

What is virtual fencing?



A virtual fence actively alerts/scares animals from crossing the road as vehicles approach, reducing wildlife collisions and therefore roadkill. This in turn significantly reduces the incidence of [Tasmanian Devils](#) on the roads to scavenge the roadkill.

Virtual fencing is now in use at nine locations in Tasmania.

Trialling has been undertaken on the road between Arthur River and Marrawah, where the speed limit is 100 km/h – well above the speed at which Venture Minerals ore trucks will be travelling.

The virtual fencing technology has been pioneered by innovative Tasmanian company, Wildlife Safety Solutions

How does it work?

The virtual fencing device is activated by approaching headlights, which causes it to emit a combination of sound and light stimuli that alert and repel animals from the roadside.

The audible alert and blue and yellow strobe-type LED lights is based on proven technologies.

The devices are placed at 25 metre intervals on alternating sides of the road. They are triggered in sequence by the vehicle' headlights as it approaches along the road, forming a virtual fence.



Venture Minerals – virtual fencing

Venture Minerals is proposing to use virtual fencing technology at Tasmanian Devil hotspots along Pieman Road.

The hotspots were identified in wildlife roadkill risk study undertaken by data science specialist Symbolix. The Company analysed reported roadkill data to identify high risk areas.

Venture proposes installing virtual fencing at these hotspots and limiting vehicle speeds there to a maximum of 60 km/h at twilight periods and night-time.

All vehicles would utilise high radiance (high intensity spot) and wide dispersal (wide angle pair) lighting.