



AMEL TOKALIC

SENIOR CIVIL
ENGINEER

QUALIFICATIONS

Bachelor of Engineering
(Civil, Construction Management)
University of Sydney

Remote Pilot License

Rail Industry Safety Induction –
National, ARTC, TfNSW

KEY SKILLS & EXPERIENCE

Project Management

Cost, Time and Quality Control

Site Engineering

Track and Civil Design


Infrastructure Condition

Maintenance Planning

Safety and Risk Management

Rail Operational Modelling in Viriato
and OpenTrack

CONTACT DETAILS

 (02) 9637 4952

 Amel@plateway.com.au

 [linkedin.com/in/Amel-Tokalic](https://www.linkedin.com/in/Amel-Tokalic)

PROFESSIONAL EXPERIENCE

Plateway Pty Ltd, Sydney (2017 – Present)

Amel is a Civil and Track Engineer specialising in design, project management and rail asset management.

Since joining Plateway in 2017, Amel has worked on a number of different projects within civil and railway engineering. During this time, he has specialised in project management, civil design, and rail asset and condition management. Amel has overtaken the asset management of the Cobar Branch Lines as well as been the primary civil engineer in Plateway's operations within NSW and WA.

Through this role, Amel has gained considerable experience in working within the rail industry by leading projects from asset inspection and original design drafts through to completion, quality assurance and client handover.

- Planning, designing and supervising work packages across private sidings operating, often at interfaces within the ARTC and John Hollands CRN network.
- Delivering a whole-project approach to infrastructure management. From asset inspection and project conception to design, site engineering and final handover.
- Incoming and outgoing tender package management.
- Site Engineering and Field Surveying for design and as-constructed records.
- Conception and management of internal work processes, safety documentation and risk assessments.

PROJECT EXPERIENCE

Cobar Private Branch Lines – Cobar NSW, 2017 – Present

Scope: Asset Management of two mine yard sidings and approximately 50km of plain track in varying configurations and designs.

Role: Project Manager responsible for ongoing asset management program including detailed inspection, maintenance and expenditure. While in this role, Amel led the following major projects from planning to completion, in addition to ongoing maintenance work typical of private track operations.

- Turnout Construction and Renewal
- Level crossing construction.
- Slab track construction.
- Culvert construction and drainage system renewal.
- Turnout Removal.
- Sleeper and Rail renewal programs.
- Resurfacing programs.
- Ongoing inspection programs including;
- Ultrasonic Inspection,
- Track geometry inspection by recording car,
- Stress-Free Temperature Testing and correction,
- Detailed inspection by visual assessment, track geometry recording, ultrasonic inspection and manual measurements.

Tronox Siding - Ivanhoe NSW, 2018 – Present

Scope: Design, development and procurement for a new rail yard.

Role: Project Engineer responsible for the design of a new private bulk freight yard in Western NSW. This includes;

- Design of track configuration and geometry from formation up.
- Design of track drainage systems.
- Tendering and assessment of turnout designs for suitability to working environment.
- Project planning and costing.
- Incorporation of signaling design into siding configuration.
- Review of siding design against TfNSW and ARTC standards.

PROJECT EXPERIENCE

Rio Tinto Iron Ore Asset Renewal Planning- Karratha WA, 2019 – 2020

Scope: Detailed examination and analysis of mainline turnouts

Role: Detailed inspection and condition analysis of all mainline turnouts on the network including; visual assessment, track geometry recording, rail profile recording and manual measurements. Implementation of a detailed inspection procedure, analysis methodology and condition review system to act as an input into short and long term renewal planning.

Auscott Pty Ltd - Narrabri and Warren Yard, 2017 – Present

Scope: 2 yard sidings, 7km of plain track, a total of 5 turnouts in varying configurations and designs.

Role: Project Manager for a 7 year asset renewal program including turnout and track renewal from formation. Annual detailed inspections of all track components by visual assessment, track geometry trolley recording and manual measurement. Management and assessment of quarterly inspections by subcontractors.

Boral GRA - Thevenard and Kevin Siding, 2017 – Present

Scope: 2 yards, approximately 8km of plain track.

Role: Track engineer responsible for annual detailed inspections, KPI verification and review of risks associated with yard operation. This includes;

- Detailed visual assessment of plain track and loading areas.
- Detailed inspection of private and public level crossing condition.
- Track geometry trolley inspection and analysis.
- Lateral restraint measurement.

Genesee and Wyoming Australia - Whyalla Steelworks Hot Metal Yard, 2018 – Present

Scope: Approximately 4km plain line track and 20 mainline turnouts.

Role: Engineer responsible for annual detailed inspection of hot metal lines in Whyalla Steelworks yard including;

- Detailed assessment of each turnout from both visual and track geometry data
- Track geometry inspection of plain line track
- Level crossing inspection

Pacific National - Sydney NSW, 2019

Scope: Modelling of freight rail operations on the Sydney freight corridor.

Role: Track engineer modelling passenger and freight traffic flows through Sydney Rail and ARTC networks for validation and planning of potential freight paths, to input into a feasibility study of a new intermodal siding.

Transnet South Africa - Ermelo Yard Operations, 2019

Scope: Feasibility study of expanding yard operations.

Role: Modelling engineer responsible for planning of yard operations using a combination of existing and newly developed methodologies and modelling software.

Kenya Railways Corporation - Nairobi Passenger Rail Network, 2019

Scope: Feasibility study of expanding the Nairobi passenger rail network.

Role: Modelling passenger movements and transport requirements to study the feasibility of operating additional lines on the passenger network.