



CASE STUDY

Heavy Vehicle Access Management System (HVAMS)



Heavy vehicle operators in Tasmania use HVAMS to obtain faster, permit-free road access, reduce red tape and minimise damage to roads and infrastructure.

INTRODUCTION

The Department of State Growth introduced the Heavy Vehicle Access Management System (HVAMS) to the Over-size Over Mass (OSOM) industry in 2016, with great success. Since that time, development of the system has continued to ensure that the same, and greater benefits can be delivered to the entire heavy vehicle industry, including Special Purpose Vehicles (SPV, e.g. Cranes, concrete pumps and drill rigs). HVAMS automates the road and structure assessment function of heavy vehicle access decisions under the Heavy Vehicle National Law (HVNL).

Heavy vehicle operators use HVAMS, a self-service system, to check which roads can be accessed without a permit, and under what conditions, given a specific vehicle and load type. HVAMS helps prevent operators from driving outside allowed vehicle dimensions and axle masses (which could incur hefty fines), understand constraints on bridges or structures, and plan their activities and routes without needing to apply for a permit.

“ We got there, we got there legally, we got there safely, and we didn't have to ask for anyone's permission. ”

Wayne Coulson, Operations Manager at Cranes Combined, Launceston

THE CASE

Heavy vehicles are a key enabler of the Tasmanian economy, providing an essential service to many of its critical parts. The level of success achieved in enabling heavy vehicles to navigate the road network safely and productively, is critical to economic development and to avoiding economic stagnation.

Before HVAMS, heavy vehicle operators needed to apply for an access permit for a specific activity and route. Applying for, and the issuing of a permit was onerous and could take up to 28 days, often requiring consultation with multiple road authorities.

HVAMS has delivered sustained 24/7, real time, self-service access without the need for a permit for approximately 80% of OSOM activity since 2016, and for approximately 95% of SPV activity since mid-2019. Access under a small number of permits for the ADF Land 121 fleet is also delivered via HVAMS since mid-2019.

The Department of State Growth built HVAMS on a map layer compiled from authoritative foundation data from the Land Information System Tasmania (the LIST). The map accurately aligns network and route information with the properties of the structures and road segments. HVAMS analyses each road segment, structure data and bridge-to-road connections to determine the allowable network for the given heavy vehicle activity.

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IMPACT

- **Improved road access for the heavy vehicle industry**

The industry's top four access priorities are: shortened turn-around times, increased access certainty, end to end networks and a consistent approach to road access. These requirements cannot be optimised with a permit-based access system or by relying on pre-approved routes. HVAMS provides the consistency, flexibility, and rapid self-service solutions the industry needs.

- **Red Tape Reduction**

HVAMS has reduced permit applications for Special Purpose Vehicles from 700 to about 30 per year, saving the industry and their clients thousands of days of waiting time each year. This reduction in permit applications has also led to significantly less ongoing road manager resources to manage reactive permit requests and bridge assessment activities, thus allowing more proactive bridge and road network management activities.

- **Inter-jurisdictional collaboration**

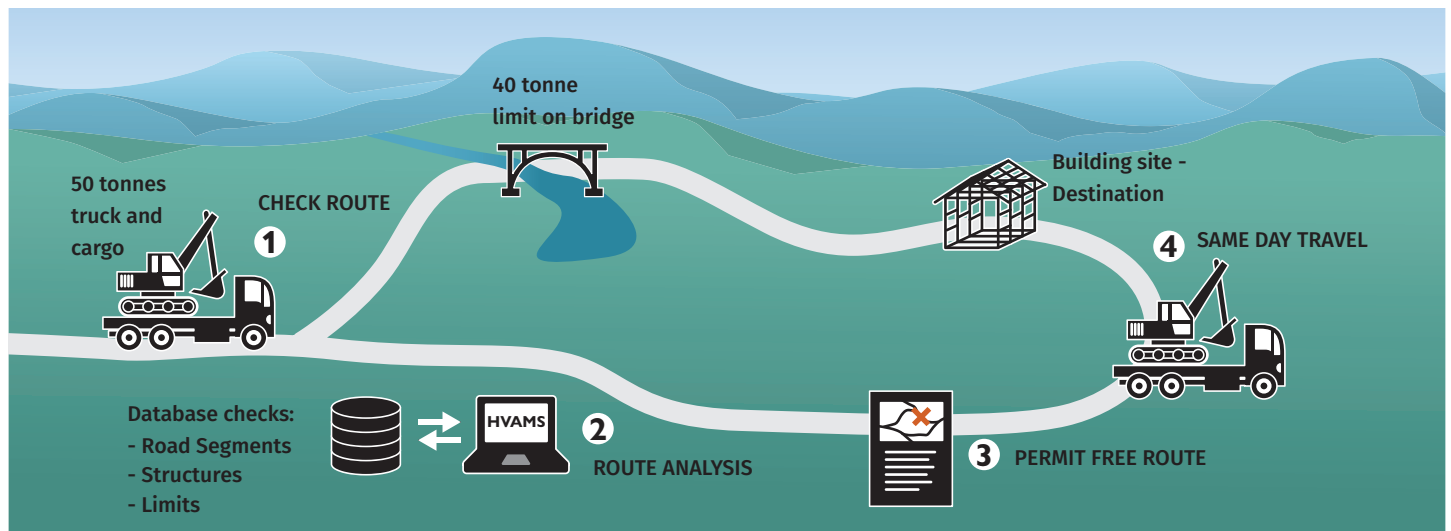
HVAMS is the first successful implementation of its kind in Australia. There is strong interest from other jurisdictions, including Transport for NSW, to implement the system, which could lead to billions of dollars of productivity gains nationally.

Austrroads, the collective of the Australian and New Zealand transport agencies, has approved a project to make HVAMS available at the National level including New Zealand.

“ An efficient transport system is critical to Tasmania's thriving economy, and any red tape or friction in the system has a direct economic impact resulting from a lag on productivity. ”

Local Government Association of Tasmania

Self service permit free road access application.



80%

of Over Size
Over Mass
(OSOM), and

95%

of Special Purpose Vehicle (SPV)
activity can now be permit-free.

Tasmanian
Spatial
information council

the List

Tasmanian
Government

MORE INFORMATION

<https://hvams.stategrowth.tas.gov.au/>