

Protecting Industry Worldwide

FACT FILE

DRY BULK CARGO HANDLING





Ki Kingfisher

Shared knowledge

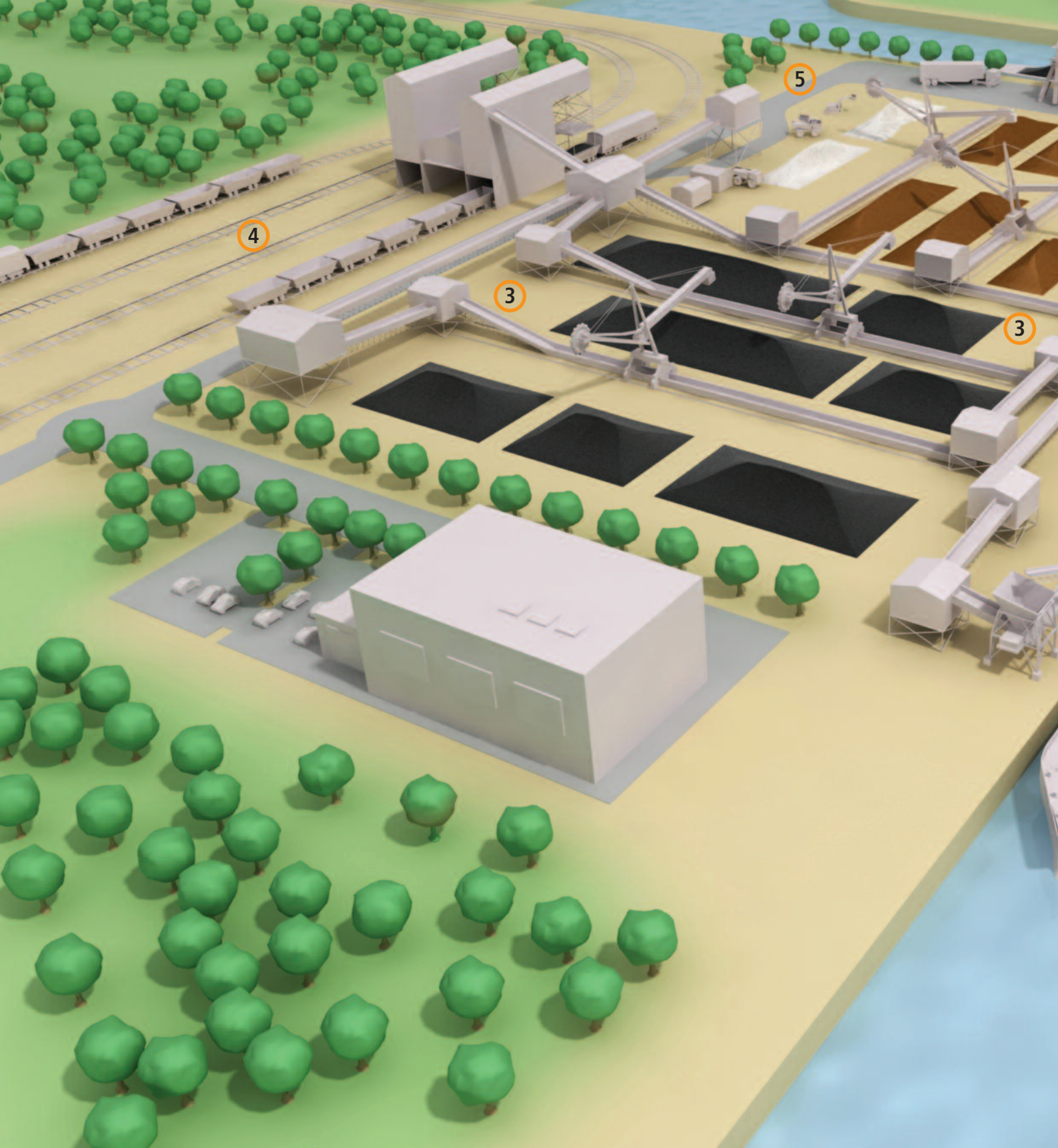
Kingfisher have been active in the dry bulk cargo shipping and handling industry for over 20 years. Throughout that time we have supplied equipment or undertaken onsite installation activities in many locations and ports throughout the world. Our experience of being able to offer a comprehensive package of design, manufacture, protection and installation of equipment used to transport, load, unload, convey and store bulk solid materials has positioned us as a reputable total solution provider **offering a guaranteed package of performance.**

