

## The Company

JNJ Crushing & Screening Ltd offers a mobile crushing and screening service to construction and demolition companies throughout Northern Ireland.

## The Challenge

In order to maintain Environmental compliance construction, demolition and concrete product manufacturing companies often need to reduce the volume of concrete and aggregate waste arising from their processes. Their aim is to divert this waste from costly landfill and recover valuable resources.

## The Solution

JNJ has a mobile crushing & screening plant with a waste management license. This allows the company to operate on the site of waste generation.

JNJ appreciate the benefits of Industrial Symbiosis and regularly attend the synergy workshops provided by the Industrial Symbiosis Service. Also through regular engagement with the Industrial Symbiosis Practitioners JNJ is introduced to companies seeking to reduce their concrete waste and generate new incomes from the aggregate produced from the crushing process. The crushed aggregate can be used as a raw material in re-manufacturing processes.

## The Benefits

Valuable introductions from the Industrial Symbiosis Service have enabled JNJ to generate additional sales to construction and demolition companies throughout Northern Ireland. In recent examples JNJ has been able to crush waste reinforced concrete products such as flooring slabs to recover both the metal reinforcement and aggregate. The crushed aggregate, which meets the requirements of the Quality Protocol for recycled aggregate, is suitable for other construction projects and can also be reused in the manufacture of concrete products.

- Cost savings to all the companies concerned: £1.96m.
- Cost savings of £50 per tonne of waste diverted from landfill
- 37,500tonnes diverted from landfill
- The crushed aggregate generated additional sales of £206,250
- Achieved CO<sub>2</sub> reduction of 3,851tonnes.

“Our active involvement in the Industrial Symbiosis Service has helped JNJ Crushing & Screening Ltd identify new business opportunities. This has the additional benefit of generating cost savings and additional sales for the company’s we work with and ensuring environmental compliance. A win:win situation for us all! ”

**John Minish, Managing Director  
JNJ Crushing & Screening Ltd**