

**ARE BOTTLENECKS
STRANGLING
YOUR COAL
AND ORE
PROFITS?**

**BREAK
THROUGH
TO THE
FUTURE
WITH CHUTE
TECHNOLOGY**

CHUTE  **TECHNOLOGY**

STOP BOTTLENECKS STRANGLING YOUR COAL & ORE PROFITS

Today's resource prices mean mines, ports, energy producers and materials handling facilities must optimise production to survive and flourish. Loadout and materials handling facilities must move product as efficiently as possible to meet the market.



But many production and loadout facilities limp along at diminished capacity because of bottlenecks, weak links and mechanical and environmental failings in the distribution chain. These problem points can slow down the entire operation to the pace of the problem sector.

Chute Technology offers a unique and comprehensive problem-solving combination of three 21st century materials handling technologies to cost-efficiently iron out problems and optimise production.

We boost outputs by as much as 50 per cent, backing our technologies with 100 years of practical expertise to identify and cure the root causes of constant breakdowns, blockages and mechanical and environmental issues that can cripple output.

Ours is a comprehensive rather than piecemeal approach, based on generations of practical experience. All for a cost that can be less than a tenth of a new plant.

■ THE FUTURE WITH CHUTE TECHNOLOGY

A NEW APPROACH: CHUTE TECHNOLOGY PTY LTD

Chute Technology engineers chutes and complementary systems which permit faster conveyor belt speeds, greater throughputs, fewer breakdowns and enhanced safety. We solve environmental problems such as dust pollution, water wastage and energy inefficiency.

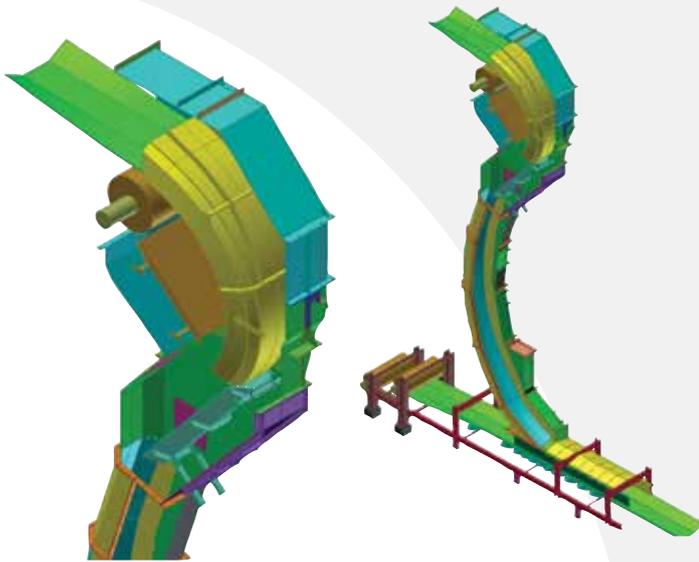
Our unique combination of engineering expertise analyses and eliminates problems common to many coal and ore plants and loading systems by addressing them with a combination of three skill sets, including:

- Advanced engineering analysis of flow
- Followed by upscaleable 3D Discrete Element Method (DEM) design processes
- And finally custom manufacturing to individual plant needs.

Chute Technology Pty Ltd combines the local and international manufacturing experience of TW Woods, represented by Director Tom Woods, with the similarly broad engineering and 21st Century technology experience of Engineering Consultant Dennis Pomfret of Dennis Pomfret Engineering, and Design Engineer Gary Telford of McKajj Services, which contributes extensive project management, engineering and drafting experience.

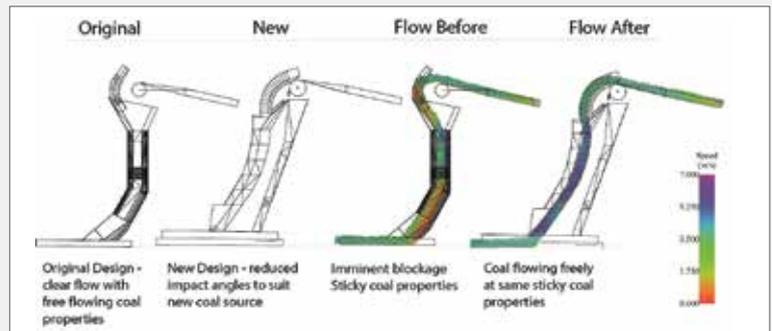
Our combined technologies – which are applicable to existing as well as new projects – are complemented by the practical experience of each of the three Principal Partners in Chute Technology, who have combined experience of more than 100 years in a wide variety of resource industries.

Our new generation of coal and ore materials handling technology is being introduced to Australasian and international markets by Chute Technology Pty Ltd ACN 605 894 675.



These include coal, iron ore, alumina and limestone across Australia, the USA, South America and South Africa. The technologies are also applicable to gold, nickel and other bulk minerals and ores. Major benefits of the chute design technologies have already been demonstrated in service, less wear and fewer breakdowns.

*Coal Prep Plant Transfer Chute DEM Modelling
Introduction of Sticky Material* ►



■ HOW WE CAN BENEFIT YOU – AN AUDIT FOR CHANGE



Existing chute and materials handling designs have fundamentally been stuck in the past, because few companies have seen the need to take advantage of innovations now available with advancing technology and knowledge.

But under the impact of steeply rising 21st century volumes, existing designs are breaking down incessantly – wearing out in weeks, sometimes – and continually slowing up production with downtime and repairs.

Sometimes old problems have become major new management and community issues, including dust pollution, workplace safety hazards arising from constant blockages and clearing, as well as wastage of precious and expensive water and energy.

Supervisors on affected sites or on loading facilities often are painfully aware that they have got a problem, but these issues have become so prevalent that they sometimes think of it as inevitable and unfixable.

It's not inevitable. It can be rectified, with technology and engineering-based Chute Technology efficiency audits as

a first step, followed by focused, problem-solving design and smarter manufacturing.

Through our focus on the audit, design, manufacture and optimisation of materials handling systems, Chute Technology delivers benefits by applying rigorous design skills and practical knowhow, gained by our Partners' experience in mines, ports and industrial plants including those of Delta Energy, Incitec Pivot, Glencore, Integra Coal, Laing O'Rourke, NCIG and surface and underground mining companies throughout Australia, South Africa and the USA.

■ NEW AND EXISTING PLANTS



In addition to a proven capability to design new chutes, the new Chute Technology organisation will specialise also in the retrofit of existing plants.

"A principal aim is to eliminate reliability problems and production obstacles so as to bring handling systems up to their full potential."

Value-adding services focused on by Chute Technology include:

- Increased tons per hour, more product delivered in a shorter time at lower OPEX

- Reduced wear rates, reduced consumables, labour and downtime
- Control of spillage, dust and clean-up, for a safer and safety compliant workplace
- Curtailing of environmental challenges including water and energy waste
- Debottlenecking of conveyor systems by applying new technology to upgrades
- Providing the entire service in a cost-efficient package often at a fraction of the expected cost.

Call Now For Expert Service
1300 833 140



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