

CANADA



Railway & Infrastructure **HUB**

CONNECT WITH CANADA'S RAIL & TRANSIT PIPELINE

EXPLORE OPPORTUNITIES BETWEEN
CANADA AND SOUTHEAST ASIA



\$135B+
CONFIRMED INVESTMENTS

\$200B+
LONG-TERM PIPELINE

CANADA HUB | 2026-06-10



**MAJOR
PROJECTS**
Transforming
Communities.



**GLOBAL
PARTNERSHIPS**
Connecting
Ecosystems



**SUSTAINABLE
INFRASTRUCTURE**
Building Long-Term Value



**CANADA – ASEAN
CONNECTION**
Creating Global
Opportunities

EXPLORE • CONNECT • EXPAND

An initiative by



In collaboration with



A STRATEGIC MOMENT FOR RAIL & INFRASTRUCTURE



CANADA

A once-in-a-generation investment cycle is underway across Canada.



\$135B+

in confirmed rail and transit projects



\$200B+

long-term infrastructure pipeline



Mature P3 ecosystem and global partnerships



ASEAN

Southeast Asia is rapidly expanding its rail and transit networks.



\$300B+

investments in metro and intercity systems



Strong demand for international expertise



Increasing focus on digital and integrated systems

CANADA



Railway & Infrastructure HUB



The Canada Railway & Infrastructure Hub was created to connect Canada's growing rail and infrastructure pipeline with international partners, investors and technology leaders.

The platform facilitates market access, supports collaboration across ecosystems and helps build long-term partnerships in engineering, systems integration and operations.



INVEST IN CANADA

Access major projects and investment opportunities.



EXPAND TO ASEAN

Connect Canadian expertise with Southeast Asian markets.



BUILD PARTNERSHIPS

Create long-term collaboration across the rail value chain.

CANADA



Railway & Infrastructure HUB

ASIA PACIFIC RAIL 2026 BUILDING THE CANADA HUB

 BANGKOK, THAILAND, MAY 6-7

The first international deployment of the Canada Railway & Infrastructure Hub.

A week of strategic meetings, knowledge exchange and relationship building designed to connect Canada's growing rail and transit ecosystem with partners across Southeast Asia and the broader Indo-Pacific region.



Throughout the week of May 4 to 8, the Canada Hub delegation engaged with transit authorities, infrastructure owners, engineering firms, technology providers and government stakeholders while showcasing Canada's rail and infrastructure pipeline and the capabilities of participating Canadian organizations.

PARTICIPATING ORGANIZATIONS



ENGAGEMENTS & MEETINGS



50+

STRATEGIC MEETINGS

CANADA • THAILAND • SINGAPORE • INDONESIA
VIETNAM • MALAYSIA • JAPAN • INDIA

STAKEHOLDERS ENGAGED:

- ✓ Transit Authorities
- ✓ Infrastructure Owners
- ✓ Engineering & Consulting Firms
- ✓ Technology Providers
- ✓ Government Agencies
- ✓ Investors & Strategic Partners



Briefing on market opportunities with TC Chew, APAC Managing Director, Arup



Our organizing team celebrating the end of a successful week.



Meeting with the leadership of the Eastern Economic Corridor of Thailand.

CANADA



Railway & Infrastructure **HUB**

CANADA RAIL & INFRASTRUCTURE PIPELINE

A historic wave of investment is transforming communities and building a more connected, sustainable Canada.



A GROWING OPPORTUNITY

Asia Pacific Rail 2026 confirmed strong international interest in Canada's growing rail and infrastructure ecosystem.

The following pages highlight major Canadian projects that are creating opportunities for collaboration, investment and technology partnerships.



\$135B+

CONFIRMED INVESTMENTS

\$200B+

LONG-TERM PIPELINE

SELECTED PUBLIC INFRASTRUCTURE PROJECTS*

KEY PROJECTS AT A GLANCE

	ALTO High-Speed Rail TORONTO – OTTAWA – MONTRÉAL – QUÉBEC CITY	INVESTMENT \$45–\$90B+	TIMELINE 2023 – 2040s	High-frequency intercity rail connecting Canada's most populated corridor.
	GO Expansion Regional rail network modernization and electrification ONTARIO / Toronto Region	INVESTMENT \$30B+	TIMELINE 2025 – 2035+	Expanding capacity and introducing electrified service.
	Ontario Line New automated metro line across downtown ONTARIO / Toronto Region	INVESTMENT \$25B+	TIMELINE 2022 – 2031	15.6 km automated subway line with 15+ stations.
	TTC Capital Program Fleet, systems & infrastructure modernization ONTARIO / Toronto Region	INVESTMENT \$16B+	TIMELINE 2024 – 2034	Upgrading assets, stations, power and technology systems.
	TramCité New urban tramway system (Phase 1) QUÉBEC – QUÉBEC CITY	INVESTMENT \$7B+	TIMELINE 2023 – 2028	19 km modern light rail system to transform mobility.
	Green Line LRT Major light rail transit expansion ALBERTA / CALGARY	INVESTMENT \$6B+	TIMELINE 2023 – 2028	New LRT line supporting growth and sustainable mobility.
	Surrey–Langley SkyTrain Automated metro extension BRITISH COLUMBIA / VANCOUVER	INVESTMENT \$6B+	TIMELINE 2024 – 2029	Extending rapid transit to support a growing region.

* Projects are in various stages of planning, procurement and delivery.

† All figures in CAD. Information based on publicly available sources and industry insights at the time of publication.

‡ Certain illustrations are conceptual visualizations created for communication purposes and may not represent actual projects, designs or site conditions.

ADDITIONAL OPPORTUNITIES ACROSS CANADA

Beyond the major projects highlighted, Canada's rail and transit landscape includes a wide range of initiatives creating long-term opportunities for global partners and suppliers.

TRANSIT EXPANSION PROJECTS

	Yonge North Subway Extension Extending Line 1 northward into York Region to support rapid growth. ONTARIO / TORONTO	INVESTMENT \$5.6B+	TIMELINE 2023 – 2030+	
	Scarborough Subway Extension Replacing the SRT with a high-capacity subway to Scarborough Centre. ONTARIO / TORONTO	INVESTMENT \$7B+	TIMELINE 2025 – 2030+	
	Eglinton Crosstown West Extension Extending the Eglinton LRT west toward the Airport Corporate Centre. ONTARIO / TORONTO	INVESTMENT \$2.5B+	TIMELINE 2024 – 2031+	
	Blue Line Extension Extending the metro's Blue Line to improve connectivity in eastern Montréal. QUEBEC / MONTREAL	INVESTMENT \$6.3B+	TIMELINE 2025 – 2031+	
	Ontario Line East Extension Future extension of the Ontario Line to serve more communities. ONTARIO / TORONTO	INVESTMENT TBD	TIMELINE 2030+	
	Other LRT & Transit Initiatives Multiple new LRT, BRT and rapid transit projects in planning and delivery. ACROSS CANADA	INVESTMENT TBD	TIMELINE 2020 – 2030+	

* Projects are in various stages of planning, procurement and delivery.
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FREIGHT RAIL – CONTINUOUS PROCUREMENT PLATFORMS

CN

CANADIAN NATIONAL RAILWAY

One of North America's largest rail networks with a capital program of ~\$3–4B annually.



