



Improving Job Site Visibility using Telematics

James French

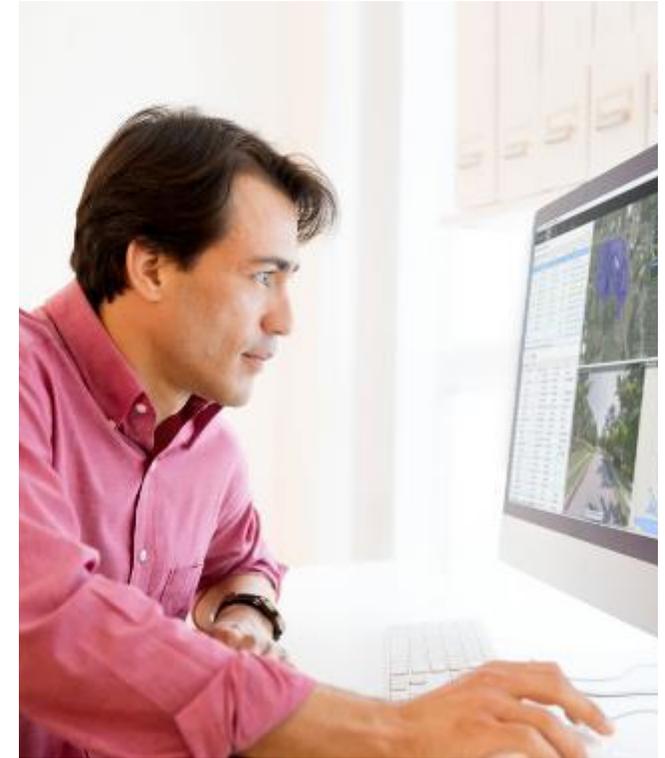
ANZ Manager Construction & Infrastructure.





OVERVIEW

Traditional Telematics
HVNL Risk Management
On Site Traffic Solution
Case Study





Onsite Traffic Management.

Think of it as Air Traffic Control – replacing the Airport with the job site and replacing planes with trucks and yellow iron





TRADITIONAL TELEMATICS

4 PILLARS – WH&S, LOCATION, UTILISATION, MAINTENANCE





HVNL RISK MANAGEMENT

RESPONSIBILITY UNDER HVNL

Like any party in the transport supply chain, you are responsible for preventing breaches of

- Mass,
- Dimension and loading,
- Fatigue,
- Speed and vehicle standards (maintenance) laws.

In short, any time you use a heavy vehicle, regardless of whether it's a company vehicle or a sub-contractor's, you have a shared responsibility to ensure safety and to prevent breaches of the law.





On Site Traffic Management

Managing Risk From Every Angle



—
**ADDRESS
MIXED FLEET
MANAGEMENT
NEEDS**

IN ONE SOFTWARE SOLUTION.

Complete visibility and control through
a single interface.



SET THE STANDARD FOR THE PROJECT

- Set contractual conditions
- Define workflows
- Customise checklists
- Live alerting
- Scheduled reporting
- Demonstrate proactive risk management





SMARTER SITE MANAGEMENT

starts with ensuring
the right people have
the right information.





AUTOMATED COMMUNICATIONS

Automated messaging & alerting

Guidance & training material

Safety forms

Voice communications

Audible alerts





The conversation doesn't stop with people.

Effective communication applies to systems and processes.



IMPROVED VISIBILITY



Traffic management

Live tracking

Exclusion zone alerting

Spoken site safety information

Location records for completed

Workflows

Weigh Bridge Data



IMPROVED VISIBILITY

The screenshot displays the Teletrac Navman web interface for a trip summary. The browser address bar shows the URL `tn360-au.telematics.com/tracking/trips/summary/57691`. The page title is "Shannons Patrol". The interface includes a sidebar with navigation options: Home, Tracking, SmartJobs, Messaging (1), Insights, Reports, Vehicle Maintenance, Easydocs, Journey Planner, Fatigue, and Settings. The main content area shows the trip summary for "Shannons Patrol" on 15 Feb 2021. The trip starts at 06:21 PM at Home, Ebony Drive, Hamlyn Terrace, NSW, and ends at 04:51 PM at Warnervale Road, Hamlyn Terrace, NSW. The total duration is 1 day 15 minutes. The trip summary includes several geofence events: Geofence Entry at 06:20 PM, Geofence Exit at 06:08 PM, and Geofence Entry at 06:07 PM. The map view shows the route in pink, with a speedometer and altitude graph below it. The speedometer shows a maximum speed of approximately 60 km/h, and the altitude graph shows a maximum altitude of approximately 30 meters. The map view also includes a "Screenshot" button.

