> These **systems have become a template** for how vehicle movement data should be collected nationally. The RMS continues to regard Objective as a value-adding technology partner.
>
> **Transport for NSW Roads and Maritime Services**

ORGANISATION
NSW Roads and Maritime Services

INDUSTRY
Road and Vehicle Transport

COUNTRY
Australia

SOLUTION
Custom-built solution

BENEFITS AT A GLANCE

Improved efficiency
Risk-based screening minimises the cost and intrusiveness of compliance activity

Rich data
Data from sensors and other sources is analysed to recommend risk-based intervention, as well as identify and respond quickly to emerging risk profiles

Minimised disruptions
Automated screening lanes have improved traffic flow and minimised disruption for compliant vehicle operations

Achieve best safety outcomes
Reduced manual practices with the introduction of automated screening allow the RMS to use its resources more effectively

Automating routine RMS heavy vehicle screening

Roads and Maritime Services (RMS, now Transport NSW Roads and Maritime Services) is the New South Wales Government agency responsible for delivering safe and efficient journeys throughout NSW. Their projects and programs improve the safe and reliable movement of people and goods by various transport modes. With an increase in heavy vehicle traffic, the RMS needed to enhance their screening process and together with Objective, used risk-based data to automate routine screening.

Their duties involve managing the road network, optimising travel times, providing capacity and maintenance solutions for road and maritime infrastructure, educating and licencing drivers and vessel operators, registering and inspecting vehicles and vessels and improving both road and maritime safety.

RMS projects and programs improve the safe and reliable movement of people and goods by various transport modes, including through the road freight network, NSW waterways, public transport network and active transport such as cycling and pedestrian areas.

Objective (formerly Itree) has partnered with RMS to deliver transport technology solutions for over a decade, providing software that uses data captured by a network of over 400 devices for compliance and enforcement. Objective developed software for RMS that also manages the devices – cameras, height and weight measurement systems and other road sensors – processing the data captured to extend the analysis of vehicle movements and incidents more broadly.

GROWTH IN VEHICLE MOVEMENTS PROMPT SCREENING ENHANCEMENTS

The Heavy Vehicle Safety Screen Program uses Heavy Vehicle Safety Stations (HVSS) situated throughout NSW. Heavy vehicles with a Gross Vehicle Mass (GVM) over specified limits must enter the HVSS to ensure the vehicle meets safety standards and that their drivers comply with road transport laws. The program seeks to intercept and inspect heavy vehicles that may be operating illegally or are non-compliant and therefore pose a risk for road users, the road infrastructure or the environment.

Continued growth in vehicle movements over the first two years of risk-based screening led the

**GREAT GOVERNANCE >>>
BETTER BUSINESS**

Objective

RMS to seek enhancements that would provide the same or better level of assurance without a commensurate increase in compliance resources.

Consideration was also required for the inclusion of a wider range of screening technologies and camera vendors.

SOLUTION: IMPLEMENTING RISK-BASED HEAVY VEHICLE SAFETY SCREENING

In 2011, Objective (formerly Itree) became the prime technology software partner for RMS to implement risk-based heavy vehicle safety screening. The goal was to develop enhancements to the software solution, based on further analysis of risk factors.

To identify potential improvements, Objective analysed inspection outcomes recorded in the first two years and profiled this against traffic flows and levels of non-compliance. This was used as the foundation for a business case to secure funding for a system upgrade.

Objective proposed a comprehensive test strategy involving laboratory simulation and testing of operating scenarios, coupled with a progressive rollout of the upgraded system. This approach mitigated technical risks, reduced downtime and allowed fine tuning of the screening algorithm, without compromising safety or unnecessarily disrupting enforcement activities.

AUTOMATED ROUTINE SCREENING

Enhanced screening has now been fully implemented across NSW, delivered within project budget and on schedule.

The Heavy Vehicle Safety Screen Program originally involved manual checks for vehicle defects and compliance with driver rest requirements at roadside safety stations. Routine screening is now largely automated and occurs while the vehicles are in motion.

As well as ensuring RMS can use its resources most effectively to achieve the best safety outcomes, risk-based screening minimises the cost and intrusiveness of compliance activity for those who are doing the right thing.

The data from sensors and other sources, including average speed as well as the compliance history of the vehicle and operator, is analysed to recommend risk-based intervention. This enables field staff to spend less time intercepting compliant operators and focus on highest risk vehicles.

The depth and currency of the data allows RMS and the NSW Police to identify and respond quickly to emerging risk profiles stemming from vehicle defects, driver behaviour and operator culture from drivers to chain of responsibility investigations.

The introduction of automated screening lanes has also improved traffic flow and minimised disruption for compliant vehicle operators. RMS continue to regard Objective as a value-added technology partner, proactively developing solutions that respond to safety and business needs rather than just reacting to fully developed requirements.

ABOUT OBJECTIVE CORPORATION

Objective Corporation (ASX:OCL) creates information and process governance solutions that are effortless to use and enable organisations to confidently advance their own digital transformation.

Designed for regulated industries, these solutions turn the imperative of compliance, accountability and governance into an opportunity to streamline business processes and deliver the innovative services that customers expect.

With a heritage in Enterprise Content Management (ECM), Objective's expanded solutions extend governance across the spectrum of the modern workplace; underpinning information, processes and collaborative work-spaces.

Through a brilliant user experience, people access the information they need to progress processes from wherever they choose to work.

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