Network Expansion



Track & Bridge Upgrades



Technology & Signaling



Locomotives & Rolling Stock



Facilities & Equipment

CPKC

CANADIAN PACIFIC KANSAS CITY

Connecting Canada, the U.S. and Mexico with a strong focus on growth and modernization.



Infrastructure Investments



Capacity Expansion



Systems & Technology



Equipment & Operations



Sustainability Initiatives



These continuous programs provide year-round opportunities for international suppliers, contractors, and technology providers.



ALTO

HIGH SPEED RAIL

TORONTO – OTTAWA – MONTRÉAL – QUÉBEC CITY

A transformative high-speed rail line connecting Canada’s most populated corridor and driving sustainable economic growth for generations to come.



POPULATION
CONNECTED
18M+
People in the corridor



TRAVEL TIME
(TORONTO – MONTRÉAL)
~3hrs
Up to 3x faster than today



SERVICE
FREQUENCY
30 min
High-frequency
passenger service



ELECTRIFIED,
LOW-EMISSION
TRANSPORT
A sustainable alternative
to aviation and auto travel

PROJECT OVERVIEW

ALTO is a high-speed, high-frequency, zero-emission rail network between Toronto, Ottawa, Montréal and Québec City.

The project will deliver:

- ✓ Fast, frequent and reliable service
- ✓ Modern, electrified infrastructure
- ✓ Economic growth and up to 50,000 construction jobs
- ✓ Reduced emissions and a modal shift from road and air

PROJECT DETAILS



ROUTE LENGTH
~1,000 KM

From Toronto to Québec City with stops in key urban centres, including Ottawa and Montréal



TYPE
**HIGH-SPEED
PASSENGER RAIL**

Dedicated, electrified infrastructure for passenger service



ESTIMATED
TOTAL PROGRAM
\$60B – \$90B+ CAD

Phase 1 indicative estimate, final corridor details expected in Fall 2026



TIMELINE
2023 – 2040S

Planning, development, phased construction and operations



DELIVERY MODEL
PPP / PDP
(CADENCE CONSORTIUM SELECTED)

Private partner leading design, procurement and delivery

CONNECTING MAJOR CANADIAN CITIES



ACCESS & PROCUREMENT



LEAD AUTHORITY
Alto (Cadence)
Crown corporation responsible for planning, development and delivery.



DELIVERY PARTNER
Cadence
CDPQ Infra – AtkinsRéalis – Systra – Air Canada – SNC Lavalin (member firm)
Private partner selected to design, build, finance, operate and maintain the network.



CURRENT STATUS
Development
Environmental assessments, engineering and pre-construction activities underway.



NEXT OPPORTUNITIES
Procurement opportunities to be phased through the development and construction program. Procurement opportunities starting in 2026+.

KEY OPPORTUNITIES



TRACK & SYSTEMS
Rail infrastructure, track, signaling, power and control systems



TECHNOLOGY & DIGITAL
Communications, CBTC, IT systems, AFC and cybersecurity



ROLLING STOCK
High-speed trains, maintenance facilities and asset management



CIVIL WORKS
Bridges, tunnels, earthworks, retaining structures and stations



ELECTRIFICATION
Power systems, overhead catenary, substations and energy solutions



OPERATIONS & SERVICES
Operations, maintenance, logistics and ancillary services

† All figures in CAD. Information based on publicly available sources and industry insights at the time of publication.

altotrain.ca



GO EXPANSION

METROLINX

BUILDING A MODERN, ELECTRIFIED REGIONAL RAIL NETWORK

GO Expansion is transforming the way the Greater Toronto and Hamilton Area moves—with more frequent service, all-day two-way operations, and full electrification.



SERVING A GROWING REGION
7M+

People today
10M+ by 2051



MORE SERVICE
60%+

Increase in train service
by 2031



ALL-DAY, TWO-WAY
15 min

Or better service
on core corridors



A GREENER FUTURE
100%

Electrified network
by 2035

PROJECT OVERVIEW

GO Expansion is the largest transit expansion in Canadian history, delivering a fully integrated, electrified regional rail network across the Greater Toronto and Hamilton Area (GTHA).

The project will deliver:

- ✓ More frequent and reliable service across the region.
- ✓ New infrastructure and corridor improvements.
- ✓ More stops, more connections, better integration.
- ✓ Electrification for cleaner, quieter, more efficient service
- ✓ Capacity to support long-term population and employment growth

PROJECT DETAILS



GEOGRAPHIC SCOPE
500+ KM NETWORK

Across the GTHA, including Barrie, Kitchener, Hamilton, Oshawa and beyond



TYPE
REGIONAL RAIL EXPANSION

Frequent, all-day, two-way service with integrated connections



PROGRAM INVESTMENT
\$30B+ CAD

Multi-phase program through the 2030s



ELECTRIFICATION
100% BY 2035

Ongoing delivery with service improvements starting mid-2020s



DELIVERY MODEL
P3 / INTEGRATED DELIVERY

Delivered through a mix of P3s and integrated delivery partners

KEY OPPORTUNITIES



TRACK & CIVIL WORKS

Rail infrastructure, bridges, retaining walls, drainage and corridor upgrades



ELECTRIFICATION & POWER SYSTEMS

Overhead catenary, traction power, substations and energy systems



ROLLING STOCK

Bi-level electric trains and maintenance facilities



SIGNALING & COMMUNICATIONS

Advanced signaling, CBTC, communications and system integration



STATIONS & INFRASTRUCTURE

Station upgrades, new stations, platforms, parking and passenger amenities



OPERATIONS & MAINTENANCE

Operations systems, control centres and maintenance infrastructure

CONNECTING THE GREATER GOLDEN HORSESHOE



PUBLIC LINK

Project/Program Information:

www.metrolinx.com/en/projects-and-programs/go-expansion



PARTNER IN A TRANSFORMATIVE PROGRAM

GO Expansion is creating a modern, connected and sustainable region. We welcome innovative partners to help deliver this generational investment.

† All figures in CAD. Information based on publicly available sources and industry insights at the time of publication.

metrolinx.com





ONTARIO LINE

Toronto – Ontario

NEW AUTOMATED METRO ACROSS DOWNTOWN

A transformative high-capacity metro line designed to relieve congestion, expand transit access and support long-term growth across the Greater Toronto Area.



15.6 KM
Fully grade-separated line



15 STATIONS
Across key urban nodes



~\$27B CAD
Full lifecycle investment



~2031
Planned opening

PROJECT OVERVIEW

The Ontario Line is a new fully automated rapid transit line connecting Exhibition/Ontario Place in the west to the Ontario Science Centre in the northeast.

The project is designed to relieve congestion on Line 1 (Yonge–University) while improving connectivity across downtown and underserved eastern neighbourhoods.

