

Protecting Industry Worldwide

FACT FILE  
**RECYCLING**





## Kingfisher

### Value added benefits

In following the contaminated waste stream from the reception point through the recycling and processing plant, Kingfisher's activities in protecting plant and equipment from wear related problems are vast and varied. Likewise, our ability to incorporate technologies that will manage hard to handle materials in a safe and efficient way can only benefit all stakeholders involved in the operation.

Knowing what systems can cater for the large volumes of product being handled can save unnecessary expenditure which is soon incurred if the recycling rates are not achieved. By offering a turnkey package consisting of design, manufacture, **protection** and installation, **we reduce the risk of non conformance** of a protracted supply chain where the control of quality, cost and delivery can sometimes be compromised.

With the need for reliable efficient equipment, we have pioneered the use the of new materials to combat the abrasive effects of glass, plastics, aggregates and metals and are continually increasing the warranty periods offered to operators based on the length of success our systems have been operating in within the industry.

## Proven solutions

By working with experienced professional individuals within Kingfisher, you can depend on reliable, efficient service that understands the industry's needs. People with an understanding of the consequence of system failure and the knock on effect of non-performance of plant and equipment. Utilising these skills and knowledge **we deliver improvements that enhance the service life and operational availability** of equipment that are positioned in all areas of the plant where solids are handled in abundance causing detrimental effect on the asset value of the processing equipment.

Having achieved success's in extended the service life of the equipment such as the separation of glass fragmentations from fibre and other debris, to the cleaning of recycled wood for re introduction into the wood processing industry and energy production or even the washing of aggregates into various grades and sizes of minerals that can be utilised by the mineral processing industries in lieu of the environmental and commercial cost of extractive materials can only add value to your customers operation. In doing so, Kingfisher offer you proven solutions that over a relatively short period of time stand out as an **well planned and executed investment for the future**.

**By introducing best practice at the outset, Kingfisher offers a return on investment** that can eliminate the additional costs of further maintenance and capital expenditure associated with equipment that hasn't been protected for service longevity. We aim to continue improving what we offer the industry and feel confident that our portfolio of services will continue to grow and assist waste and recycling companies in meeting the ever increasing challenges associated with environmental and performance efficiencies.



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### The changing face

As with time, industry doesn't stand still and as it is continually looking for improvements in its performance and processes that will ensure its survival and prosperity. The utilisation and dependency of raw materials supplied via primary resource providers is key to the manufacturing process of many companies that add value to these materials by conversion into a host of finished or semi finished products.

The cost of securing these materials is on the increase due to demand from the global market where both developed and emerging markets vie for sufficient quantity of the right quality at the right price. Circumstances of supply and demand will determine who dictates the market selling and purchasing prices for raw materials, therefore the opportunity to utilise graded, readily available materials that have recently entered the supply chain has given processors and manufacturers an **alternative to the use of 100% raw materials**. Some of these recycled materials, until a few years ago, would have been destined to land fill or incineration, however due to the international community's desire to **reduce its carbon footprint and improve**

**the environmental impact**, the recycling industry is riding the crest of wave with regard to industries desire to abstract as much value as possible out of the use of these readily available materials that tick the box with regard to sustainability and price!

