

## Food Bulk

+ Accomplished Intermodal Logistics



# Demand for quality-driven intermodal logistics solutions for food products is ever-increasing

## Bulk Food Transportation & Storage

InterBulk Group provides unrivalled door-to-door logistics services for customers that require to move, store and discharge bulk food products such as **sugar, malt, wheat and starch**.

Food logistics is a growth sector as consumer taste is diversifying and demanding more variety and choice. Economic factors and legislation are driving changes within the food industry as the focus intensifies on value for money, without compromising on quality.

Supply chains are becoming stretched and greater distances are being covered. Add the need for greater environmental awareness to the factors above and the result is an ever-increasing demand for quality-driven intermodal logistics solutions for food products.

InterBulk Group's tried and tested methodology has been implemented successfully and is rapidly becoming producers' and end-users' preferred choice for hygienic and economic transportation of food grade materials.

## Sustainable Bag in Box Logistics

Unparalleled cost-efficiency, innovative solutions, world-class service levels and a commitment to the environment lie at the heart of InterBulk's dry bulk services.



Benefits of utilising Bag in Box logistics:

### Product Integrity & Hygiene

Products are secured within one liner bag throughout the journey. Single trip liners require minimal human contact ensuring contamination and waste is avoided.

### Transport Costs

Cost savings are realised from using rail and waterways. Additional cost advantages can come from optimised payloads, reducing the empty mileage and/or avoidance of cleaning costs.

### Rolling Stock

Storing materials in containers has proven to be both flexible and cost effective. Stock can be held close to customer locations for 'just in time' deliveries. This concept can be used to reduce investments in new assets or improve utilisation of existing assets.

### Sustainable Solutions

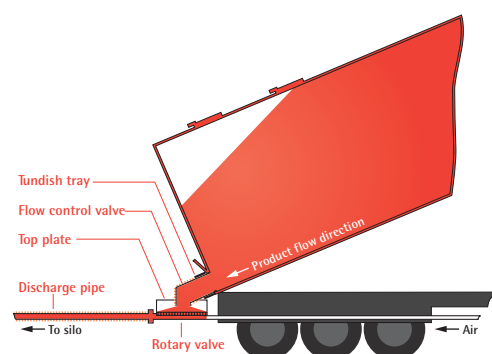
Sustainable intermodal logistics has lower emissions with reduced carbon footprints. Transport by rail or water is less polluting than road transport, especially when covering longer distances.

## Industry Pioneers

InterBulk Group are industry pioneers of 'Bag in Box' technologies and logistics. As early as 1965, InterBulk Group (formerly UBC) was working to develop the technologies and solutions used throughout the industry today. Since then, we have performed millions of container movements for the world's largest food companies and distributors.

## The System

Loading takes place via top filling hatches in 30' containers. We have custom designed hydraulic trailers capable of discharging dry bulk products into silos anywhere.



Discharge is very straightforward for driver operators. A tundish and rotary valve are fitted to the rear and air connection hoses are secured ready for discharge. The container is tipped via gravity and low pressure air enables efficient discharge.

Custom loading and discharge solutions can be developed in conjunction with customers and receivers. 20' or 40' standard shipping containers can be filled using gravity, mechanical or pneumatic solutions depending on product characteristics.

# Environmental awareness is driving sustainable intermodal transport solutions

## Environmental Overview

InterBulk Group's dedication towards intermodality is considerable. We have invested in the world's largest purpose-built intermodal fleet for dry bulk materials.

