



Overview

Clyde Materials Handling (CMH) has used its technology, expertise and domain knowledge to power pioneering solutions globally across the rail and tram industries, and is recognised as one of the industry's leading sand handling providers.

Rail and tram operators, irrespective of their location in the world, are the subject of ever increasing commercial pressures for profitability, vehicle availability and reductions in operating costs, whilst ensuring complete passenger safety and appeasing the demands from regulators.

As operators strive to create services that meet these requirements, it is becoming evident that efficient maintenance processes and procedures are essential to meet these needs and ensure that disruptions are minimised.

The maintenance of vehicles often involves replenishing on-board sand boxes, which are used to improve vehicle traction in slippery / wet weather conditions and can act as an aid in braking from high speeds.

However, sand handling is a commonly recognised problem within the rail and tram industry due to the time absorbed in manually handling bags of sand to fill empty sand boxes, coupled with spillage's and material waste that can impact on environmental and health and safety regulations.



Clyde Built Solutions

CMH's 'Clyde Built' solutions are known for their quality, durability, reliability, and exceptional performance.

Clyde has proven experience in implementing a wide range of pneumatic conveying equipment for the supply of sand handling systems, which are environmentally sound and comply with health and safety requirements.

Typically, sand is delivered to rail and tram depots by road tankers, which transfers its load into centralised or disperse sand silos. Clyde's pneumatic conveying application provides operators with the ability to transport sand residing in bulk storage at low velocity into sand boxes through means of a custom designed sand nozzle, similar in style to those found on petrol pumps. It also has the capability to stop sand flow when boxes are full to capacity, and can execute this process simultaneously to many sand boxes.

CMH has not only developed this static solution but has also created a range of mobile sand handling systems that work on similar principles to the static application.

The benefits generated by the Clyde solution include:

- A totally enclosed system, which is environmentally sound, dust and spillage free
- Easy to use, with very little operator intervention required
- Reduction in time taken to execute the process, resulting in quicker turnaround time from depot to deployment
- Long-term safe and reliable system – simplified logistics interface for delivery and straightforward stock control
- Flexible and future proofed – can be easily integrated into existing systems and maximises previous investments

Clients

CMH has over three decades experience in deploying innovative solutions that have addressed and resolved a vast array of business problems within the rail and tram industry.

Clyde's expertise and outstanding track record enables them to continue to deliver value to their successful and prominent customer base