The program will deliver:

- ✓ High-capacity east–west transit across the city core
- ✓ Faster travel times and increased reliability
- ✓ Expanded access to key employment and growth areas
- ✓ Seamless integration with subway, GO Transit and regional networks

PROJECT DETAILS



ROUTE LENGTH
~15.6 KM

Exhibition/Ontario Place to Ontario Science Centre



TYPE
AUTOMATED METRO
(HEAVY RAPID TRANSIT)

High-capacity, fully automated metro line



ESTIMATED TOTAL PROGRAM
\$27B+ CAD

Includes delivery, operations, maintenance and financing over the asset life



INFRASTRUCTURE
UNDERGROUND, ELEVATED
AND AT-GRADE SECTIONS

Combination of tunnel, elevated guideway and at-grade segments



TECHNOLOGY
DRIVERLESS, CBTC SIGNALING,
INTEGRATED SYSTEMS

Advanced signaling, integrated operations and control, high-frequency service

TORONTO'S NEXT-GENERATION AUTOMATED METRO LINE



ACCESS & PROCUREMENT



LEAD AUTHORITY
Metrolinx
Crown agency that manages and integrates road and public transportation in the Greater Toronto and Hamilton Area.



DELIVERY MODEL
Hybrid PPP
+ Progressive Design-Build

- Connect 6ix (RSSOM)
- Ontario Transit Group (Southern Civil)



CURRENT STATUS
Development
Full construction underway. Project transitioning from procurement to delivery phase.



NEXT OPPORTUNITIES
Supply chain, systems integration, equipment and long-term services.

KEY OPPORTUNITIES



CIVIL WORKS & TUNNELLING
Stations, tunnels, guideways and structures



RAIL SYSTEMS & ELECTRIFICATION
Power systems, traction, electrification infrastructure



ROLLING STOCK & MAINTENANCE
Automated trains, depots, maintenance and lifecycle



SIGNALING & CONTROL SYSTEMS
CBTC, communications, control and integration



DIGITAL SYSTEMS & INTEGRATION
Control platforms, data systems, cybersecurity, smart systems



OPERATIONS & SERVICES
Operations support, maintenance services, logistics and facilities

ECONOMIC IMPACT

- ✓ Major congestion relief across the GTA
- ✓ Expansion of transit access in underserved areas
- ✓ Long-term population and economic growth
- ✓ Development of key employment hubs (East Harbour, Liberty Village, downtown core)

† All figures in CAD. Information based on publicly available sources and industry insights at the time of publication.

[metrolinx.com](https://www.metrolinx.com)



TORONTO TRANSIT COMMISSION

📍 Toronto – Ontario

CANADA'S LARGEST PUBLIC TRANSIT OPERATOR

The TTC operates subway, streetcar, bus and paratransit services across Toronto and is focused on modernizing and maintaining its network through a large-scale capital investment program.



~76 KM
Subway network
(Lines 1–4)



4 MODES
Subway,
streetcar, bus
& paratransit



\$50B+ CAD
15-year needs
(unfunded gap)



2026–2035
Capital plan
horizon

PROJECT OVERVIEW

The Toronto Transit Commission (TTC) is the primary public transit operator in Canada's largest city, providing safe, reliable and accessible mobility to over 1.7 million daily riders.

The capital program is focused on:

- ✓ State-of-good-repair and asset renewal
- ✓ Capacity and service improvements
- ✓ Accessibility for all customers
- ✓ Fleet electrification and greener operations
- ✓ Modernization of systems and infrastructure

PROJECT DETAILS



ROUTE LENGTH
~76 KM

Subway network (Lines 1–4)
across Toronto



4 MODES
**SUBWAY, STREETCAR,
BUS & PARATRANSIT**

Heavy metro, streetcar (LRT),
bus, paratransit



**Capital Plan
(2026–2035)**
\$16.7B CAD

Focused on asset renewal,
expansion, accessibility and
sustainability



**LONG-TERM NEEDS
(15-YEAR OUTLOOK)**
\$50B+ CAD

Includes state of good repair,
expansion & growth needs
(unfunded gap)



KEY SYSTEMS

- Third-rail electrification (subway)
- Automatic Train Control (ATC) expansion
- Bus fleet electrification
- Network-wide accessibility upgrades

CANADA'S LARGEST URBAN TRANSIT NETWORK



DELIVERY MODEL & PROCUREMENT



**Continuous public procurement
through multiple streams:**

- ✓ Design-Build and Design-Build contracts
- ✓ Rolling stock and fleet procurement (buses, streetcars, subway cars)
- ✓ Systems modernization (signaling, ATC, communications)
- ✓ Facility upgrades and station accessibility

KEY OPPORTUNITIES



**ACCESSIBILITY &
STATION UPGRADES**
Elevators, tactile systems,
wayfinding, universal acces



**SIGNALING &
CONTROL SYSTEMS**
ATC, communications,
signaling upgrades



**INFRASTRUCTURE
UPGRADES**
Track, power, stations,
facilities and yards



**ROLLING STOCK
& FLEET ELECTRIFICATION**
Subway, cars, streetcars,
zero-emission buses



**DIGITAL SYSTEMS
& INTEGRATION**
Data platforms,
cybersecurity, smart
operations

ACCESS & PROCUREMENT

Owner & Operator

Toronto Transit
Commission.

Procurement Model

Continuous procurement.

Current Status

Multiple contracts awarded
and ongoing annually.

Next Opportunities

Ongoing needs in fleet, systems, infrastructure,
accessibility and digital modernization.

† All figures in CAD. Information based on publicly available sources and industry insights at the time of publication.

[ttc.ca](https://www.ttc.ca)



TRAMCITÉ

QUÉBEC CITY

QUÉBEC'S NEW TRAMWAY SYSTEM

A key mobility project transforming urban transportation and connectivity across Québec City.



~19 KM
Of tramway network



29
Stations



\$7B+ CAD
Total investment (Phase 1)



~132,000
Daily riders by 2033

PROJECT OVERVIEW

TramCité is a 19 km tramway project designed to connect western suburbs to downtown and eastern sectors of Québec City.

The project will deliver a high-capacity, fully electric transit corridor integrated with bus networks and active transportation. It connects key districts including Sainte-Foy, Université Laval, Parliament Hill, Saint-Roch, and Charlesbourg.

The project is focused on:

- ✓ **Sustainable Mobility**
Lower emissions and greener future
- ✓ **Better Connectivity**
Linking major districts and communities
- ✓ **Economic Development**
Supporting growth and urban revitalization
- ✓ **Reliable & Efficient**
Modern, accessible and frequent service

QUÉBEC CITY'S NEW SUSTAINABLE TRANSIT SYSTEM (29 stations)



DELIVERY MODEL & PROCUREMENT



Institutional co-development led by CDPQ Infra

Key partners (co-development phase):

- ✓ Tram Alliance (civil works)
- ✓ Québec Connexion Capitale (systems)

Selected consortia are refining design, cost structure and delivery strategy ahead of full construction.

PROJECT DETAILS



ROUTE LENGTH
19 KM

From Le Gendre (west) to Pôle Charlesbourg (northeast).



STATIONS
29

Across key districts and activity centres.