In understanding the criteria associated to the expected level of performance within the industry, we offer bespoke solutions to the many problems associated with handling large amounts of dry bulk solids materials at the port of loading or unloading and with the vessels or mobile plant used to convey these materials at the port or used to transport them around the world. In aligning our service offering with your key performance indicators **we ensure availability and continuity of operation.**

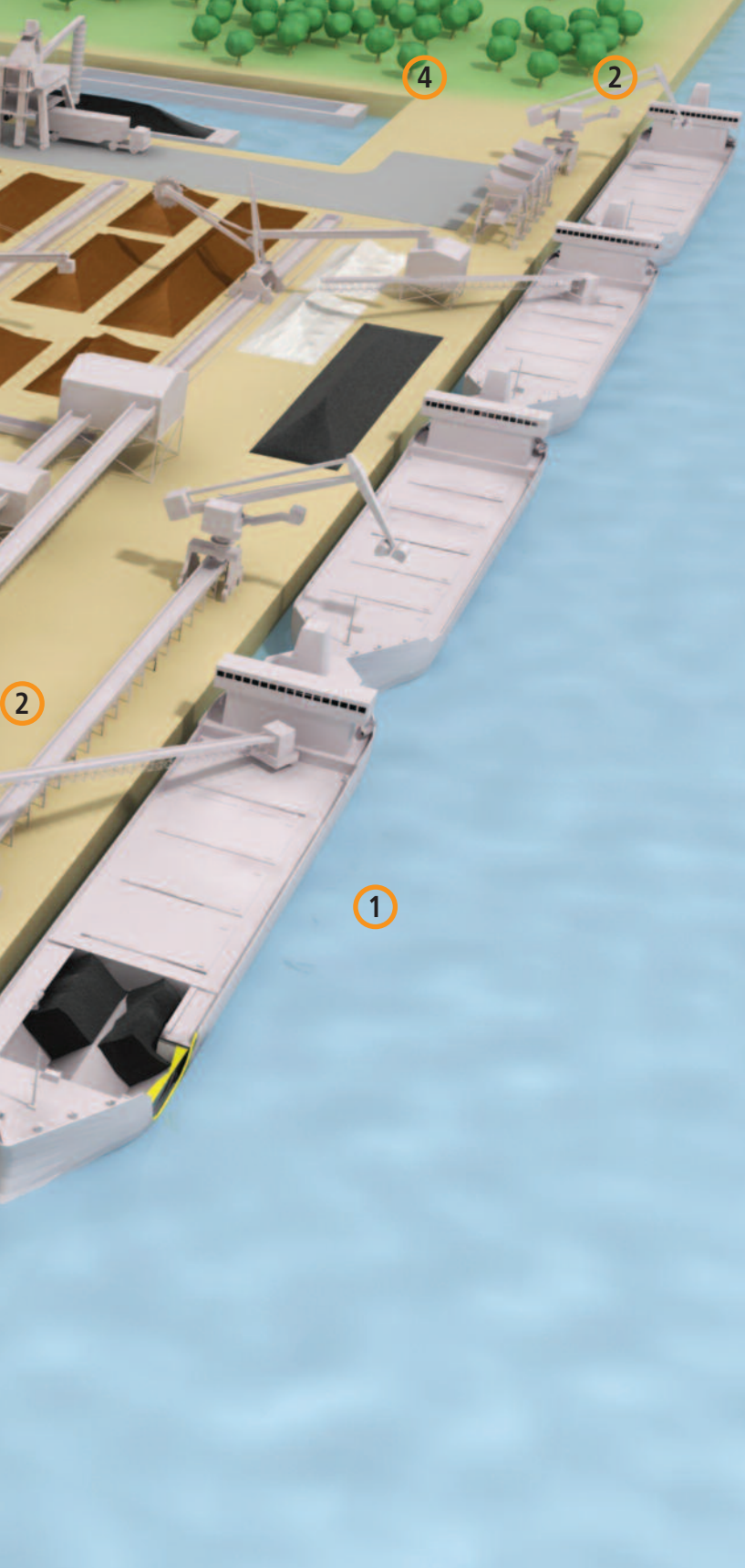


Performance matters

With the possibility of unscheduled stoppages leading to the consequential costs associated to demurrage charges from shipping, port or train infrastructures, it is vitally important to maintain continuity of service and ensure that the cog in your operation keeps turning. However, due to the volumes and varieties of materials handled, it has become a greater challenge as owners and operators alike expect versatility in being able to cater for different cargoes and changes in market trends, therefore planning for these eventualities is key to meeting the challenges of **continuity of operation.**



