## The Management & Benefits of Automated Survey Data Collection





There's a lot to consider when running a pavement condition survey...

- **Overview**
- Procurement
- Contract Management
- Operating in New Zealand
- Validation
- How the survey data is used by us





### Procurement Securing the best suppliers

- Survey history, from the early 90's
- Independent management and quality assurance, late 90's
- Continuity and risk
- Detailed contract specifications
- Considering the supplier market



# Contract Management Teamwork





Commitment



Team Spirit



# Contract Management **Teamwork**

### **Collaborative Team Management**

The task is too big or the time is too short for one organisation to do all the work.

## No one organisation has all the knowledge required to do the task.

A group represents different perspectives.

The stakes for the task are so high that the organisation wants the best efforts of as many people as necessary.

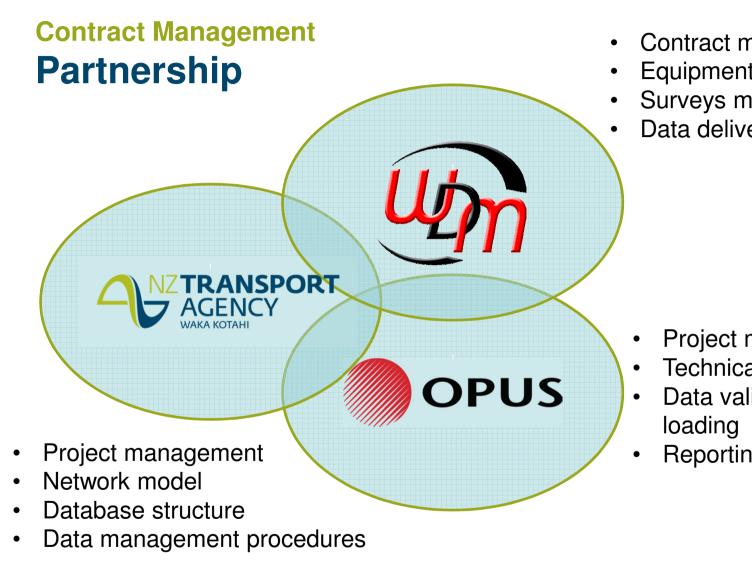


Commitment

Reliability

**Team Spirit** 

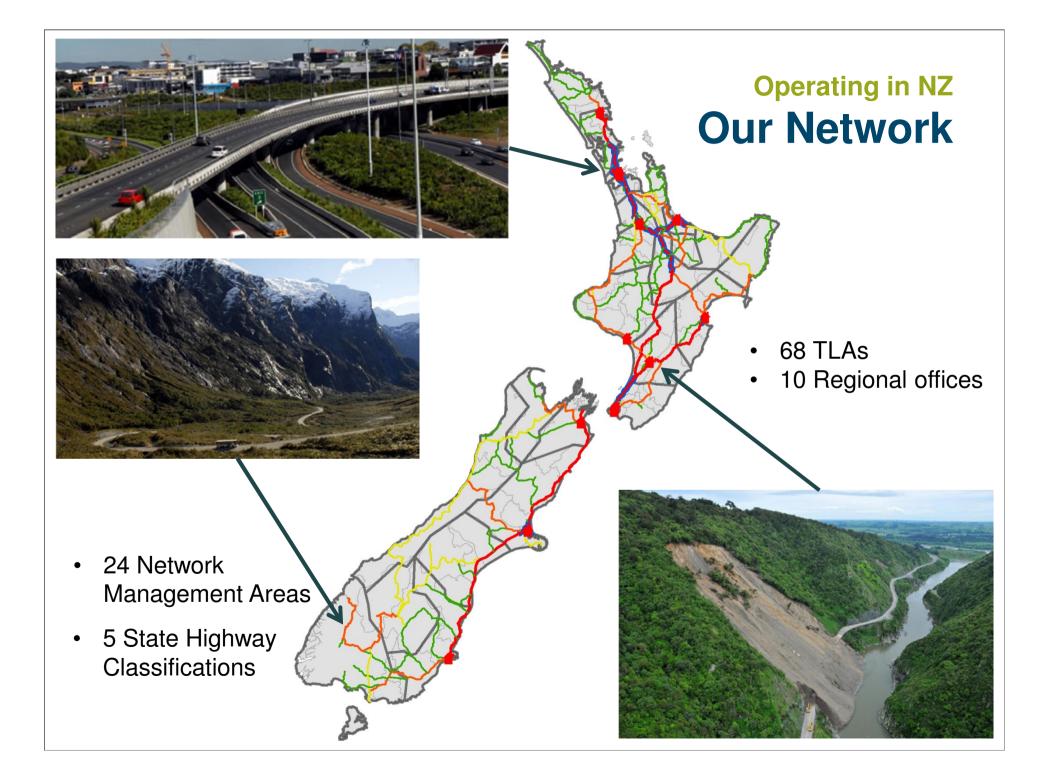