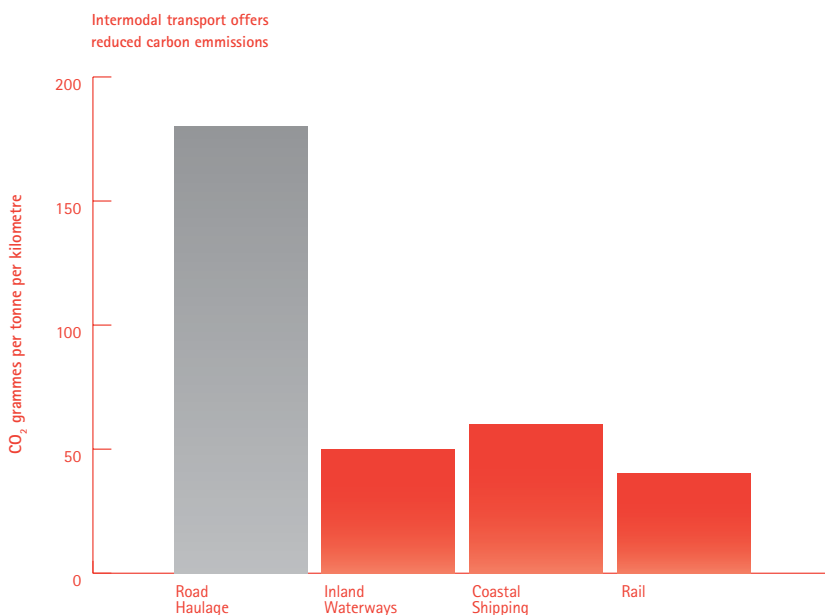
We provide our clients with the means to re-assess their carbon footprint by switching cargo to more economical and environmentally friendly modes of transport. By providing a greater platform for using rail and waterways, we remove the burden placed on congested roads, whilst reducing CO<sub>2</sub> emissions.

InterBulk Group follows environmental and recycling codes for the protection of the environment. We use environmentally friendly processes throughout the logistics cycle, backed by ISO 14001. Maximum payloads result in less overall transport, which is of further benefit to the environment.

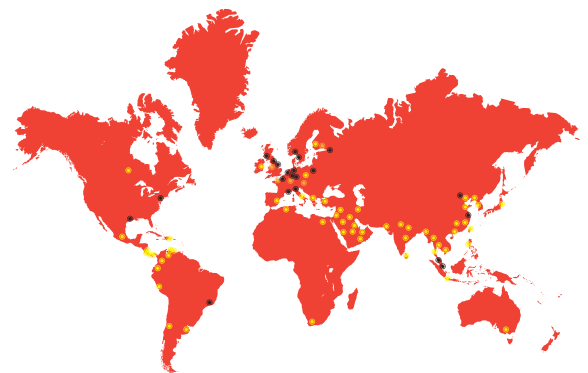
## People & Systems

We look to exceed our customers' expectations and we employ dedicated customer service teams who understand each market sector and are highly trained to meet clients' needs, both in identifying opportunities for added efficiencies and in dealing with any problems that might arise.

InterBulk's global network of owned and agent managed offices means full strategic support is only a phone call away, while our **Track & Trace** technology allows automatic generation of daily status reports from anywhere in the world.



McKinnon—Commission for Integrated Transport



Key InterBulk assets that drive the effectiveness of our business include the quality of our people, from top management to logistical experts, to the drivers and storage staff who supervise the movement of bulk cargoes. Another is our bespoke IT systems.

Our IT systems work with electronic ordering and provide sophisticated report-back services in real time. They can even be linked to clients' own systems to enhance outputs, creating a seamless interface between customer and service provider.

# InterBulk's food bulk division can rely on Europe's largest fleet of 13,000 specialist dry bulk containers

## Revolutionary Fluidising Liners

Developments in polyethylene liner technology are pushing back the boundaries of the Bag in Box concept and giving further incentives for a range of food companies to send products by more sustainable intermodal means.



InterBulk Group owns one of the world's most innovative container liner manufacturers, LinterTech. InterBulk and LinterTech have created a new concept in polyethylene liner technology the **Fluidising Liner**.

Some difficult cohesive materials can clump together with conventional liners—InterBulk's Fluidising Liner is ideal for these materials.

The Fluidising Liner is used for materials that do not normally flow easily and the patented design provides a practical solution to these common problems.

The liner is made from food grade film, which meets all current UK, EU and FDA food legislation and is manufactured according to ISO 22000, making it ideal for all food powders not suited to traditional liners. Flour and starches are common product types which are particularly suited to the Fluidising Liner.

For 'dusty' products which pose a possible explosion risk, electro-statically dissipative film can be used.

