



Resources Technology and Critical Minerals Trailblazer

Transforming how industry, universities and research work together


Supporting optimization of resource operations by developing new technologies

Equipping innovators with the skills and knowledge to transform the sector

Project

Development of Stronger Fibres to prevent Mineral Concentrate Contamination



 Curtin University

IN COLLABORATION WITH

Development of Stronger Fibres to prevent Mineral Concentrate Contamination

Project Description

Problem

Fibres included in many shotcrete products used in underground mining operations can contaminate ore and concentrate, and clog underground pumps.

Aims

Develop a commercially viable polymer fibre to produce shotcrete that meets AS3600 guidelines.

Design the fibre to be separable from crushed ore.



Partnerships

Collaborators

James Cook University – Engineering
Industry – Danbar Plastics, Mineright

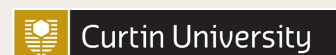
Project Lead

Dr Elsa Antunes, JCU

Contributions

Industry ~ \$0.8m
Trailblazer ~ \$0.4m
Total Project Value ~ \$1.2m

June 2026
For further information on JCU Trailblazer projects please send enquiries to: EGRU@jcu.edu.au



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