Time	Location	Distance	Event
15 Feb 2021 06:21 PM	Home, Ebony Drive, Hamlyn Terrace, NSW	17 minutes	Start
15 Feb 2021 06:20 PM	Home, Warnervale Road, Hamlyn Terrace, NSW		Geofence Entry
15 Feb 2021 06:08 PM	Home, Ebony Drive, Hamlyn Terrace, NSW	1 minute	Geofence Exit
15 Feb 2021 06:07 PM	Home, Warnervale Road, Hamlyn Terrace, NSW		Geofence Entry
15 Feb 2021 06:04 PM	Tenison Woods Close, Woongarah, NSW	7.5 km	
1 hour 7 minutes			
15 Feb 2021 04:56 PM	Tenison Woods Close, Woongarah, NSW	5 minutes	
15 Feb 2021 04:51 PM	Warnervale Road, Hamlyn Terrace, NSW	1.3 km	End
1 day 15 minutes			

A yellow excavator bucket is shown in mid-air, tilted downwards. The bucket is filled with dark brown soil, and a stream of soil is falling from the bottom edge. The background is a clear blue sky with some light clouds. The text "Manage your project efficiency with actionable insights." is overlaid on the right side of the image in a white, bold, sans-serif font.

**Manage your
project efficiency
with actionable
insights.**



REDUCE COSTS

INCREASE EFFICIENCY

- Improve safety outcomes
- Reduce downtime
- Identify waste
- Manage bottle necks
- Paperless environment
- Streamlined reconciliation
- Total life of project reporting





—
ALL MAKES,
MODELS AND
YEARS.
ONE PLATFORM.



CASE STUDY

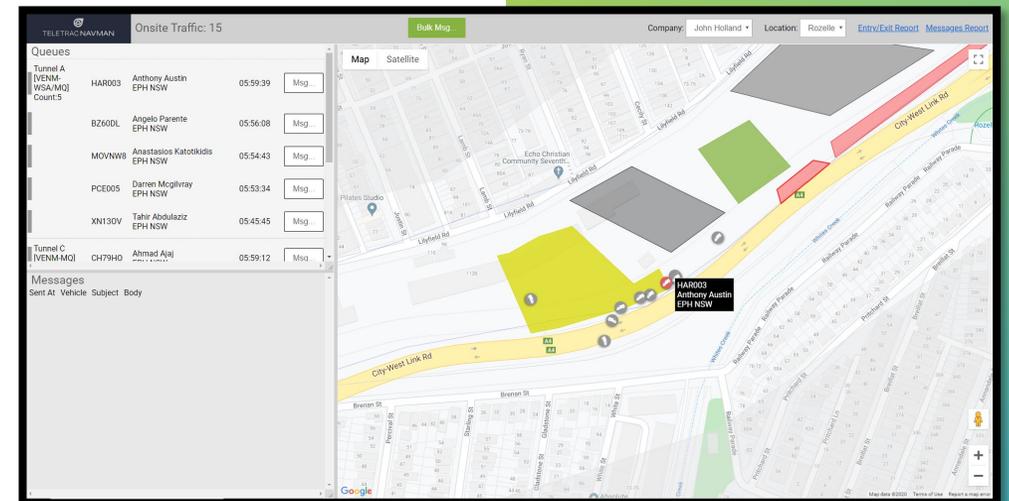
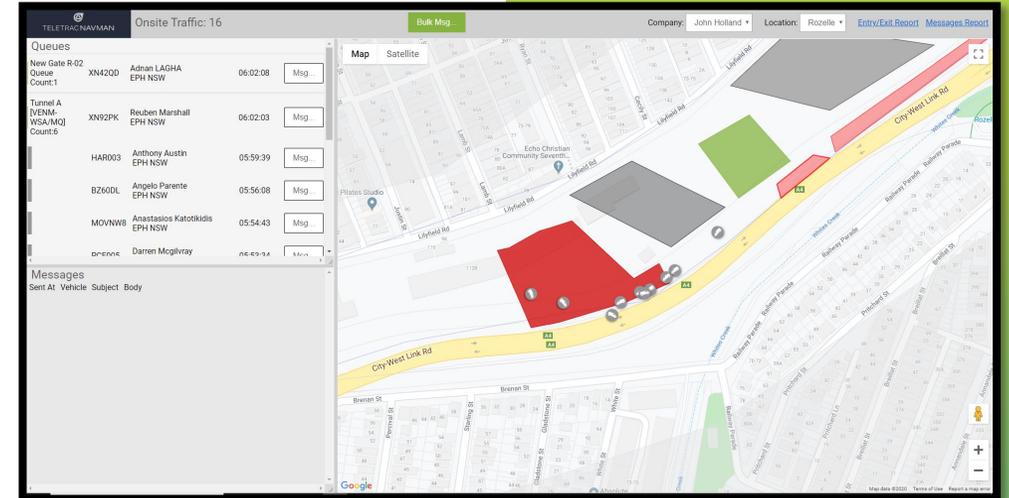
ROZELLE INTERCHANGE: PROJECT WESTCONNEX

The Rozelle Interchange and Iron Cove Link provides a new underground motorway interchange to City West Link and provide an underground bypass of Victoria Road, with links to the proposed Western Harbour Tunnel.

