



Question today
imagine tomorrow
create for the future

SIMSA EPCM Event, Saskatoon, SK
Presented by Tanner Kirby – April 21, 2021

Safety Moment



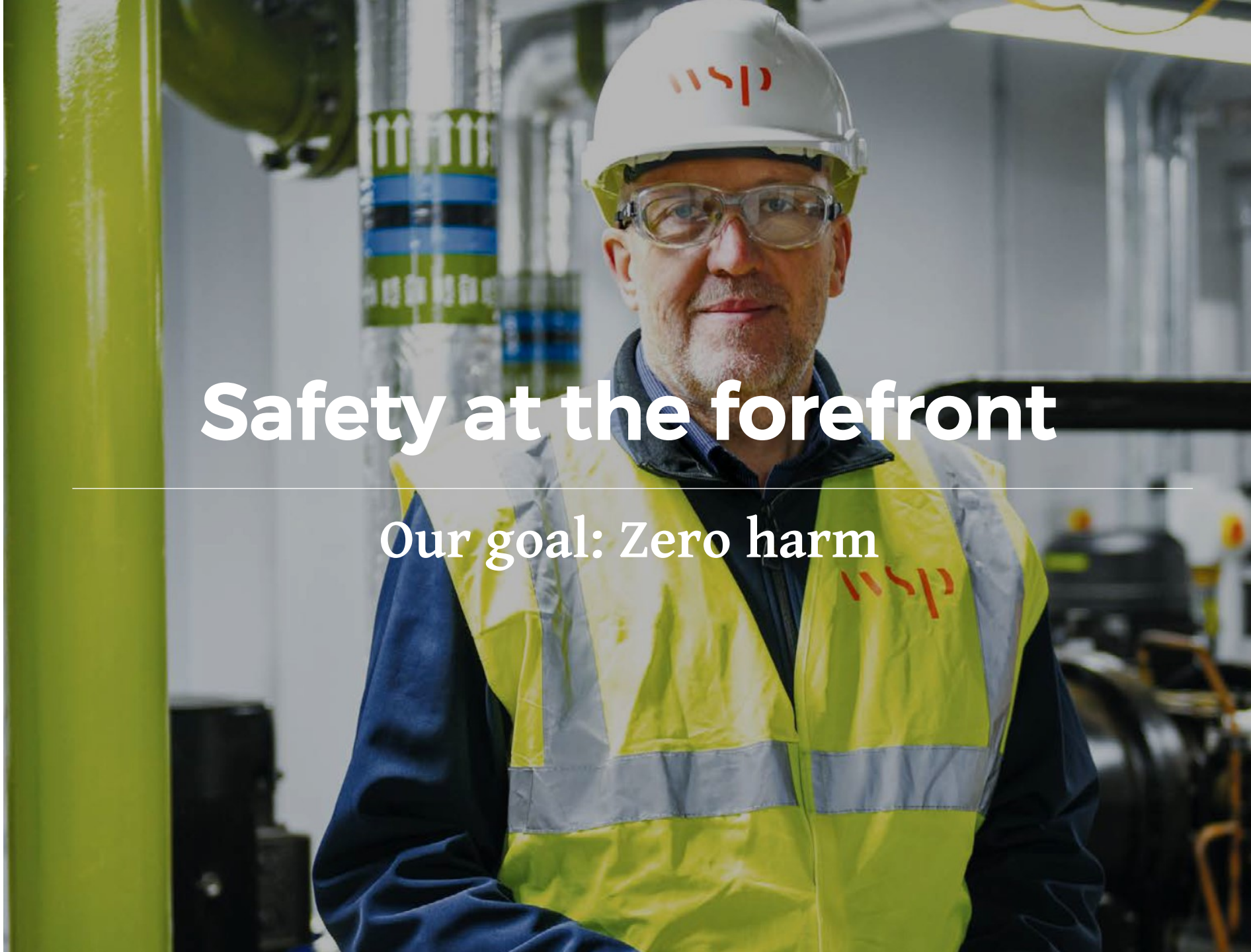
*WSP is committed to
efficiently prevent, act,
control and report risks*

