



RUSU CONSULTING

Independent Bulk Logistics Consultancy

Delivering Comprehensive Supply Chain Assessments

**15+ Years of Mining Logistics Excellence
50+ Projects Completed Globally**

ABN: 61 558 798 142

59 Matthew Flinders Drive, Encounter Bay
South Australia, 5211, Australia

Phone: +61 (422) 895 173
Email: mrusu@adam.com.au
Web: www.rusuconsulting.com

About Rusu Consulting

Rusu Consulting is an independent logistics consultancy business headquartered in Encounter Bay, South Australia, specialising in bulk minerals transport and supply chain solutions. Established in 2008, we have evolved into a trusted partner for mining companies, manufacturers, and project developers seeking expert logistics guidance for projects across five continents.

With over 15 years of specialised experience in mining logistics, Rusu Consulting provides comprehensive assessments and cost estimates for moving bulk products, ores, and concentrates from mine sites to destination ports worldwide. Our services span the entire logistics spectrum including road, rail, sea, overland conveyors, and hybrid transportation solutions.

The business owner, Mirel Rusu, brings extensive industry knowledge with a Master's degree in Logistics and Supply Chain Management, plus significant experience in rail operations with Freightlink (Adelaide-Darwin corridor), where he managed winning bids for major mining projects including Territory Iron, Prominent Hill, and Bootu Creek.

Core Capabilities

Pit-to-Port Logistics Studies

- Supply chain operational planning and cost assessments for bulk minerals transport by road, rail, overland conveyors, air, barges, and sea
- Assessment of transport infrastructure requirements, including road networks, rail corridors, port facilities, and storage capabilities
- CAPEX and OPEX estimations for both new and existing mining projects in Australia and internationally

Transport Mode Optimisation

- Road transport feasibility including task reliability, operational parameters, legal requirements, and traffic impact studies
- Rail network assessments covering corridor paths, virtual trains, task optimisation, rolling stock requirements, crew costs, and infrastructure needs
- Port logistics evaluation including unloading, storage, and ship loading capabilities

Supply Chain Optimisation

- Development and implementation of transport optimisation models for existing mining operations
- Fleet optimisation, procurement optimisation, and operational assessments to improve performance with minimal cost impact
- Assessment of logistics management systems and automated data gathering software for materials handling and storage operations

Green Supply Chain Transition

- Cost-benefit analysis of electric versus diesel transport assets for sustainable logistics operations
- Strategic guidance on implementing green policies with optimal timing and minimal CAPEX/OPEX impact
- Balancing environmental objectives with operational efficiency and cost considerations

Traffic Studies & Surveys

- Traffic volume and flow analysis using professional-grade TMS-SA4 traffic counters (radar technology)
- Peak and off-peak traffic pattern analysis to identify congestion points and operational issues
- Road viability assessments for proposed bulk transport operations



Sumatra



Mozambique

Comprehensive Services

- **Logistics Studies:** Detailed feasibility studies at PFS and DFS levels covering all transport modes and cost parameters
- **Export Studies:** Comprehensive assessments of shipping options including bulk, bulk containers, and GP containers
- **Peer Reviews:** Independent critical assessments of logistics studies prepared by third parties
- **Due Diligence:** Independent review of logistical parameters in existing or proposed bulk logistics operations
- **Contract Negotiation:** Negotiation of road and rail haulage contracts on behalf of clients with clear KPIs and accountability
- **Direct Shipping Solutions:** Development of shipping strategies for remote locations with limited transport infrastructure

Why Choose Rusu Consulting

- 1. Specialised Expertise:** Over 15 years dedicated exclusively to bulk minerals logistics with deep industry knowledge and extensive transport industry connections
- 2. Global Reach:** Experience across five continents with projects in Australia, New Zealand, Indonesia, Africa (Mozambique), and beyond
- 3. Proven Track Record:** 50+ successfully completed projects with consistently positive client feedback on quality, timeliness, and budget adherence
- 4. Cost Optimisation Focus:** With logistics costs accounting for up to 80% of total project capital and operating costs, our technical insights deliver significant value
- 5. Independent Perspective:** Unbiased assessments free from service provider conflicts of interest, ensuring recommendations serve client interests exclusively
- 6. Comprehensive Network:** Strong relationships with national logistics operators including rail companies, road transport providers, and port authorities
- 7. Modern Approach:** Forward-thinking solutions incorporating sustainable practices and green supply chain transitions



Recent Project Highlights

Agincourt Resources - Sumatra, Indonesia (2023)

Project Type: Road logistics optimisation for gold mine operations

Challenge: Assessment of alternative lime and limestone sources 100km from mine site in challenging traffic and infrastructure environment

Solution: Comprehensive 76-page study including traffic surveys on three routes using digital counters, road infrastructure assessment, and cost-benefit analysis of electric vs. diesel trucks

Outcome: Detailed operational plan with CAPEX/OPEX estimates, optimal route selection, asset replacement schedule, and implementation strategy currently underway

Global Lithium - Western Australia (2023-24)

Project Type: DFS-level logistics study for Manna lithium spodumene project

Challenge: Evaluate road and road/rail hybrid options in competitive logistics environment with limited rail and port capacity

