germany



Project Period: 10/2000 - 07/2001  
 Scope: Design, manufacture, installation and commissioning of the fully automated Vertical Storage and Transport system (Lödige Space Tower) for catering trolleys.  
 Equipment: 4 Trolley storage towers  
 Capacity: 700 Trolleys

### Cathay Pacific Catering Services (H.K.) Ltd., Hong Kong



Project Period: 06/2014 - 03/2016  
 Scope: Design, manufacture, installation and commissioning of the fully automated material handling system (including Lödige Space Tower) for catering trolleys, bins and pallets.  
 Equipment: 12 Trolley storage towers  
 4 Bin storage towers  
 Bin Conveying System  
 Pallet Conveyor System  
 Warehouse management system including automated recognition system  
 Capacity: 2,436 Trolleys  
 4,000 Bins



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#### Lödige Service

We offer full service for your equipment after installation: maintenance, spare parts, etc. Feel free to contact us.



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