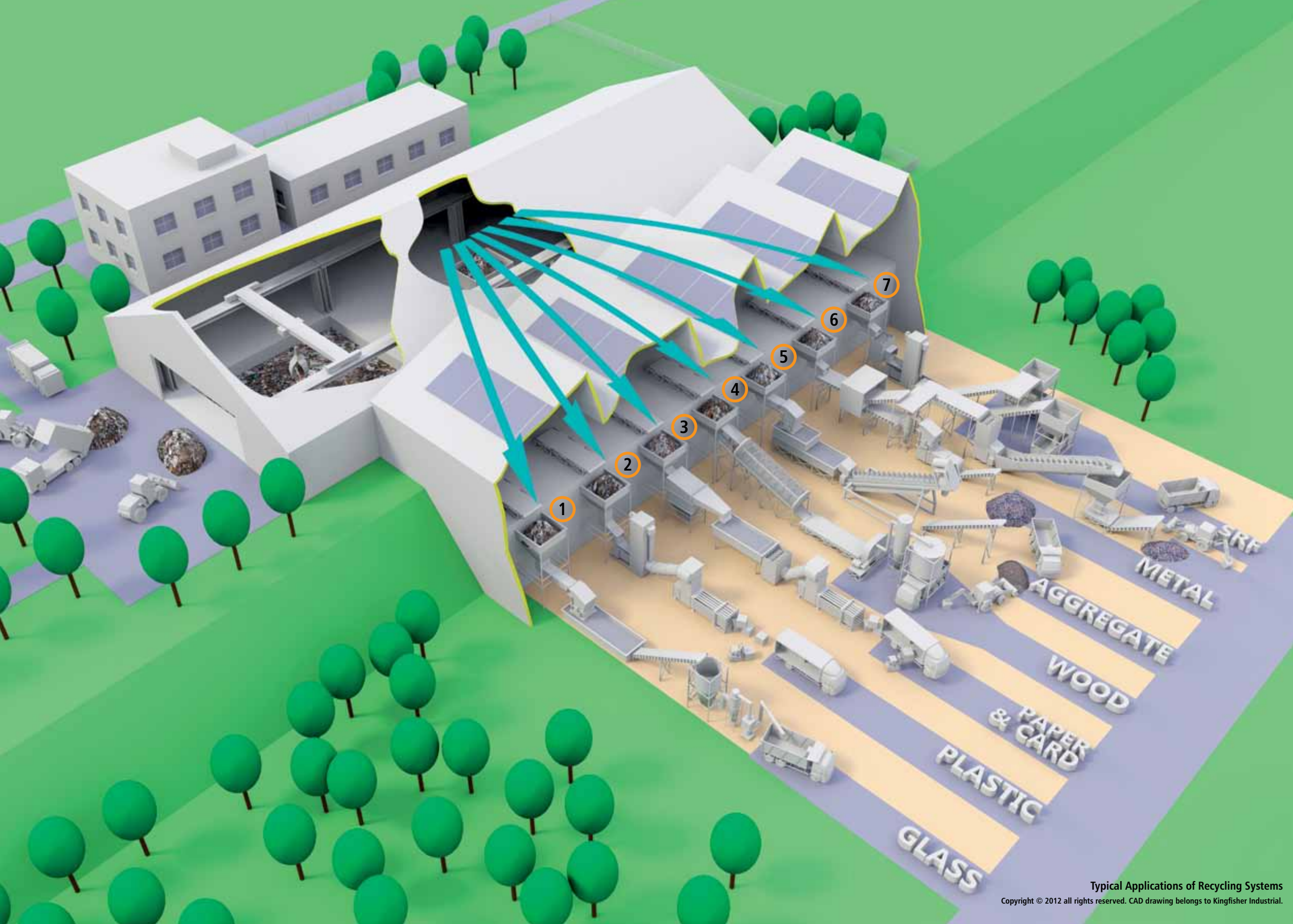
Globally, materials such as glass, aggregates, paper & card, plastic, and various grades of ferrous & non ferrous metals are now been recycled in far greater quantities than ever before. When the likes of biodegradable municipal waste is added into the mix as a source of alternative fuel for energy production, **the opportunities open to processors of recycled materials are on a steep increase**.

## Understanding the process

Being involved in the extractive and process industries that use these primary raw materials, we have an unrivalled understanding of the detrimental effects these materials have on plant and equipment used to store, convey or process them. Over the last 30 years Kingfisher have improved the performance and efficiency of this equipment by







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

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



incorporating proven design criteria and surface protection technology that will **ensure operational up time and service longevity**, allowing operators to focus on managing the process as opposed to being plagued by unscheduled shutdowns due to the costly expense of maintenance and repair of plant and equipment. When the additional risks associated with employing your workforce or contractors to enter confined spaces, work at heights, lifting and repairing heavy and awkward to handle plant and equipment along with the planning and consideration of such activities, the benefits of introducing these technologies soon pay for themselves in **ensuring employee welfare** as well as the financial status of the bottom line.







**Ki Kingfisher**

Kingfisher Industrial  
Whitehouse Road  
Kidderminster  
Worcestershire  
DY10 1HT

T +44(0) 1562 543108  
E [enquiries@kingfisher-industrial.com](mailto:enquiries@kingfisher-industrial.com)  
[www.kingfisher-industrial.com](http://www.kingfisher-industrial.com)

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