Solution: Comprehensive audit of road, rail, and port facilities in Kalgoorlie, Esperance, and Kwinana; route optimisation; comparison of owned vs. service provider operations; shipping method analysis

Outcome: Complete DFS-level study with CAPEX/OPEX estimates, operational planning, port storage strategies, and recommendations for future development

TiGa Minerals and Metals - New Zealand (2022)

Project Type: DFS-level logistics study for Barrytown mineral sands project

Challenge: Navigate rail infrastructure limitations and port constraints in South Island with competitive logistics environment

Solution: Visual inspection of roads and rail terminals in Rapahoe, Lyttelton, and Timaru; assessment of multiple port options; comparison of bulk, bulk container, and GP container shipping

Outcome: Detailed DFS study incorporated into Palaris Australia's feasibility study; project developing rapidly with clear operational roadmap

Professional Qualifications & Experience

Academic Credentials

- Master's Degree in Logistics and Supply Chain Management - University of South Australia, Mawson Lakes
- Master's Degree in International Studies - University of South Australia, Adelaide
- Graduate Diploma in Economics - Academy of Economics, Bucharest, Romania

Industry Experience

- 15+ years providing logistics consultancy services to mining and manufacturing sectors
- 4 years rail industry experience with Freightlink (Adelaide-Darwin corridor) as Senior Business Analyst
- 12 years export/import operations and international shipping experience across three continents
- Project management of winning bids for Territory Iron (Frances Creek), Prominent Hill, and Bootu Creek mining projects

Industry Recognition

- Published articles in "Dry Bulk," "Mining Magazine," and "South Australian Mines and Energy Journal" since 2013
- "The Hidden Risk" presentation won Best Mines and Money Presentation (London, December 2015)
- Successful delivery of "A to Z of Mining Logistics" workshop at Pit to Port conference (Perth, February 2012) and subsequent events
- Regular presenter at mining and logistics forums and conferences worldwide



Kalimantan

Client Testimonials

"We found Mirel to be extremely conscientious and thorough in the delivery of the logistics scoping study we commissioned from him. His numerous transport industry contacts allowed him to put together a comprehensive document very quickly. To compliment all this, it was delivered on time and on budget. Great work!"

— **Andrew James**, Managing Director, Phosphate Australia Limited

"I'd recommend Mirel Rusu of Rusu Consulting to anybody looking to understand and estimate logistics costs for bulk minerals. This could be for new projects or for a company looking to optimise existing logistics. With logistics costs for bulk minerals accounting for up to 80% of the total project capital and operating costs, having the technical insight of an industry specialist is invaluable."

— **Stephen Hunt**, Director, Standout Group Pty. Ltd.

"Minemakers Limited engaged Mirel and Rusu Consulting to undertake a review of the logistics study for the Wonarah feasibility study. I would be happy to recommend Mirel and Rusu Consulting to any other company seeking analysis and advice on logistics associated with mining operations. The URB report was comprehensive yet concise, it addressed all of the specific issues that we had requested be considered and the conclusions were clear and well expressed. The review was requested at short notice with a quick turnaround required and Mirel responded very quickly to our request. The work was completed on time and within budget."

— **Neville Bergin**, General Manager - Projects Development, Minemakers Limited

"Baobab Resources commissioned Mirel to carry out a logistics scoping study for an iron ore project in Mozambique. The project included a site investigation and high level meetings with Ministries and transport organisations during which Mirel's input and professional knowledge was essential. It was a pleasure to work with Mirel from a professional and personal point of view."

— **Christian Kunze**, Consultant Project Manager, Baobab Resources / Owner, NPV Consulting

Selected Past Clients

Rusu Consulting has provided services to a diverse range of mining companies, manufacturers, and project developers including:

Mining & Resources Companies:

Minemakers Limited, OZ Minerals, Baobab Resources, Territory Iron (Territory Resources), Buxton Resources, BHP Billiton, Centrex Metals, IMX Resources, VSA Group, Perpetual Resources, Phosphate Australia, Global Lithium, TiGa Minerals and Metals, Agincourt Resources

Manufacturers & Suppliers:

Knauf, COLAS Australia

Quarrying Operations:

Moz Quarries, Central Limestone Aggregates

Industry Relationships

Rusu Consulting maintains strong working relationships with major national logistics and supply chain operators including:

Rail Operators:

One Rail Australia, Aurizon, Qube Rail

Road Transport:

Linfox, Qube Logistics, NQX Freight System, Northline, Toll, NTFS

Port Authorities:

Darwin Port Corporation, Flinders Ports, Port of Melbourne, Geelong Port, Port of Portland, Port of Townsville, TasPorts, Port Authority of New South Wales

Infrastructure:

ARC Infrastructure, ARTC

Contact Information

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ABN: 61 558 798 142

Address:

59 Matthew Flinders Drive
Encounter Bay, South Australia 5211
Australia

Contact:

Phone: +61 (422) 895 173

Email: mrusu@adam.com.au

Website: www.rusuconsulting.com

Principal:

Mirel Rusu - Business Owner & Principal Consultant

Delivering Excellence in Mining Logistics Since 2008