



Mobile Mapper

Road Science is excited to inform our customers that we can now offer high-speed surveying in motion using a Mobile Mapper. The service is now available for hire through Road Science and this is the only unit of its kind within New Zealand.

The Mobile Mapper, Pegasus II Ultimate (P2U), utilises point cloud and photogrammetric solutions to provide innovative 'all you can see' high resolution datasets, this equipment transforms the capturing and monitoring for projects and contracts.

A Mobile Mapper combines a laser scanning sensor, multiple cameras and an Inertial Measurement Unit (IMU) to deliver its survey datasets. In the P2U's case the point cloud dataset is captured by a laser scanner collecting 1,000,000 points across 200 line scans per second to sub-millimetre accuracy. The photogrammetric survey data is stitched together from six cameras taking photos every 3m – 5m. There are two additional external cameras used for pavement analysis - crack, roughness and rut detection. Cameras can rotate 360° so they can also analyse structures.

For more information please contact:

Richard Carter - richard.carter@roadscience.co.nz - 021 915 894

Graham Watson - graham.watson@roadscience.co.nz - 021 972 026

Benefits:

- **Market-leading survey technology** - this equipment is a quantum leap in innovation
- **A step change in safety** - surveying with the Mobile Mapper is undertaken without putting people in live traffic lanes
- **Faster and more accurate results** – it allows self-delivery of results quicker than traditional survey techniques

Habitat



Rural



Motorway



Residential