



Get powerful insights into your changing world.

An irrepressible spirit of inquiry is reshaping our world—and helping us find new and better ways of working, moving, and living.

Increasingly rich and diverse datasets are fuelling this quest for knowledge. Data alone doesn't provide the answers you need to understand your organisation, achieve your goals, deliver value, and keep improving.

Only those who can flexibly harness, interpret, and use data will take the lead.



Who is netBI?

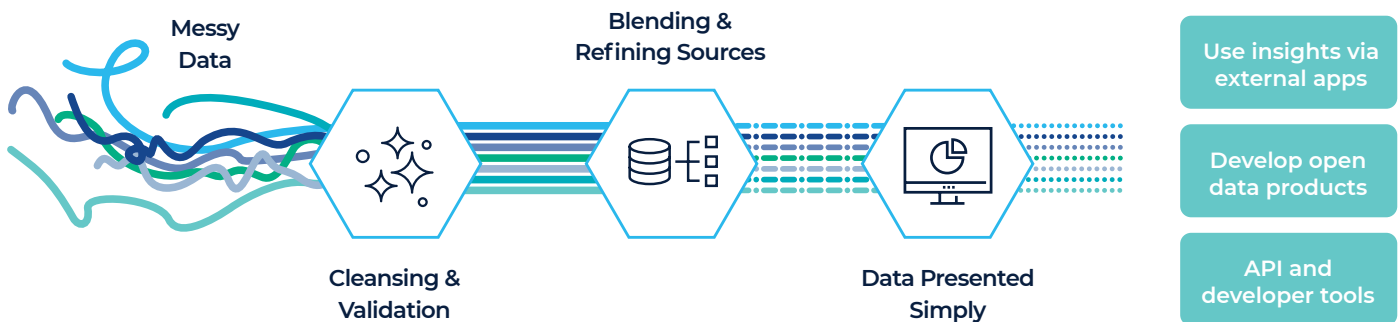
Australia's leading Software-as-a-Service (SaaS) data platform and analytics solution for the transport sector. We offer data science consulting services and a market-leading data platform that enables our clients to automatically prepare, store, fuse and analyse real-time streams and historical data sets from any system in one cloud-based solution, with market-leading ML and AI applications for deep insights.

We deliver a proven SaaS cloud data platform for organisations in three key industry sectors:



What does our technology do?

netBI's end-to-end, scalable cloud data platform turns massive amounts of data into meaningful insights.



- ✓ Ingest & store all client IoT devices and API datasets
- ✓ Structured & unstructured data
- ✓ Real-time streams & historical data
- ✓ netBI's market-leading algorithms automate data QA, error detection/correction, fusion and contextualisation
- ✓ Powerful data platform that allows AI/ML analytics & modelling
- ✓ Reporting and visualisation tools

Supported structures: Data Warehouse | Data Lake | Lake House

A single, secure, scalable cloud platform

Why choose our SaaS cloud platform vs. building your own data platform?



Reduce your data platform development project spend and time by 95% with our COTS data platform solution



Minimise implementation risks and supercharge data science projects



Slash your on-going development, licensing and systems maintenance costs by up to 80%



Democratise data access in the cloud with a scalable, centralised hub



Reduce your technology legacy risk, with our continuously evolving SaaS platform



Readily adopt market-leading AI and ML applications



Up to 85% of data science, analytics, and AI projects fail to achieve their project objectives. Choose netBI's proven SaaS platform to reduce your cost, time and solution performance risks. Accelerate your journey towards data-driven decision making today.



Superior traffic intelligence starts here.

Congestion is costly and reduces the liveability of cities. Having greater control of traffic flow—to improve the accessibility, safety and reliability of road networks—requires getting a clear grasp on the true impact of congestion. Our platform delivers AI analytics to help you transform your approach to traffic management and congestion economic modelling.

netBI's **Costs and Causes of Congestion** analytics tool lets you:

- ✓ Fuse and interpret data from a variety of road sensors, and multiple other devices/systems
- ✓ Determine the causes of congestion and identify 'abnormal' events
- ✓ Understand the flow-on effects when traffic is disrupted or diverted
- ✓ Quantify the costs of excessive congestion, accidents, roadworks and weather events

Our Congestion Platform can process millions of data sets daily to analyse congestion at an unprecedented speed and scale, including external sources like weather observations/predictions to provide deeper context and stronger predictive powers.



Sense-making for innovative road and traffic management.