In meeting these challenges Kingfisher have introduced a host of material and design technologies to ensure that plant and equipment are suitably designed, engineered and protected to cater for these varying needs. When the same equipment, vessel or mobile plant is used to handle dry bulk solids, such as coal, iron ore, aggregates and biomass then the engineer needs to have confidence in the suitability of their system to perform to the correct level of tonnage without failure. Being active in both the upstream and downstream processing industries such as the mine, the mineral manufacturing plant or the power station, we have encountered most problems associated with the handling of these materials such as being cohesive, abrasive, and free flowing which subsequently leads to equipment blockages, plant degradation and spillage of materials due to poorly designed equipment and we have **successfully eliminated the problem.**



Typical applications of plant protection systems

① Self Unloading Vessels:

Cargo holds
Conveyor pulleys
Transfer chutes
Discharge chutes
Pneumatic conveying systems

② Ship Unloading & Loading:

Crane grabs
Screw conveyors
Pneumatic conveying systems
Reception hoppers
Loading chutes

③ Port Handling Facilities:

Vibro feeders
Chain conveyors
Discharge screws
Transfer chutes
Stock out conveyors
Reclaim buckets
Weigh hoppers
Conveyor pulleys

④ Loading Facilities:

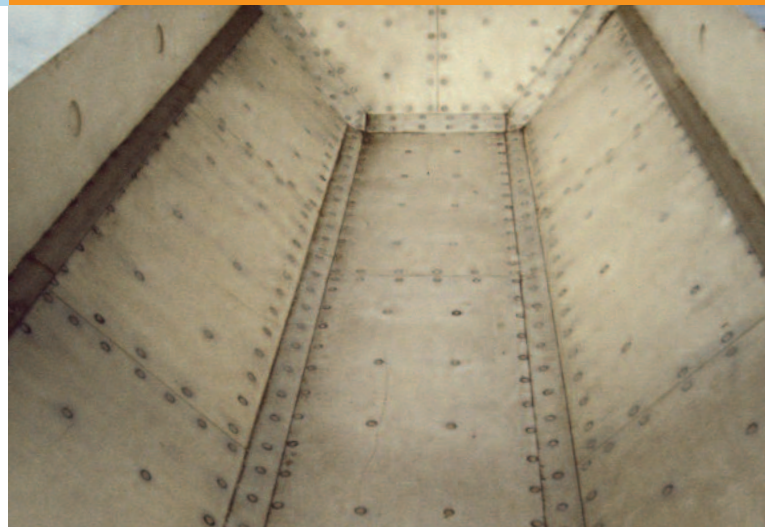
Rail loading hoppers
Truck loading hoppers
Storage silos
Pneumatic pipework systems
Transfer chutes
Loading chutes

⑤ Mobile Plant:

Truck bodies
Rail wagons
Front loading buckets

In many instances, Kingfisher Industrial offers the full Turnkey package consisting of:

- Design
- Manufacture
- Protective Lining (both in-works & on-site)
- Erection
- Commissioning