TYPE
TRAMWAY / LRT

High-capacity, fully electric light rail transit



INFRASTRUCTURE
SEGREGATED ALIGNMENT

Surface and underground sections



TECHNOLOGY

Modern technology for reliable, efficient and sustainable operations

KEY OPPORTUNITIES



INFRASTRUCTURE & TUNNELLING

Earthworks, structures, tunnels, utilities and infrastructure works



RAIL SYSTEMS & ELECTRIFICATION

Tracks, overhead power systems and traction infrastructure



ROLLING STOCK SUPPLY

Low-floor tram vehicles and related equipment and services



SYSTEMS INTEGRATION & OPTIMIZATION

Signaling, communications, control systems and operations integration



DIGITAL & SMART MOBILITY

Data platforms, smart systems, ITS and digital mobility solutions



SUPPLY CHAIN & SUBCONTRACTING

Opportunities for suppliers, SMEs and local industry participation

ECONOMIC & STRATEGIC IMPACT

- ✓ Improve connectivity across the metropolitan region
- ✓ Reduce reliance on private vehicles
- ✓ Support densification and transit-oriented development
- ✓ Lower emissions and improve urban mobility
- ✓ Position Québec City as a leader in sustainable transit

tramcite.info

† All figures in CAD. Information based on publicly available sources and industry insights at the time of publication.



GREEN LINE • CALGARY

**BUILDING BETTER CONNECTIONS.
CONNECTING COMMUNITIES.**

A transformational LRT project expanding Calgary's transit network and supporting strong, sustainable growth.



~17 KM
LRT line (Phase 1)



12
stations



\$6B+ CAD
Phase 1 budget
(funded)



~125,000
Daily riders by
2030

PROJECT OVERVIEW

The Green Line is Calgary's next major light rail transit (LRT) project and the largest infrastructure investment in the city's history.

Phase 1 will deliver a 17 km line from Shepard in southeast Calgary to downtown, forming the first segment of a larger north-south corridor extending to northern Calgary.

The project will:

- ✓ Expand transit access to underserved communities
- ✓ Support population growth and urban development
- ✓ Reduce congestion and emissions
- ✓ Enable large-scale transit-oriented development

CONNECTING NORTH POINTE TO SETON (28 stations)



DELIVERY MODEL



Development Partner approach transitioning to major implementation contract

Selected Development Partner:

- ✓ Bow Transit Connectors (BTC)
- ✓ Includes Barnard, Flatiron, WSP and EllisDon Capital)

The Development Partner works with the project owner to refine design, cost, risk allocation, and delivery strategy before final contract execution.

PROJECT DETAILS



ROUTE LENGTH
17+ KM

From Shepard (southeast) to downtown Calgary



STATIONS
12

Across key communities and activity centres



TYPE
**LIGHT RAIL
TRANSIT (LRT)**

High-capacity, fully electric light rail transit



INFRASTRUCTURE

Surface, elevated and underground sections
Includes a downtown tunnel and elevated guideways



TIMELINE
2025 – EARLY 2030S

Development to planned delivery

KEY OPPORTUNITIES



INFRASTRUCTURE & TUNNELLING

Earthworks, structures, tunnels, utilities and infrastructure works



RAIL SYSTEMS & ELECTRIFICATION

Tracks, overhead power systems and traction infrastructure



STATIONS & TRANSIT-ORIENTED DEVELOPMENT

Station design, construction and TOD integration



DIGITAL SYSTEMS & INTEGRATION

Signaling, communications, control systems and digital solutions



SUPPLY CHAIN & SUBCONTRACTING

Opportunities for suppliers, SMEs and local industry participation

* Major opportunities remain as the project transitions from development to full implementation.

ACCESS & PROCUREMENT

Project Owner
City of Calgary

Operator
Calgary Transit

Development Partner
Bow Transit Connectors (BTC)

Procurement Status

Development Partner selected Project in development and early construction phase

calgary.ca/green-line



SURREY-LANGLEY SKYTRAIN

Vancouver

**EXTENDING RAPID TRANSIT.
CONNECTING COMMUNITIES.**

A 16 km extension of the Expo Line, bringing high-capacity, driverless SkyTrain service from Surrey City Centre to Langley City Centre along Fraser Highway.



16 KM
Expo Line extension



8
Stations



\$6B+ CAD
Estimated cost



~150,000+
Daily riders by 2050

PROJECT OVERVIEW

The Surrey-Langley SkyTrain project is a 16 km extension of the Expo Line in Metro Vancouver, connecting Surrey City Centre to Langley City Centre. The project will extend automated rapid transit into some of the region's fastest-growing communities, delivering a direct, reliable connection to downtown Vancouver.

The project will:

- ✓ Improve regional connectivity between Surrey and Langley
- ✓ Support major population and housing growth
- ✓ Enable transit-oriented development along the corridor
- ✓ Extend automated metro infrastructure in Western Canada

PROJECT DETAILS



ROUTE LENGTH
16 KM

From Surrey City Centre to Langley City Centre along Fraser Highway



TYPE
AUTOMATED METRO
(SKYTRAIN - LIGHT METRO)

High-capacity, driverless rapid transit



Infrastructure
FULLY ELEVATED GUIDEWAY

Dedicated guideway above Fraser Highway



ESTIMATED COST
~\$6B CAD

Costs reflect inflation, procurement outcomes and expanded scope



TIMELINE
2022 - 2029

From project approval to planned opening

EXTENDING SKYTRAIN INTO SURREY AND LANGLEY



DELIVERY MODEL & PROCUREMENT



Multi-package delivery
(DBF + Design-Build contracts)

Key packages include:

- ✓ Guideway (Design-Build-Finance)
- ✓ Stations (Design-Build)
- ✓ Trackwork and systems (separate package)

Delivered through multiple contractors and coordinated packages

KEY OPPORTUNITIES



SUPPLY CHAIN & SUBCONTRACTING

Equipment, materials and construction subcontracting.



OPERATIONS & MAINTENANCE

Long-term operations support and maintenance solutions.



FUTURE EXTENSIONS & RELATED PROJECTS

Opportunities related to future phases and network expansion.



SYSTEMS INTEGRATION & SUPPORT

Integration, testing, commissioning and ongoing support.



COMMUNITY & TOD PARTNERSHIPS

Transit-oriented development and community partnership initiatives.

ACCESS & PROCUREMENT

Project Owner

Government of British Columbia

Regional partner & operator

TransLink

Procurement Model

Multi-package (DBF + Design Build) Delivery.

Next Opportunities

Supply chain, systems integration, support services and future extension.

† All figures in CAD. Information based on publicly available sources and industry insights at the time of publication.

surreylangleyskytrain.gov.bc.ca



CANADA SOLUTION & PARTNERS

DELIVERING INFRASTRUCTURE, SYSTEMS AND
INNOVATION ACROSS CANADA AND ASEAN.

The Canada Railway & Infrastructure Hub brings together a
curated group of Canadian companies that deliver advanced
solutions for rail, transit and infrastructure.

Our partners combine technology, engineering and operational
expertise to support complex project delivery in Canada and
around the world.



INFRASTRUCTURE & RAIL EXPERTISE



SYSTEMS & INTEGRATION

Digital platforms, SCADA, real-time
data and systems integration for
modern rail and transit operations.

- ✓ Control & communication systems
- ✓ Data integration & analytics
- ✓ Cybersecurity & IT solutions
- ✓ Smart operations & automation



INSPECTION & ASSET INTELLIGENCE

Advanced inspection, monitoring
and predictive intelligence to
improve safety and asset
performance.

- ✓ Track & infrastructure inspection
- ✓ Condition monitoring
- ✓ Predictive maintenance
- ✓ Data-driven asset management



INFRASTRUCTURE & ENGINEERING

Engineering, design and project
delivery expertise for complex
infrastructure programs.