Through advanced AI and ML algorithms, our platform automatically calculates the costs and causes of congestion for insights that can be used to:



Easily identify and rank by cost of congestion problematic roads, routes, suburbs or local government areas



Analyse traffic data pre- and post-construction to evaluate the economic impact of infrastructure projects



Analyse roads and traffic data based on speed, volume, level of service, and vehicle kilometres travelled.



Get real-time insights to inform traffic and signal management



Develop business cases and prioritise infrastructure investment decisions



Deploy resources for managing incidents more wisely based on a clearer picture of congestion effects



Support business case submissions to national bodies such as Infrastructure Australia, utilising recommended Australian standardised values validated by Austroads in calculating costs of congestion.



Integrate other transport network data to understand the effect congestion has on public transit services



Eliminate the need for expensive traffic surveys



Understand what's normal for different roads based on daily and seasonal changes in traffic flow



More accurately monitor the impact of capital works projects



Predict congestion levels that will arise from special events such as a Grand Final day

...and there are thousands more ways data can be viewed and analysed using netBI.



Adopt next-generation intersections for smarter, safer road management.

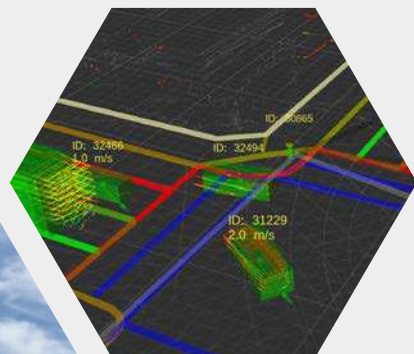
Understanding the behaviour of all road users and optimising traffic signals are critical to managing traffic and improving road safety.

We partner with Australia's LiDAR-based **traffic monitoring solution** and provide road managers with an unprecedented level of rich data sets to improve the efficiency of traffic flow, identify safety incidents, and provide unparalleled engineering insights.

- ✓ Access precise data on vehicle, pedestrian and cyclist movements (including 3D measurements)
- ✓ Improve incident and accident investigations with detailed data sets regardless of environmental conditions (more reliable than video footage)
- ✓ AI-driven detection of 'near-misses' & potential safety hazards to improve road and intersection safety designs
- ✓ Develop profiles of driver behaviour to predict and plan responses
- ✓ Enable evidence-based safety initiatives and signal management
- ✓ Use real-time capabilities to deploy resources instantly to hazards
- ✓ Explore the potential of real-time alerts to connected vehicles

Solution features

- ✓ LiDAR sensors and equipment installed at lights/intersections
- ✓ Real-time on-site processing to generate object model data
- ✓ Processing, cleansing & analysis of data at scale on netBI's platform
- ✓ AI-driven insights via netBI's self-service dashboards and BI tools



What is LiDAR?

Laser-based radar that captures millions of 'points' of information in 3D space that collectively are converted to object models for a centimetre-accurate view of every moving and stationary object.

For road agencies who want a partner with data science expertise and unmatched experience in the design and delivery of bespoke data solutions, underpinned by excellent project management:

netBI brings unrivalled industry expertise and system design, integration and implementation experience to unique data projects that require the infusion of complex transport datasets. Extend and build on your strategic data competencies with netBI's data science consulting services to progress important projects. We can create unique ML algorithms, and enrich your internal data by incorporating contextual information such as BoM weather updates, demographics and ABS data, and more.



"TMR first looked into creating this analytics tool about five years ago, and with the dedication and perseverance of the team here at TMR, combined with netBI's data solutions expertise, we were able to come up with an innovative solution that allows TMR to make more informed decisions.

The netBI team brought an impressive level of expertise and experience to the project that delivered an excellent final solution."



Department of Transport and Main Roads Chief Engineer, Dennis Walsh



A safe choice

We have hosted sensitive data for Government agencies and private companies for over 10 years in the cloud and we have never had a data security breach.



A proven and compliant Australian cloud data platform.



Designed for incredible speed

Separate infrastructure for data loads and insight delivery ensures rapid responses.



Optimised for efficient storage

Market-leading compression and storage technologies help reduce your cloud processing costs.



Cloud-based experience

Scalable and cost-effective. Nothing to download. Unlimited end-user base.



Secure, controlled access

ISO 27001:2013 certified. Best-practice security supports better data governance.



A wise choice

You benefit from the collective sharing of industry best-practice data solutions and cutting-edge applications as we continually develop and improve our data platform across our clients.



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