*Health and safety is a
corporate and personal
responsibility*



Safety at the forefront

Our goal: Zero harm





Health, Safety & Environment

An integrated value

OUTLINE

Health & Safety

Who we are
Our sectors
Capabilities
EPCM Exp. & Serv.
Supply Chain Mgmt
How to become a supplier
Closing

- A health and safety policy that determines the **roles and responsibilities** of all stakeholders on projects
- WSP's **HSE program** is structured, documented and known to all employee
- WSP has established an HSE handbook including **security processes and procedures** for all project activities
- **WSP's HSE management team** is highly qualified to ensure the safe realization of daily project activities.

Resources

Power

Process & Energy

Transportation

Infrastructure

Buildings

Environment



Who we are

WSP is one of the world's leading professional services firms with more than 55,000 talented people globally.



WSP

&



GOLDER

Our Sectors

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ENERGY, RESOURCES & INDUSTRY

Mining
Process & Energy
Automation
Chemical
Pulp & Paper
Heavy and Light
Manufacturing
AgriFood
Hydropower
Wind
Solar
Bioenergy & Thermal
Pharmaceutical &
Biotechnology



TRANSPORTATION & INFRASTRUCTURE

Roads & Highways
Transit
Rail
Aviation
Ports
Bridges
Land Development
Water Supply and Treatment
Waste Management
Public Utilities
Communication &
Technology
Marine & Coastal
Traffic & Transportation
Planning



EARTH & ENVIRONMENT

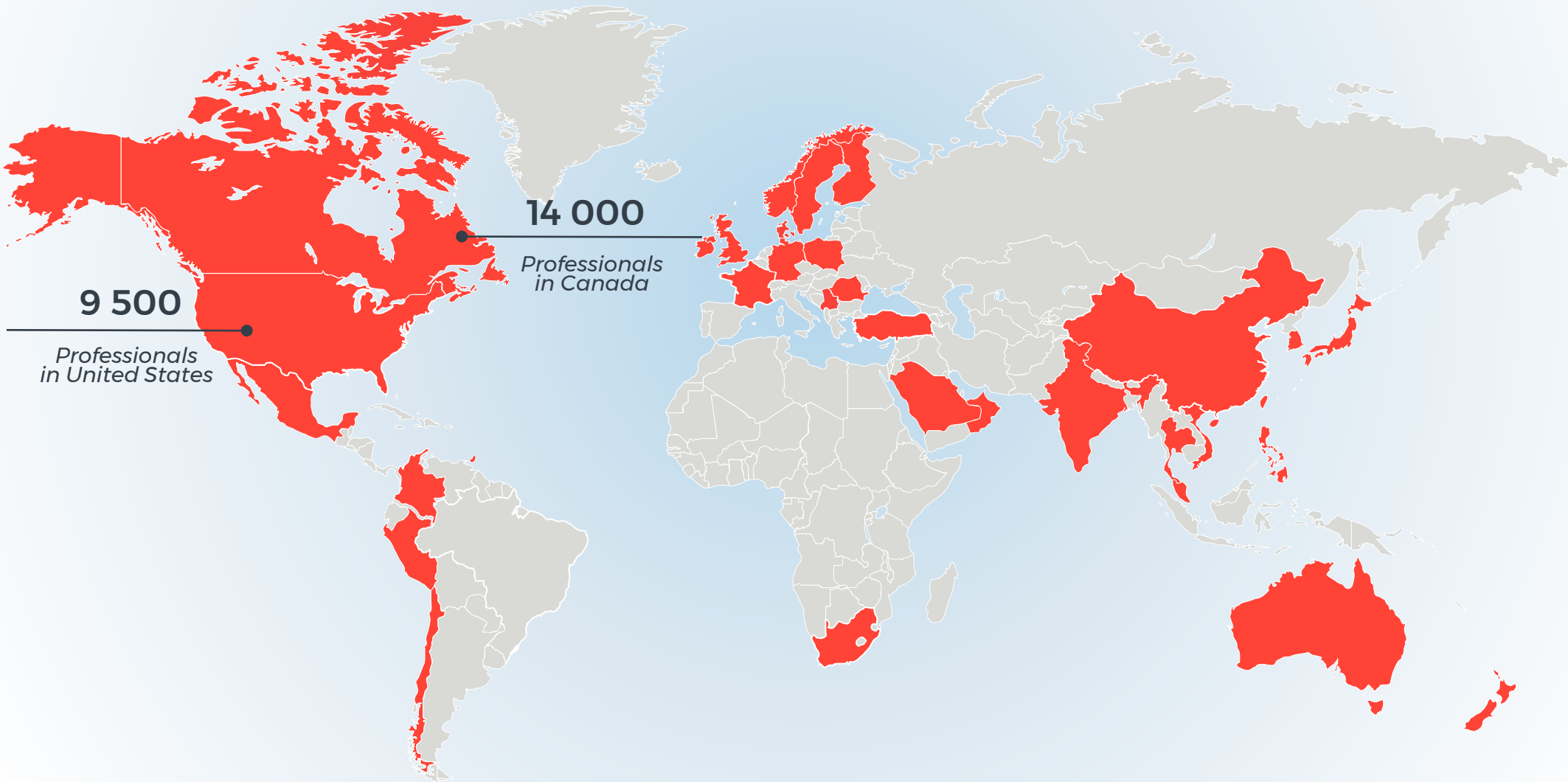
Planning & Ecology
Acoustics
Risk Management
Energy Management
Transaction Support
Digital Services
Landfill Sites
Permitting
Stakeholder Engagement