## Optimised Storage

Strategic storage solutions are a crucial element of InterBulk's range of logistics services.

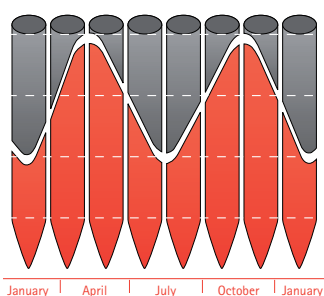
## Food Hygiene & Safety

Over the years, InterBulk Group has successfully worked for the world's leading food companies. Crucial to this achievement is the development and implementation of sophisticated food hygiene and safety procedures, which ensure InterBulk stays ahead of the competition. Food products only come in contact with liners that have been manufactured to a guaranteed standard.

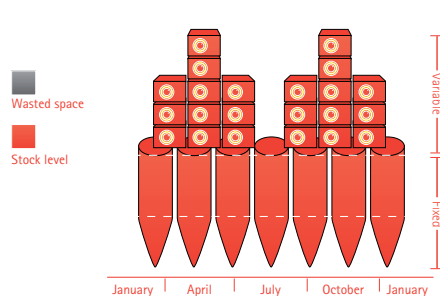
We operate a **Safety Improvement Plan (SIP)** across our business, which sets out our policies for continuous improvement with people, equipment and procedures on all related **Quality, Health, Safety, Security & Environmental (QHSE)** issues. The SIP is reviewed and audited on a regular basis. We continually train our staff and provide them with the tools to surpass current industry standards.

InterBulk is the first intermodal operator to have GMP and ISO 22000 compliance for the whole of the intermodal supply chain.

Typical CAPEX-invest Solution



InterBulk Optimised Storage



InterBulk's network of strategic storage facilities in the UK and mainland Europe gives our customers maximum flexibility. We can hold stocks at locations close enough to provide a seamless 'just in time' service and we help customers to deal efficiently with small grades or slow moving stock.

We use the best mix of silos, containers and packed storage to reduce material handling and distribution costs. We link 'on-site' materials handling and distribution activities to increase flexibility and minimise investment in fixed assets.

# We utilise the expertise of our people, backed by experience & continuous development

## Supply Chain Management & Terminal Operations

InterBulk Group is much more than just a logistics company. We provide a range of value added services at a number of container terminals either owned by InterBulk, or run on behalf of customers.



Customers can outsource logistics activities to InterBulk in order to increase efficiencies whilst improving their own customer service and concentrating on their core business. Fixed costs are made variable, thereby freeing up cash.

We assist our customers to react faster to end user requirements and specific customer demands. Customers also save money, time and effort by outsourcing.

Our supply chain management solutions improve and enhance:

- + Customer service
- + Logistics cost saving
- + Asset utilisation
- + Operational & admin processes
- + Working capital & inventory

## Bag to Bulk Consultancy

Food producers still often rely on their food products being transported and stored in (big) bags. We have a clear understanding of the challenges faced by customers to make the leap from 'Bags to Bulk'. Advantages of moving towards 'Bulk' include: lower packaging costs, less handling, optimised payloads.

InterBulk is renowned for working with customers on a project basis to develop and specify complete systems including liners, loading, transport and discharge.

We operate on-site terminals with the highest possible standards in safety, security and quality. We fill and discharge all modes of transport, and provide all administration of inbound or outbound logistics, including order management, container or silo storage and warehousing.

At our terminals we can transfer food products into the best economical transport mode. For example, we can decant or debag product from a deepsea container into our 30' containers. This will result in a higher payload and will lower the transport costs. Beside offering storage and transport solutions we also operate packaging lines and manage our customer's inventory.

## Optimised Logistics for Deep Sea Shipping & Handling

InterBulk can provide 20' and 40' Containers for deep sea shipping. Our global presence enables us to provide Bag in Box logistics anywhere in the world.

Our global network of trained professionals provide the necessary customer support. InterBulk have at hand a wide variety of standard shipping containers, combined with specialist discharge equipment that can be tailored to a huge range of dry bulk materials.





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