



Blocktexas

Textile recycling facility

BlockTexx is a clean technology company recovering polyester and cellulose from textiles and clothing. Their mission is to divert textiles and clothing away from landfill and accelerate the global textile recycling industry towards a sustainable future. This innovative company turns textile waste into a resource, stimulates the production of new products and meets consumers demands to reduce the environmental impact of our everyday clothing. Blocktexas plans to scale their textile resource recovery technology (S.O.F.T. - Separation of Fibre Technology) to a commercial scale solution; eradicating textile waste and breaking down no-longer needed clothing and textiles. BlockTexx foresees the creation of more than 140 jobs, more than 50,000t of recycled textile, and a total CO2 offset of 1,250,000t (based on annualised amounts).

 Logan City, Queensland
 Advisory services and design

Project scope

Wiley specialists worked collaboratively with BlockTexx and QUT, developing designs, complex technical solutions and budgets for this innovative project.

Wiley assisted BlockTexx to develop their concept plans and production process from a small-scale operation into a purpose-built, commercial scale recycling facility.

Business value to client

BlockTexx anticipates the Logan facility will recycle around 4,000t of textiles, create up to 30 new full-time jobs and up to \$43M economic impact to the local area in the first year of operation.

Working closely with Wiley in the early stages of the project, BlockTexx were confident Wiley's processing and industrial manufacturing experience translated seamlessly to their process.

Wiley Engineers provided BlockTexx with valuable insights to develop process trials to commercial scale; the foundations for capital raising, while ensuring risks management and value for money at every stage of the project.

The textile recovery facility is world leading, combining chemical separation processes and advanced manufacturing. On completion, this pilot operation will set the standard for future proposed facilities.



We are excited to work with Wiley on the development of our first commercial scale facility. Wiley has more than 100 years of experience in process engineering solutions, which means they were an obvious choice to work with us on this vital project. Designing the facility has been an engineering challenge for all involved. We have needed to pull knowledge from across Wiley's organisation, using past learnings to build a future circular economy operation. Wiley have been with us since the early design concepts.

Graham Ross, Co-Founder, BlockTexx.



Complex services



Sustainable



Industrial



Advisory Services