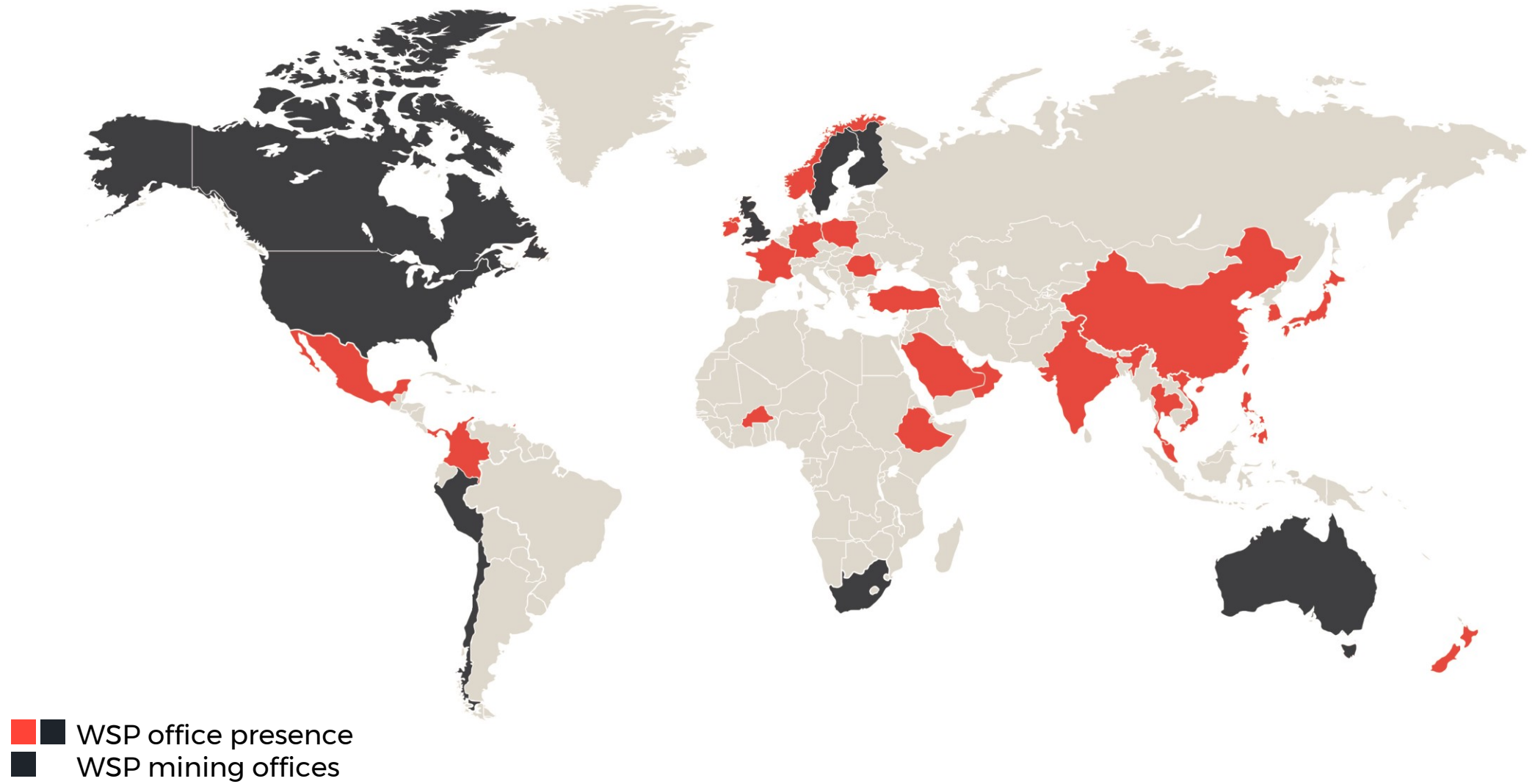
PROPERTY & BUILDINGS

Education
Sports & Cultural
Hospitality & Leisure
Commercial
Government
Healthcare
Residential
Retail
Terminals
High Rise
Safety & Defence

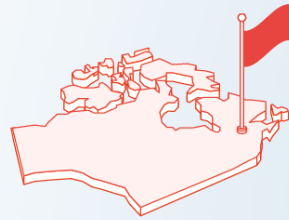
We are locally dedicated, with international scale



