RAIL SYSTEMS
AUSTRALIA

STEERING THROUGH COMPLEXITY

Fostering the adoption of innovation and technology to tackle the challenges of technological change.

Rail Systems Australia is an independent rail systems engineering practice leading the way in the adoption of technology and innovation to support the delivery of safe, reliable and optimised rail networks.

As an organisation we can demonstrate engineering excellence in telecommunications, signalling, train control and asset management, and the innovative technologies that underpin them. The expertise of our collective team is backed by technical know-how, practical experience and working knowledge of rail systems worldwide.

Our vision, for all Australians to prefer rail transportation, is central to everything we do. Working with clients in planning for the future, our driving force is to help them deliver the safest, most economical and most environmentally sustainable transport systems in Australia. Because of our knowledge, passion and resourcefulness, we are actively sought as a rail systems technology change agent of choice.

RAIL SIGNALLING

Conventional rail signalling remains a pivotal component of many rail networks. However, as new technologies come to the fore, its integration with telecommunications has become more prevalent for creating safer and more efficient networks.

While we provide a range of services to maintain and preserve legacy systems in optimal operation, we are increasingly supporting our client's interfaces to newer technologies.

RAIL TELECOMMUNICATIONS

Telecommunications is the backbone for an efficient and safe rail operation, and is central to addressing the diversified technology demands from rail operators in advancing their rail networks.

Railway systems can be intricate and the interaction between multiple systems can become complex particularly when interfacing with other technologies. This is where our in-depth experience and practical knowledge of business critical communications systems brings the most value.

AUTOMATIC TRAIN CONTROL

Significant change is underway in the Australian rail industry, with automation fast becoming the echelon of rail technology as operators move to achieve safety and capacity outcomes.

Rail Systems Australia brings a comprehensive and practical understanding of the complexities in converging signalling, telecommunications and advanced train control into any project requiring the deployment of state-of-the-art technologies.

ASSET MANAGEMENT

The Rail industry is increasingly turning to systems engineering and assurance practices to maintain optimal utilisation, performance and health of its rail networks.

Our approach to asset management is alignment with overall business imperatives such as safety, efficiency, capacity, customer experience or other operational drivers We proactively work with rail operators in supporting the move from being reactive and maintenance-driven to a strategic framework that is diagnostic, predictive and cognitive.
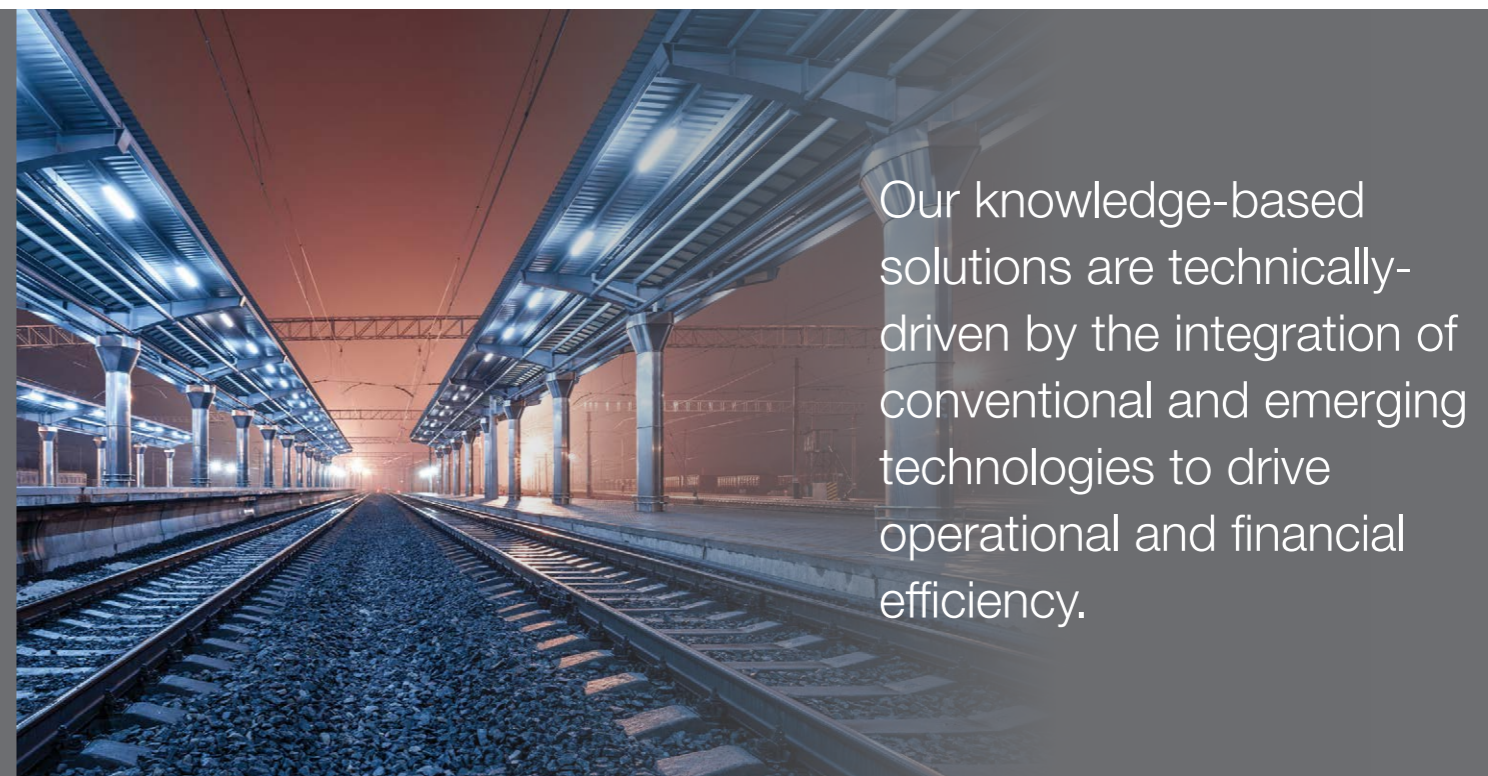
›› OUR APPROACH

Rail Systems Australia has built a reputation for being flexible and adaptable to the changing rail environment that is being experienced in Australia. We work collaboratively with clients to help them better understand the challenges of cutting-edge technological change and how integrated planning can help achieve their goals.

We do not shy away from these challenges rather we foster technology and innovation to deliver technically-sophisticated, high-quality solutions for modern railway systems. This approach stems from our values and sets us apart from our competitors.

›› TECHNOLOGY

Railway networks are complex systems that mesh several disciplines and technologies. We use our expertise to guide the industry as it transitions to the modernisation of its rail systems by helping to better understand the technological challenges and providing technical capability to support the delivery of world-class rail networks.

When considering emerging technologies, we take an integrated approach and exploit all opportunities that can create outstanding outcomes.

Our knowledge-based solutions are technically-driven by the integration of conventional and emerging technologies to drive operational and financial efficiency.

RAIL SYSTEMS
AUSTRALIA

ADVISORY AND ENGINEERING SERVICES TO STEER THROUGH COMPLEXITY

Rail Signalling | Rail Telecommunications | Train Control Systems | Rail Asset Management

ADVISORY

SOLUTION DELIVERY

OPERATIONAL SUPPORT

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