

What is ITS?

Our definition

Intelligent Transportation Systems (ITS) apply and use sensing, information, data analytics and communication technologies to all transport modes, infrastructure and users to increase the effectiveness, sustainability, safety, resilience and efficiency of the transport system for improved wellbeing and liveability





ITS NZ believes active consideration and implementation of new solutions alongside conventional approaches will help New Zealand meet its transportation outcomes

Outcomes

Some solutions will contribute to more than one outcome Accessibility and equity, Inclusive Integrated and shared public transport, MaaS, first/last connected journeys, new Transport choices mile solutions, integrated ticketing, micro-vehicles access options Clean connected vehicles. **Healthy and** Smart mobility and Micromobility, digital twins, vehicle safety connected infrastructure, safe people infrastructure technologies, C-ITS, smart infrastructure, smart cities new technologies A transport Economic prosperity Dynamic and integrated traffic management systems, Traffic and demand system that **Environmental** Optimisation and clean vehicles, congestion management tools, dynamic management, new decarbonisation sustainability road tolling, enforcement systems, low carbon improves technologies concrete, bio-bitumen wellbeing and Environmental Sustainability liveability Risk and issue management, Data, connectivity, Resilience and Smart infrastructure, digital twins, digital asset mitigation and maintenance and system monitoring and maintenance systems, cybersecurity, of transport assets, security management data protection, 5G and C-ITS, AI cybersecurity Resilience and security Transport efficiency Integrated smart city technologies, congestion Economic Multimodal, smart city and and business management, demand management, parking and kerb New Zealand innovation prosperity opportunities side management, C-ITS

Topics

Focus

Example Solutions



Ministry of Transport, Transport Outcomes Framework

ITS NZ's vision for 2027

A valued and sustainable organisation recognised for supporting the growth of ITS in New Zealand and hosting the 2027 ITS AP Forum

Pillar C	One	Pillar Two	Pillar Three	Pillar Four
A valued recognition organisa	ised	A sustainable organisation	Contributing to sector growth	Won and run a successful AP Forum in 2027



ITS NZ strategy and business planning process

Focus areas for each pillar

Valued and recognised organisation

Trusted advisor to government and Industry

Member collaboration

International knowledge transfer

ITS promotion

A sustainable organisation

An effective Board

Larger and active membership

Sustainable funding

Won and run an successful Asia **Pacific Forum in 2027**

International relationships

Government and corporate support

Content and attendance

Contribution to sector growth

Valued events

Membership promotion

International experience

Capacity and capability development

White papers

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Board

Business Planning Elements

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