



IP OPPORTUNITY

Dust minimising chute

The University of Newcastle

The University of Newcastle is one of Australia's leading research Universities. Research at the University is of the highest quality with dedicated research facilities, buildings and Institutes devoted to rigorous experimentation and quality outputs.

Newcastle Innovation facilitates the transfer of knowledge, technology and research from the University to industry and commercial partners.

Invention Description

When loading grain onto ships for exportation, the inevitable dust emissions pose a danger to the health of workers, and the surrounding environment. A primary concern for many bulk-handlers is the minimisation of dust emissions during the loading process.

A new dust chute design has been developed by TUNRA Bulk Solids (TBS), a world leader in bulk solids handling at the University of Newcastle. The chute is cost effective as well as a superior alternative in regards to dust reduction. See Fig. 1



Fig. 1

Inventors

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Features and Benefits

- Reduces dust emissions
- Lower capital costs
- Safer working environment (health benefits for workers)
- Environmentally friendly
- Easily retrofitted to existing grain chutes.

Potential Applications and Market Opportunities

The dust-minimising chute was designed for the loading of grain, however a potential market exists for this product in all exports of bulk solids.

Development Stage

The chute has been successfully commissioned and utilised in two major ports within Australia.

Commercialisation

We are seeking partners to licence the technology in other international locations.

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