- Contract management
- Equipment
- Surveys management
- Data delivery

- Project management
- **Technical advice**
- Data validation &
- Reporting

TRANSPORT AGENCY







## **Operating on New Zealand roads**











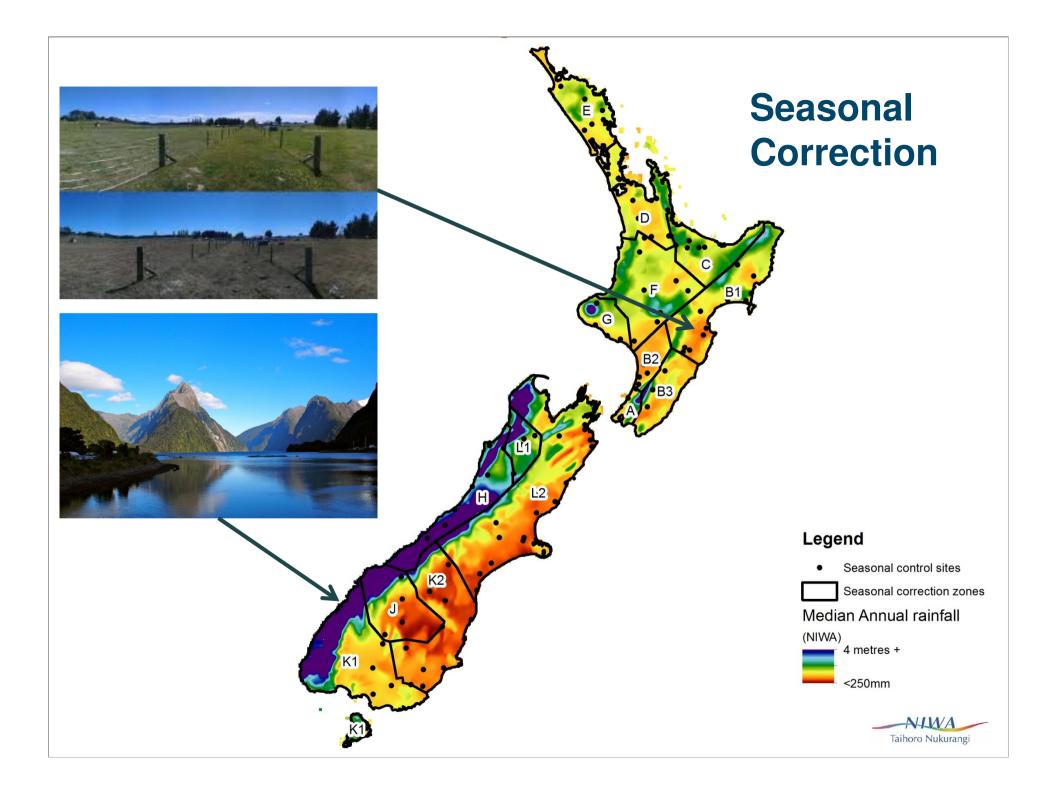


#### **Calibration** Certification to confirm reliable, reproducible and repeatable data

## **Calibration & Validation**

#### The validation process

- Pre-validation reports
- Equipment validation
- 100km trial validation Validation reports



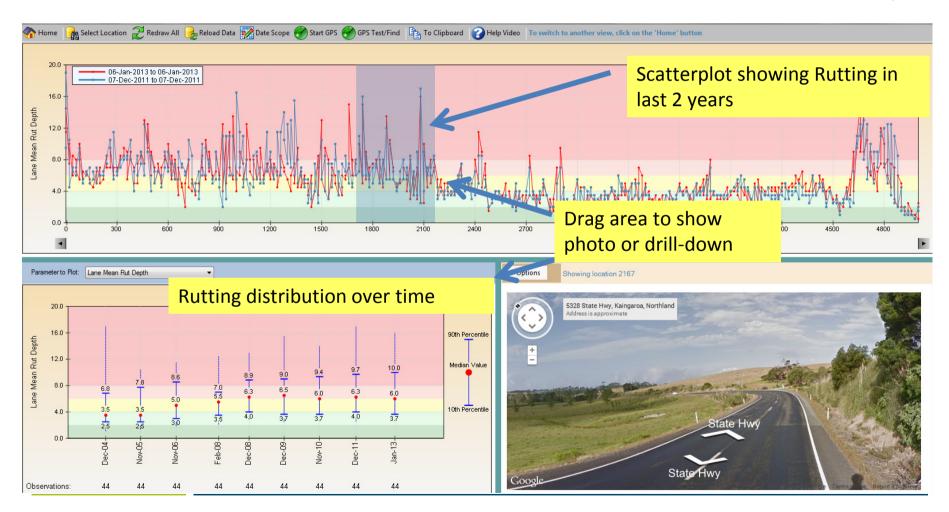
## Integration with Stakeholder Systems

- T10 Skid resistance policy
- Exception reports
- Annual planning
- Using survey data in other systems
  - KiwiRAP Analysis Tool (KAT)
  - Road runner
  - JunoViewer



## **Visualising Survey Data**

#### Northland Network Example





## Database

Management

Contract Logistics Spec**lificaters a lot to consider when** Integrating Validation

Technical Advice

**Partnership** 

Network Management Areas

External Liaison

Procurement