- ✓ Engineering & design
- ✓ Construction & project delivery
- ✓ Systems & technical advisory
- ✓ Sustainability & resilience



DESIGNED FOR INTERNATIONAL PROJECTS

Our partners bring experience in complex
rail and infrastructure environments,
supporting project delivery across
different markets, standards and
operating contexts.



READY FOR ASEAN COLLABORATION

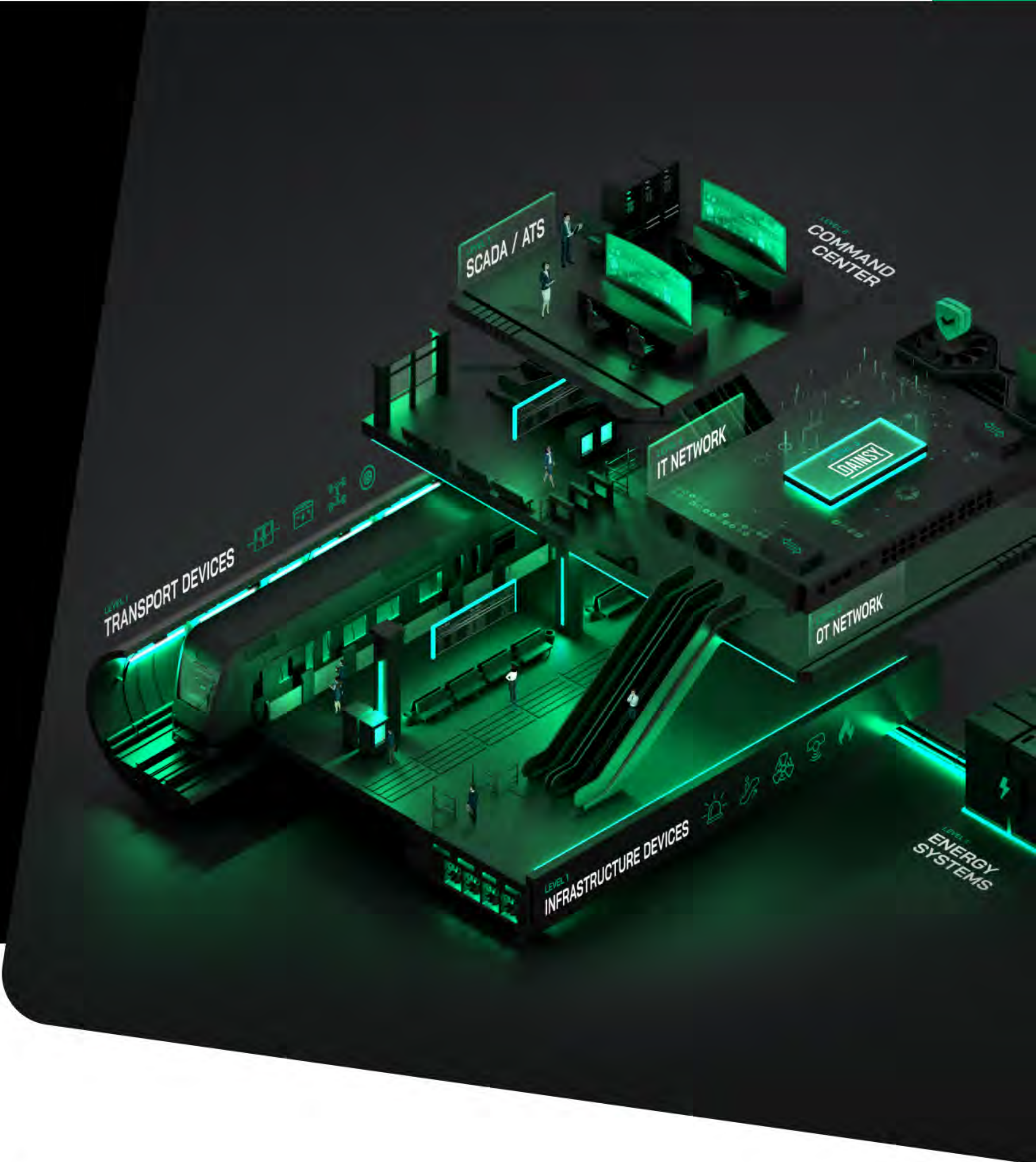
These capabilities are directly applicable
to Southeast Asia's rapidly expanding
rail and transit systems, with a strong
focus on integration, scalability and
long-term operations.



REAL-TIME DATA INTEGRATION FOR CRITICAL INFRASTRUCTURE

Resologi delivers DAINSY™, a powerful data integration platform that connects systems, people and assets in real time to improve operational awareness and decision-making.

Our solutions are trusted by railways and transit operators to unify data, streamline operations and drive predictive performance at scale.



WHAT WE DO

Resologi provides enterprise software solutions for real-time data integration, visualization and analytics.

Our platform, DAINSY™, enables seamless connectivity across systems and assets, turning complex data into actionable intelligence.



WHERE WE ADD VALUE

- ✓ System integration & interoperability
- ✓ Operational visibility & control
- ✓ Predictive analytics & AI insights
- ✓ Performance optimization & decision support
- ✓ Scalability & future-ready architecture



USE CASES

- ✓ SCADA & systems integration
- ✓ Real-time data & event management
- ✓ Condition monitoring, predictive maintenance
- ✓ Network & asset performance analytics
- ✓ Dashboards & KPI reporting



WHY IT MATTERS

Infrastructure projects are complex. Data is everywhere. DAINSY™ brings it together.

We help operators reduce risk, improve reliability, optimize assets and deliver better service for passengers and communities.

RELEVANT TO ASEAN MARKETS



Proven in complex rail and transit environments



Flexible & adaptable to local standards



Supports modern digital rail transformation



Local & international implementation experience



CONNECT
WITH US



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REAL-TIME STRUCTURAL HEALTH MONITORING FOR CRITICAL INFRASTRUCTURE

Bridge owners face increasing challenges from aging infrastructure, heavier loads and the need to minimize service disruptions.

TISEC addresses these challenges with advanced nondestructive testing (NDT) and structural health monitoring (SHM) solutions designed for bridge integrity.

Using technologies such as acoustic emission (AE) and ultrasonic testing, TISEC delivers non-intrusive, real-time monitoring to detect defects early and support proactive maintenance.



OUR APPROACH

This hybrid approach, combining AE with load monitoring, is particularly effective for steel bridges exposed to fatigue, corrosion and dynamic stress.

Headquartered in Québec, Canada, TISEC operates internationally and delivers engineering services aligned with leading standards including ASNT, ISO, FHWA and AASHTO



WHERE WE ADD VALUE

- ✓ Real-time structural monitoring.
- ✓ Early detection (fatigue, cracks, corrosion).
- ✓ Reduced inspection costs and downtime.
- ✓ Data-driven maintenance strategies.
- ✓ Extension of asset lifespan.



USE CASES

- ✓ Rail bridges and transport infrastructure.
- ✓ Structural monitoring under live traffic.
- ✓ Fatigue & crack detection in steel structures.
- ✓ Post-event assessment (impact, overload).
- ✓ Long-term infrastructure health monitoring.



