

TRANSPORT FLEET STRATEGIC AND TECHNICAL ADVICE

Our staff have worked in senior executive management and delivery roles across public utility organisations, State transport agencies, technology providers and rail operators.

Indec provides informed and innovative advisory services that have enabled Government and private transport operators to reach and exceed their customer outcome goals.

Since 1982, we have been assisting clients in developing and delivering highly complex programs and projects – from our first major assignment in helping deploy the F/A-18 Hornet fighter jets to recently guiding the operational readiness of Australia’s first fully automated metro rail system in Sydney.

Indec’s commissions extend from providing clients with a critical technical expert to building large consulting teams that accept responsibility for delivering complex multi-year projects. Similarly, our transport fleet work ranges from rapid strategic and operational reviews to large programs of work such as technical and commercial services for major fleet procurement programs for the Melbourne, Sydney and Brisbane public transport networks.

We have helped deliver substantial transport network improvements for customers through strategic fleet planning; feasibility and business case studies for fleet procurement and enhancements; commercial, transactional and technical delivery services; concepts of operations for new fleets and asset management services.

Our transport fleet advisors are located in Sydney, Melbourne and Brisbane providing clients with the following services:

- Fleet and maintenance strategic planning
- Fleet procurement needs and options analysis, requirements, business cases and gateway procedures and reviews
- Transaction management of fleet procurement
- Technical advice and project management of fleet delivery
- Independent verification of new fleet
- Testing and commissioning
- Condition review of existing rollingstock
- Fleet operations and maintenance benchmarking using worldwide best practices
- Modelling and concepts of operations for maintenance facilities
- Conceptual design of maintenance and renewal facilities
- Concepts of operations and operational readiness of the introduction of new fleets
- Monitoring of fleet performance
- Asset management planning and optimisations



PROJECT EXPERIENCE

High Capacity Metro Trains Public-Private Partnership Technical Advisor | Department of Transport

Melbourne, VIC, Australia | 2016 – 2024

Indec is providing technical advisory, project management, systems engineering, requirements reliability management, design development assurance, verification and validation, commissioning and handover as well as safety and risk services. Through intimate knowledge of the public-private partnership contract documentation, Indec seamlessly transitioned from the pre-contract phase of the project to the post-contract delivery phase. Our extensive expertise continues to provide the required level of service and support in the specialist technical areas to aid effective decision-making.



Regional Rail (Fleet) Independent Certifier technical Advisor | Transport for NSW

Sydney, NSW | 2019 – 2020

Indec has partnered with APP Corporation to provide Independent Certifier services for the NSW Regional Rail Project fleet being delivered by Momentum Trains under a \$2.8B public-private partnership. The project will deliver a new fleet of 29 bi-mode long-distance trains. The new bi-mode functionality, a first for trains in Australia, will allow the fleet to use the overhead power supply while travelling on the electrified section of the regional rail network. As the Independent Certifier, Indec reviews and verifies the design documentation, manufacture, testing and commissioning of the new rollingstock fleet. Our role is to ensure that the project is being delivered in accordance with the Project Deed, the Project Scope and Requirements and the relevant Standards. Verification activities are carried out through the design, manufacturing and testing phases culminating in Certification of Acceptance of the rollingstock.



New Generation Rollingstock Accessibility Variation Project Independent Certification | Queensland Department of Transport and Main Roads

Brisbane, Queensland | 2019 – 2020

Indec provided independent certification services of the design and manufacturing process of the 75 structurally modified New Generation Rollingstock passenger trains to ensure compliance with the Commonwealth Disability Standards for Accessible Public Transport 2002. With a primary focus on the design stage of the project, the project called on our subject matter experts for the verification of interior-toilets, carbody shell, interior-saloon interior and gangways, brakes and heating, ventilation and air-conditioning. A key challenge has been the need to understand and manage the interests of a large number of stakeholders through the design documentation phase in an accelerated 10-month design, review and certification process.



- Brisbane Metro (Fleet) Project Verifier | Brisbane City Council | 2020
- Cross River Rail European Train Control System Independent Certifier Technical Advisor | Cross River Rail Delivery Authority | 2020
- New Intercity Fleet Operating Model Review | Transport for NSW | 2020
- Oscar & Millennium Train Fleets Mid-life Upgrade Final Business Case | Transport for NSW | 2019 - 2020
- Waratah Rollingstock Automatic Train Protection Project Management | Transport for NSW | 2019 - 2020
- X'trapolis2 Concept Design Options and Input to the Business Case | Transport for Victoria | 2019
- Program Management Services Rollingstock Overhauls | Yarra Trams | 2019
- Project Management of Train Set Repairs | Sydney Trains | 2019
- Wyndam Vale Stabling Yard and Train Maintenance Facility Concept of Operations | Transport for Victoria | 2018
- Preston Tram Workshops Redevelopment Business Case and Technical Advisor for D&C Delivery | Public Transport Victoria and Yarra Trams | 2018
- Technical Advisor for the Waratah Train Project | RailCorp and Transport for NSW | 2008 - 2016

Contact us to find a solution that works for you

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