



Australian Government

Australian Trade and Investment Commission

Intermodal Solutions Group CLIENT CAPABILITY PROFILE

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Capability Summary

Intermodal Solutions Group (ISG), trading as Pit to Ship, are leaders in Logistic, storage and ship loading systems for the mining and grain sector.

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Active Export Markets

ISG currently operates in Chile, Ecuador, Argentina, Peru, Bolivia, Mexico, USA, Canada, Australia, South Africa, Namibia and Bahrain with offices in Ecuador and Chile.

Mining Customers

ISG has supplied to Codelco in five locations, BHP, MMG, Glencore, Impala, Sumitomo, OZ Minerals, Cristal Mining, North Parks mine Queensland Nickel, Patrick, Vale and Exxaro.

ISG has also supplied to the following major ports who load the concentrates for major mining companies: Flinders Ports Adelaide and Townsville. The following copper ports in Chile: Port of Angamos, PVSA, Port of Mejillones, ATI, ITI, EPA. In Mexico: The port of Guaymas, HPH terminals the port of Manzanillo, the port of Rosario in Argentina.



Awards

- › 2017 DCN Environment and Safety award – Winner.
- › 2017 ALABC Business Excellence award – Winner
- › 2015 NSW Environment Export award – Winner.

Company Profile

Intermodal Solutions Group (ISG) was formed in 2012 in Australia and has grown into a multinational company servicing the mining and grain industries. ISG was successfully awarded to supply the following projects:

- › MMG Las Bambas – Peru
- › Codelco, Andina mine, Teniente mine, Chuquicamata mine (the world's largest mine), Ministro mine, Hales mine in Chile.
- › BHP Spence project – Chile
- › YPFB – Urea in Bolivia
- › OZ Minerals Australia

Leading Products and Services

The Pit to Ship System.

ISG supplies container tippers and bulk mining containers for the logistic, storage and ship loading business units of mining companies and ports on a global basis.

This environmentally friendly system prevents product loss and dust pollution. The containers are loaded at the mine site, weighted, sampled and the lids are then placed onto the containers, not to be taken off again until inside the ships hold.

The containers are either railed or taken by road to the port. The containers are used as storage sheds at the port eliminating the need for expensive labour intensive storage sheds. Once the ship arrives the containers are taken around to the quay side to be loaded with the tippler.

The tippler is the only item the container / bulk port requires for the loading, the system uses current port equipment turning container ports into bulk ports that are EPA approved.

The containers are then taken back to the mine site to start the loop again. **Mined, Sealed and Delivered.**

International and Australian Projects

Codelco, Chile

Codelco, the world's largest copper miner had a need to move copper from their many mine sites in Chile to the ports in an environmentally, productive and safe way.

ISG invited Codelco to Australia to see the Pit to Ship system in operation. Following the visit Codelco utilised the system from the Andina mine, Teniente mine, Chuquicamata mine (the world's largest mine), Ministro mine and Hales mine in Chile.

As a result, Chile has become the world's benchmark for logistics, storage and ship loading of copper concentrates.

Las Bambas Mine, Peru

The Las Bambas mine was seeking a logistic and ship loading system to move copper concentrate 1,000KLMs from 5,000 meters high to sea level using both rail and road. Key logistical challenges included the need to pass sensitive sites such as the world heritage listed City Of Cuzco, crossing from the road leg to the rail leg, and a complete lack of storage facilities at the port.

ISG supplied the container and tippler system. The containers loaded with copper concentrate are moved by road from the mine site 400klms to a cross docking rail head to be railed to the port of Matarani. The containers are taken off the wagons with the tippler and loaded into hoppers that transfer the copper into the ships hold. The containers are then sent back to the mine site to start the loop again. **Mined, Sealed and Delivered.**

BHP Spence project, Chile

BHP Spence required a system to move copper concentrates to the port of Mejillones in the north of Chile. Key challenges in railing the cooper down to the port was pollution and once at Port there was no room for unloading large wagons.

The port of Mejillones was given the task and awarded ISG the supply of containers and tipplers for this project. The containers are now loaded at the mine site weighed, sampled then railed to the port. The containers are unloaded at the port and used as storage sheds until the ship arrives. Once the ship arrives the containers carrying 30ton of copper each are taken around to the loading shed and placed into the hoppers. This is the first time the lids are taken off since loading at the mine site. The tipplers uses the ISG patented lid lifter to automatically lift the lid. The containers are then taken back to the mine site to start the loop again. **Mined, Sealed and Delivered.**

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