Rail Logistics Laboratory

Enhancing understanding of rail customer behaviour.

SMART Infrastructure Facility’s Rail Logistics Laboratory was established in 2011 with NSW RailCorp funding of $10 million, to facilitate better rail infrastructure planning and management. The lab undertakes key research that applies international experience, operational know-how, simulation, modelling and analysis.

Currently, the lab is building models for rail service providers that enhance understanding and appreciation of customer behaviour – whether it is freight or commuter customers.

SMART’s Rail Logistics research focus covers the following:

- Systems considerations in asset investment
- Education and training for rail professionals
- Improving customer service
- Constraint modelling to enhance rail capacity

In addition to the research undertaken within the lab, key staff act as consultants to a range of rail providers at all levels.

Contact us for more information

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TEAM
- Mr Andrew McCusker

PROJECTS
- Constraint modelling of railway system
- Enhancing corporate capability and service delivery through advanced geosocial intelligence

SENSORMATICS
These five research streams have been developed through a process of industry and government consultation, and they reflect the need to cover gaps in existing research and to develop new tools for better planning and management of rail infrastructure.

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