BUSINESS IMPACT

- ✓ Shift from periodic inspection to continuous monitoring
- ✓ Reduce risk and unplanned service disruptions
- ✓ Improve safety and infrastructure reliability
- ✓ Optimize maintenance investments and budgets
- ✓ Extend asset life and maximize performance

READY FOR ASEAN PROJECTS



Applicable to rail and transit infrastructure expansion



Supports asset management and lifecycle optimization



Proven approach for complex and aging infrastructure systems



Adaptable to high-load, high-frequency usage environments



CONNECT WITH US



Joel Hay
President

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tise.com



MISSION-CRITICAL AUTOMATION PLATFORM & ADVANCED CONTROL SYSTEMS FOR RAIL AND INFRASTRUCTURE.

Willowglen Systems is a global leader in control solutions for mission-critical, rail infrastructure. We deliver peace of mind that your systems will integrate in a manner that is safe, secure and sustainable through the deployment of our agnostic automation platform.

With over 50 years of experience, Willowglen Systems has a global track record of solving the world's most difficult automation challenges through our foundational pillars of innovation, reliability, and corporate social responsibility.



CONTROL
SYSTEMS



SYSTEMS
INTEGRATION



LIFECYCLE
SUPPORT

CONNECT. MONITOR.
CONTROL. **PROTECT.**

WHAT WE DO

Willowglen Systems delivers on this commitment with SentientQ™ an innovative automation platform, that seamlessly integrates all rail subsystems, delivering a turnkey solution to end-users and operators, empowering them to oversee and manage their rail networks from a centralized control room."



WHERE WE ADD VALUE

- ✓ Control Systems (ICS), including enterprise level SCADA
- ✓ Real-time monitoring and operational control
- ✓ Multi-system integration across vendors
- ✓ Lifecycle support and maintenance



USE CASES

- ✓ Rail and metro operations control
- ✓ Tunnel and infrastructure monitoring
- ✓ Seamless power, traction and facility systems integration
- ✓ Control centres and remote operations
- ✓ Next generation automation platform, SentientQ™



BUSINESS IMPACT

- ✓ Improve system reliability and operational continuity.
- ✓ Enable real-time control of complex infrastructure.
- ✓ Reduce downtime and operational risk
- ✓ Support safe, secure and efficient transportation operations
- ✓ Deliver scalable and future-ready systems

READY FOR ASEAN PROJECTS



Proven in complex infrastructure environments



Scalable for high-growth urban systems



Strong fit for rail & transit expansion projects



Open architecture and multi-vendor integration



CONNECT
WITH US



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Infrastructure & engineering advisory with project delivery expertise

Infrastructure United is a Canadian consulting engineering firm offering strategic technical advisory, project and construction management, and engineering solutions across the infrastructure sectors of Transportation, Building Science, and Utilities.

We work alongside public and private sector clients, including developers, to support projects from early planning through execution and delivery. Our approach focuses on aligning stakeholders, managing risks, and ensuring efficient, well-governed project outcomes.



OVERVIEW

With experience on major Canadian programs and international assignments, we deliver practical, innovative solutions that strengthen communities and drive long-term impact.



WHERE WE ADD VALUE

- ✓ Proven experience with complex government projects.
- ✓ Delivery of high-value infrastructure programs.
- ✓ Strong focus on innovation and industry best practices.
- ✓ Streamlined teams for faster, clearer communication.
- ✓ Effective coordination across all project stakeholders.
- ✓ Commitment to quality outcomes on every project.



EXPERIENCE

- ✓ Building condition assessments (BCA).
- ✓ Bridge rehabilitation & replacement projects.
- ✓ Highway reconstruction & corridor upgrades.
- ✓ Rail & transit infrastructure delivery.
- ✓ Water & wastewater infrastructure projects.
- ✓ Traffic signal & municipal infrastructure improvements.



BUSINESS IMPACT

- ✓ Strengthens project governance and execution control.
- ✓ Reduces delivery risks and coordination gaps.
- ✓ Improves transparency for project sponsors.
- ✓ Supports efficient and structured project delivery.
- ✓ Enables better decision-making across the project lifecycle.

READY FOR ASEAN PROJECTS



Works with public agencies and project sponsors.



Brings structured project delivery methodologies.



Facilitates coordination across international partners.



Supports rapidly developing infrastructure programs.



CONNECT WITH US



M. Kémoo El Sayed, P. Eng.
Sr. Director, Transportation & Expansion
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infrastructureunited.com