Ki Kingfisher

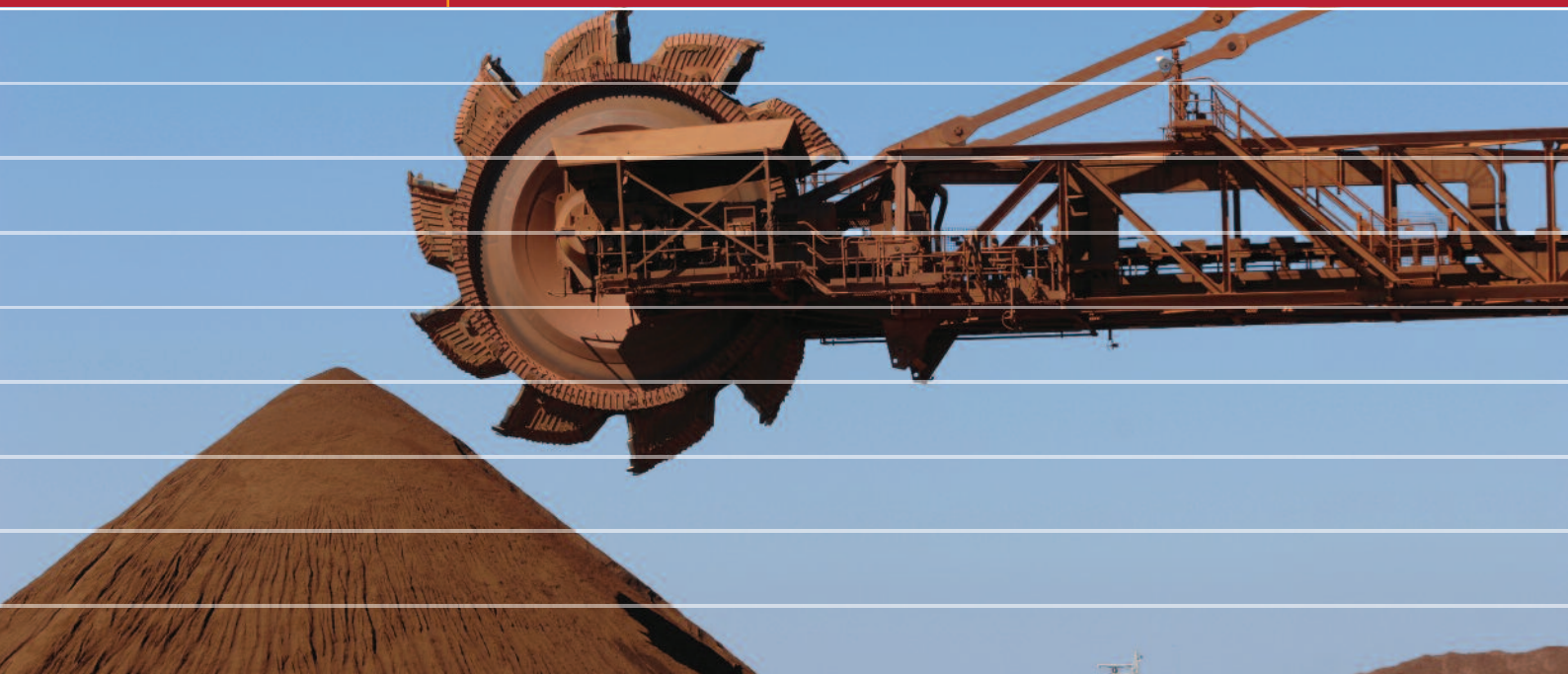
Proven solutions

In meeting industries expectations with regard to the implementation of best available technology, Kingfisher undertake a full comprehensive site survey where the necessary information is taken to ensure the equipment we supply or protect is fit for purpose, safe in the knowledge that it will perform as required. Modern methods of design such as modelling and flow diagnostics are utilised to predict flow rates and prove system compliance before the manufacturing phase commences.

Likewise, proven surface protection technologies are chosen to counter the effects of the abrasive nature of some minerals which will otherwise erode away your investment on capital plant and equipment. The utilisation of correct technology will **add to your capital investment**; however the benefit will soon become evident during the many trouble free years of service you can expect from a correctly specified wear protection system that can **operate up to and beyond 20 years** service in many applications.



Just as important as protecting your equipment is keeping materials flowing and by introducing lining systems that promote flow and discharge of cohesive materials or bulk solids with a high moisture content, it can soon pay dividend by **negating the unnecessary safety hazards** of your personnel and expensive labour charges associated with un blocking vessel cargo holds, unloading hoppers, transfer chutes and discharge equipment or having to clean up the port environment due to spillages within the transfer system.



Ki Kingfisher

Kingfisher Industrial
Whitehouse Road
Kidderminster
Worcestershire
DY10 1HT

T +44(0) 1562 543108
E enquiries@kingfisher-industrial.com
www.kingfisher-industrial.com

Kingfisher Industrial Ltd, Registered in England and Wales No 03069245. VAT Registered No 277 0364 91