The purpose of the Onsite Traffic management system is to enable the safe and efficient movement of vehicles onsite, while providing objective evidence of all loads in a paperless environment. Key benefits include:

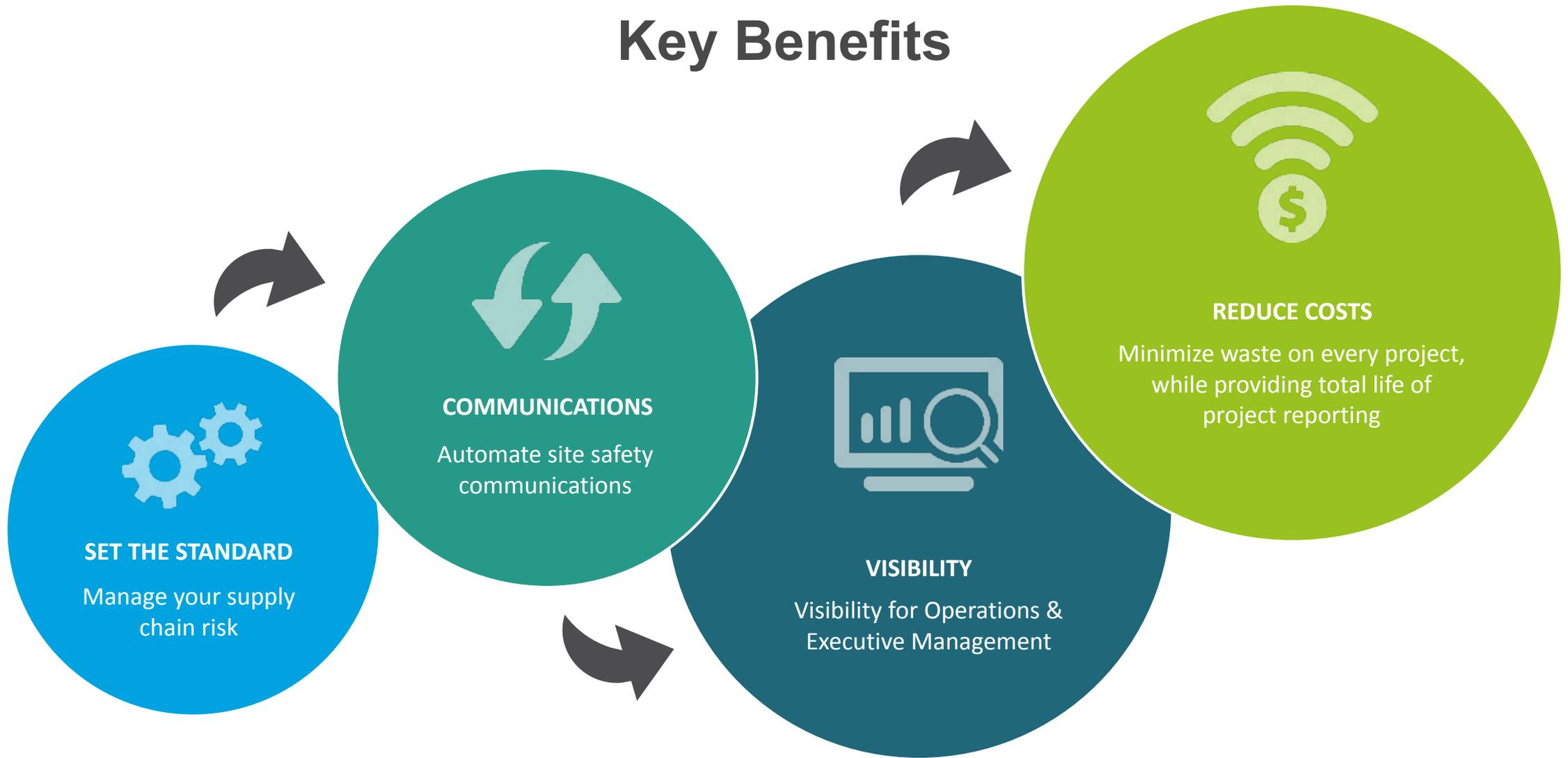
- Records of all vehicle movements onsite
- Declarations of all load types and mass
- Records of all tip site entry/exit
- Driver guidance & communications

Requirements for the inclusion of in-cab display in all haulage contractors' vehicles is stipulated in the haulage contract.





Key Benefits





QUESTIONS?



Thank you.