**Eddyfi
Technologies**

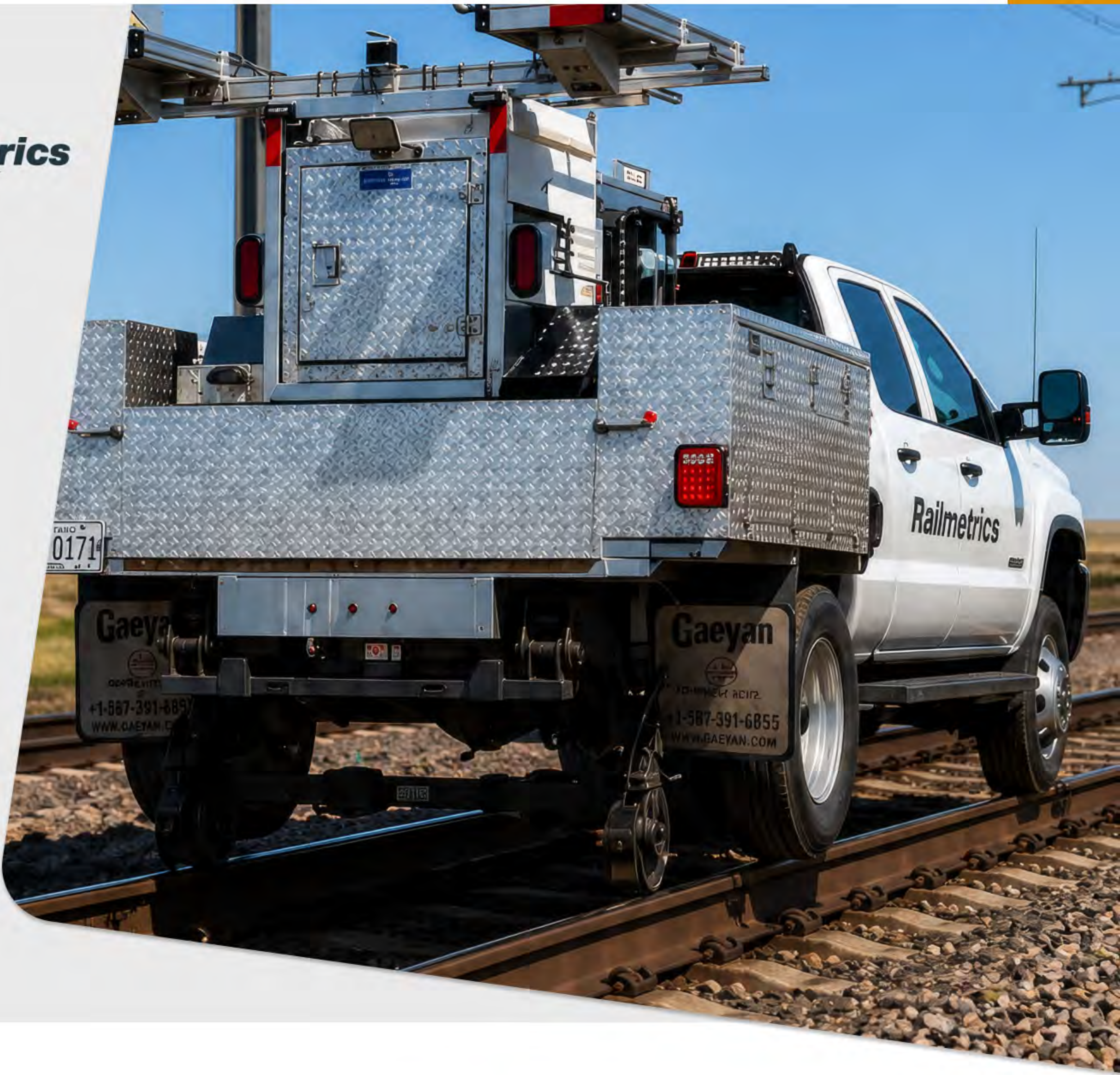
Automated Vision Systems



Automated turnout and tie inspection at track speed

proven accuracy, zero disruptions.

The Turnout Inspection Module is designed to automatically inspect critical turnout components at track speed without disrupting rail operations. It delivers accurate, repeatable, and geo-referenced results.



KEY BENEFITS

- ✓ High speed inspection at up to 75 mph (120 km/h)
- ✓ Simultaneous multi-component inspection including turnouts (switches and crossings)
- ✓ Reduced human risk and lower total inspection costs
- ✓ Proven accuracy and repeatability



MODULE CAPABILITIES

- ✓ Automated inspection of critical turnout components at track speed
- ✓ Geo-referenced output for precise location tagging
- ✓ Reliable day and night operation
- ✓ AI-driven defect detection and automated inspection of components



INSPECTION COVERAGE

- ✓ Switch points
 - ✓ Frogs (crossings)
 - ✓ Guard rails
 - ✓ Wing rails
- * Inspection is performed at track speed using the same sensors, delivering repeatable and geo-referenced results.*



TYPICAL MEASURED PARAMETERS

- Switch throw (flangeway clearance)
- Switch rail lateral attachment
- Blade check gauge
- Vertical clearance
- Guard check gauge
- Guard face gauge
- Flangeway depth



VALIDATED MEASUREMENT PERFORMANCE

- ~2 mm observed accuracy on key turnout measurements
 - Repeatability as low as ≤ 1 mm
 - Reproducibility as low as ≤ 1 mm
- * Performance values are based on published validation and customer field demonstrations. Actual results may vary based on track conditions.*

READY FOR ASEAN PROJECTS

- ✓ Proven solutions for heavy-haul, high-speed and urban rail
- ✓ Works with operators, agencies and asset managers
- ✓ Supports modernization and digital transformation
- ✓ Scalable and adaptable to diverse environments



**CONNECT
WITH US**



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Driving rail excellence through Canadian standards, collaboration and innovation.

TRACCS is Canada's leading rail standards organization. We develop and maintain national standards that ensure safety, interoperability and performance across the rail supply chain.

Through collaboration with industry, government and international partners, TRACCS creates the technical foundation that supports reliable rail systems today and in the future.



TRACCS
RAIL DAY
TORONTO



JUNE 17-18, 2026
Scan to learn more
and register.

GET INVOLVED

Standards are strongest when shaped by those who use them. Join TRACCS and help build the future of rail in Canada and beyond.

Join a committee | Attend Rail Day | Share your expertise | Stay connected



DEVELOP STANDARDS

We develop national standards for rails, rolling stock, signalling, infrastructure and operations.

- ✓ Safety
- ✓ Interoperability
- ✓ Reliability
- ✓ Performance



BRING STAKEHOLDERS TOGETHER

We convene industry, government, regulators and experts to build consensus and advance the rail sector.

- ✓ Open collaboration
- ✓ Balanced representation
- ✓ Shared expertise



SUPPORT INNOVATION & COMPETITIVENESS

Our standards enable innovation and support Canadian companies to compete at home and internationally.

- ✓ Technology adoption
- ✓ Market access
- ✓ Sustainable growth



BUILD KNOWLEDGE & CAPACITY

We provide tools, training and guidance to support the application of standards across the rail industry.

- ✓ Guidance documents
- ✓ Training & webinars
- ✓ Technical resources

WHY IT MATTERS



Safer rail systems for people and communities



Stronger industry through standards and innovation



Interoperable networks that move together



Global alignment, local expertise



CONNECT WITH US

BE PART OF RAIL DAY

Network with industry leaders, explore emerging trends and help shape the future of rail.

traccs.ca/railday



traccs.ca



linkedin.com/company/traccstransitrail



info@traccs.ca



CANADA



Railway &
Infrastructure **HUB**

SOUTHEAST ASIA A REGION INVESTING IN THE FUTURE OF MOBILITY

\$300B+

**LONG-TERM RAIL
AND TRANSIT
PIPELINE**

EXPLORE RAIL AND INFRASTRUCTURE
OPPORTUNITIES AND DISCOVER HOW CANADIAN
EXPERTISE CAN SUPPORT SOUTHEAST ASIA'S
GROWING MOBILITY SECTOR.



An initiative by



In collaboration with





SOUTHEAST ASIA
RAIL & TRANSIT
PIPELINE

CONNECTING SOUTHEAST ASIA TO A FUTURE
OF MOBILITY AND PROSPERITY

ASEAN is investing heavily in modern rail and transit infrastructure, creating opportunities for international collaboration in engineering, systems integration and infrastructure delivery.



680M+
ASEAN POPULATION
One of the world's
fastest growing regions.

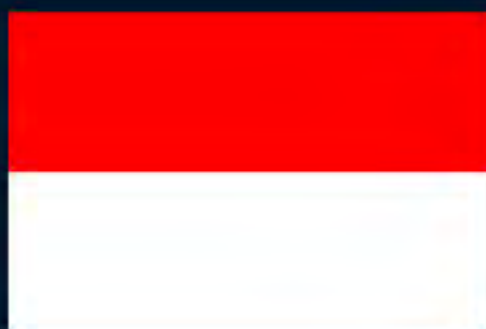


\$300B+
PIPELINE
Rail and transit investments
across six key markets.



**MAJOR
PROJECTS**
High-speed rail, metro, commuter
rail and urban transit systems.

RAIL & TRANSIT INVESTMENT PIPELINE BY COUNTRY

COUNTRY	POPULATION 2024 (EST)	FOCUS AREAS	PIPELINE INVESTMENTS (CAD)
 VIETNAM	101M	North-South high-speed rail and metro development	\$75B+
 INDONESIA	285M	Urban rail growth and high-speed rail development	\$70B+
 PHILIPPINES	120M	Metro Manila and regional rail expansion	\$55B+
 THAILAND	71M	High-speed rail, EEC and Bangkok transit expansion	\$50B+
 MALAYSIA	35M	ECRL and urban mobility projects	\$40B+
 SINGAPORE	6M	MRT expansion and network upgrades	\$40B+

* Projects are in various stages of planning, procurement and delivery.
† All figures in CAD. Information based on publicly available sources and industry insights at the time of publication.
‡ Certain illustrations are conceptual visualizations created for communication purposes and may not represent actual projects, designs or site conditions.

MAJOR RAIL & TRANSIT PROJECTS ACROSS SOUTHEAST ASIA

Strategic Rail Projects Creating Partnership Opportunities
Across Southeast Asia

TRANSIT EXPANSION PROJECTS

\$300B+
LONG-TERM PIPELINE



VIETNAM

North-South High-Speed Rail
Hanoi – Ho Chi Minh City
\$55B+
✓ Planned

Hanoi Metro Network
Multiple lines
\$15B+
✓ Under Construction

Ho Chi Minh City Metro
Lines 1, 2 and new extensions
\$10B+
✓ Under Construction



INDONESIA

Jakarta MRT Network Expansion
Phase 2 and future lines
\$20B+
✓ Under Construction

LRT Jabodebek
Commuter rail system
\$10B+
✓ Operational

Jakarta – Bandung High-Speed Rail
142 km
\$15B+
✓ Operational



PHILIPPINES

Metro Manila Subway
36 km
\$15B+
✓ Under Construction

North-South Commuter Railway
Manila – Clark – Calamba
\$10B+
✓ Planned

Regional Rail Projects
Cebu, Davao and other key corridors
\$8B+
✓ Planned



THAILAND

Bangkok MRT/ BTS Expansion
Multiple lines
\$20B+
✓ Under Construction

Thai-China High-Speed Rail
Bangkok – Nong Khai
\$12B+
✓ Planned

EEC Rail Connectivity
Linking ports, airports and industrial zones
\$10B+
✓ Planned



MALAYSIA

East Coast Rail Link (ECRL)
665 km
\$20B+
✓ Under Construction

MRT & LRT Network Expansion
Klang Valley lines
\$10B+
✓ Under Construction

Johor Bahru–Singapore RTS
Link & Double-Tracking Upgrades
\$10B+
✓ Under Construction



SINGAPORE

Cross Island Line (CRL)
50 km
\$20B+
✓ Under Construction

Jurong Region Line (JRL)
24 km
\$10B+
✓ Under Construction

Thomson-East Coast Line (TEL) Extensions
New phases and upgrades
\$10B+
✓ Under Construction



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OPPORTUNITIES FOR CANADIAN COMPANIES

CANADIAN EXPERTISE, INNOVATION AND VALUES ARE IN DEMAND ACROSS SOUTHEAST ASIA'S RAIL AND TRANSIT SECTOR.

From planning to operations, Canadian companies can play a key role in delivering sustainable, connected and future-ready mobility solutions.



Key Areas of Canadian Expertise



RAIL SYSTEMS & TECHNOLOGIES

- ✓ Signalling
- ✓ Communications
- ✓ Electrification
- ✓ Rolling stock integration
- ✓ Platform screen doors
- ✓ Control systems and power solutions



ENGINEERING & PROJECT DELIVERY

- ✓ Feasibility studies
- ✓ Detailed design
- ✓ Civil and systems engineering
- ✓ Project management
- ✓ Construction oversight major infrastructure delivery



OPERATIONS & ASSET MANAGEMENT

- ✓ Network operations
- ✓ Maintenance optimization
- ✓ Workforce training
- ✓ Safety management and lifecycle asset management



DIGITAL & SMART MOBILITY

- ✓ Data integration
- ✓ Digital twins
- ✓ Asset management
- ✓ Cybersecurity
- ✓ IoT
- ✓ Operational analytics and intelligent transport systems



INVESTMENT & PARTNERSHIPS

- ✓ Project financing
- ✓ PPP advisory
- ✓ Risk management
- ✓ Investment attraction and strategic partnerships with public and private stakeholders

SOUTHEAST ASIA REPRESENTS MORE THAN **\$300B** IN RAIL AND TRANSIT INVESTMENTS OVER THE COMING DECADE.

CANADA IS A PARTNER OF CHOICE FOR ENGINEERING, TECHNOLOGY AND INFRASTRUCTURE COLLABORATION.

NEXT STEPS FOR THE CANADA HUB

Building on strong momentum in 2026, the Canada Hub continues its journey in 2027.
Three strategic events. One connected mission

UPCOMING EVENTS - JOIN US

ASIA PACIFIC RAIL 2027 BANGKOK, THAILAND



📍 BANGKOK, THAILAND
📅 MAY 5-6, 2027

Southeast Asia's leading rail event connecting operators, infrastructure owners, investors and technology leaders.

TRACCS RAIL DAY 2027 TORONTO, CANADA



📍 TORONTO, CANADA
📅 JUNE 16-17, 2027

Canada's growing rail ecosystem gathering, bringing together owners, operators, engineering firms and technology partners.

INNOTRANS ASIA 2027 SINGAPORE



📍 SINGAPORE
📅 SEPT 7-9, 2027

A new regional platform backed by the global InnoTrans brand, connecting international rail leaders with Southeast Asia's mobility ecosystem.

WHY PARTICIPATE IN THE CANADA HUB?



GLOBAL EXPOSURE

Connect with key decision-makers across Asia and Canada.



STRATEGIC PARTNERSHIPS

Build relationships with industry leaders, investors and governments.



BUSINESS OPPORTUNITIES

Access projects, markets and investment opportunities.



KNOWLEDGE EXCHANGE

Stay informed on trends, innovations and best practices.



LONG-TERM IMPACT

Contribute to a more connected and sustainable rail future.

JOIN THE CANADA HUB SHAPE WHAT'S NEXT.

The Canada Hub is building a growing ecosystem of partners and participants to advance rail and infrastructure opportunities between Canada, the Indo-Pacific and around the world.



START THE CONVERSATION

✉ canadahub@sherpa-international.com

🌐 www.sherpa-international.com/canada-railway-infrastructure-hub

WHO WE CONNECT WITH:

- ✓ Rail operators and transit agencies
- ✓ Infrastructure owners and developers
- ✓ Engineering and consulting firms
- ✓ Technology providers and innovators
- ✓ Infrastructure investors and financiers
- ✓ Government agencies and public sector
- ✓ Industry associations and organizations

THE TEAM BEHIND THE CANADA HUB

The Canada Hub brings together experienced professionals with backgrounds in public affairs, railway systems integration, major project delivery and international industry engagement.



Martin Beaulieu

**International Partnerships
& Market Development**

Connecting Canadian and Southeast Asian rail and infrastructure ecosystems through market access, stakeholder engagement and strategic collaboration.



Geneviève Thémélis-Tremblay, Eng.

**Railway Systems Integration
& Project Delivery**

Bringing more than 20 years of international experience in railway systems, interface management and operational readiness across complex infrastructure programs.



**Stephen Hudon,
Eng., MBA**

Procurement & Major Projects

Supporting organizations with strategic sourcing, procurement governance and the delivery of large-scale transportation and infrastructure programs.



Ciaran Mullan

**Global Rail Industry
Engagement**

Supporting the Canada Hub through international rail industry engagement, strategic communications and global partnerships that strengthen Canada's presence in the worldwide rail ecosystem.

Supported by a growing network of public agencies, infrastructure owners, technology companies and international partners.



START THE CONVERSATION
canadahub@sherpa-international.com

Connecting projects, partnerships
and opportunities between
Canada and Southeast Asia.

EXPLORE • CONNECT • COLLABORATE • EXPAND