Global Mining Presence



Partner through the project lifecycle



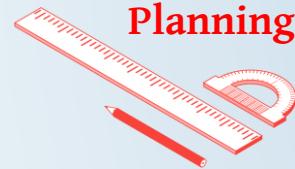
Identification



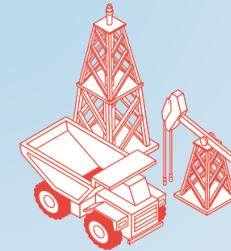
Design



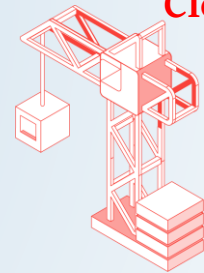
Operations



Planning



Execution



Closing

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Our Capabilities

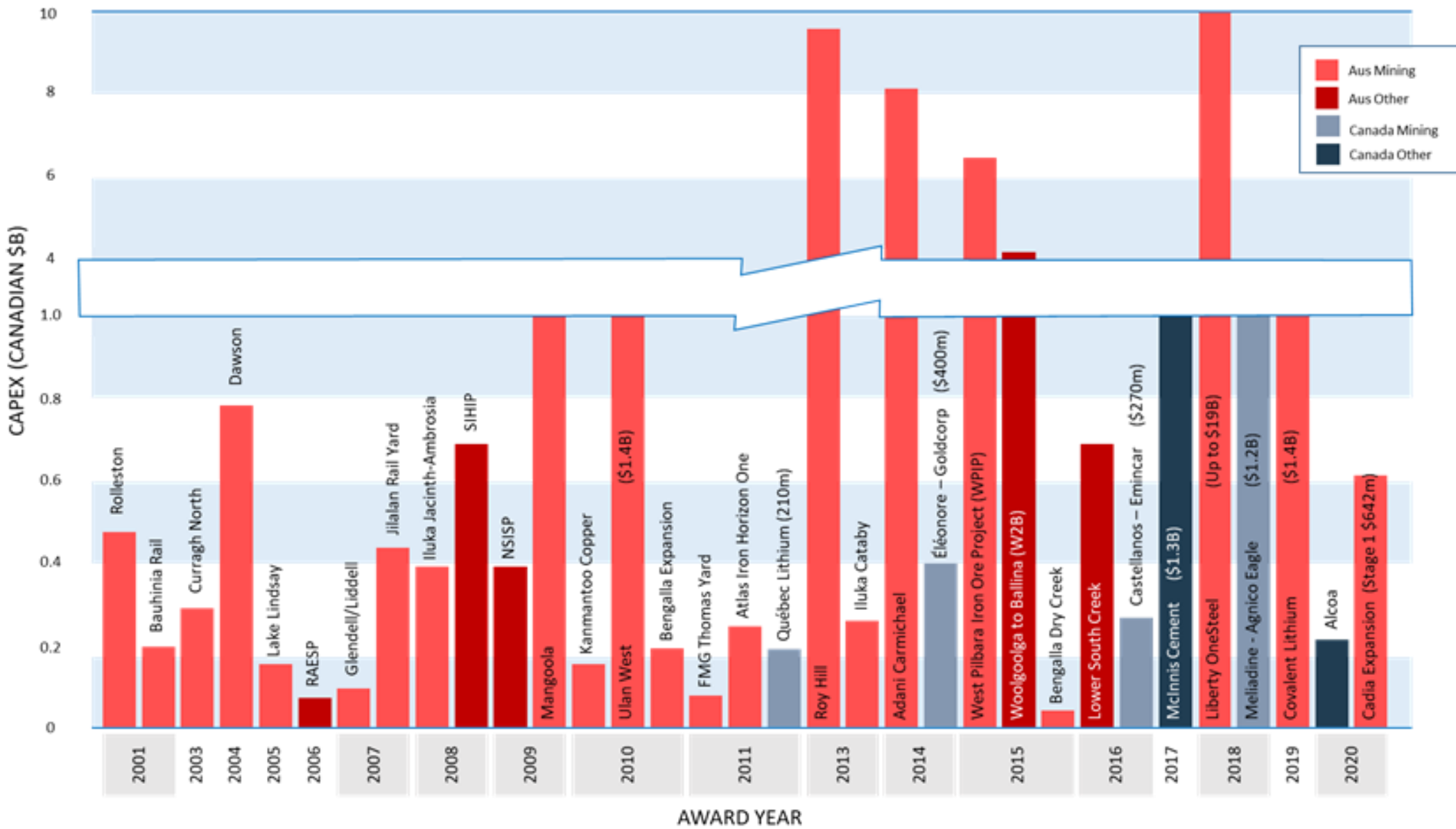
- Multidisciplinary professional services firm
- Fully integrated approach
- Development of optimized solutions
- Execute projects from planning to commissioning
- HSE, Operational, and Constructability considerations integrated in project delivery



Projects Snapshot

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Lalor Mine Project

HudBay Minerals

Snow Lake, Manitoba



PROJECT HIGHLIGHTS

- Water supply and sewer lines, mine waste water collection forcemains, Water Treatment / Fire Protection Pump House, Booster Station Pump Houses, polishing pond.
- Structural steel and cladding for the Hoisthouse, Collarhouse and Annex buildings
- Surface Ventilation Fans – Intake and Exhaust.

SERVICES

- Concrete Slab and Building for Temporary Winch
- Sinking Infrastructure
- Surface Ventilation Fans
- Certified Ropes
- Sheave Decks
- Certified Mechanical Equipment

Meliadine Gold Development Project

Agnico Eagle
Nunavut, Canada



PROJECT HIGHLIGHTS

- 3,500 tpd gold process plant
- Crush plant, ore handling and storage
- Paste backfill plant
- Surface infrastructure included truck shop, warehouse, camp and office, incinerator, explosives, and diesel storage and distribution
- Water treatment.

SERVICES

- Full EPC

Greenfield LiFePO₄ Plant

Phostech Lithium Inc. (Johnson Matthey Battery Minerals)
Candiac, Quebec



PROJECT HIGHLIGHTS

- Construction of new 2,400 tpy lithium iron phosphate production scaled from pilot plant
- Infrastructure included admin buildings, laboratories, and warehouse.

SERVICES

- EPCM
- Studies and Estimating services

Greenfield Cement Plant

McInnis Cement Inc.
Port-Daniel-Gasco, Quebec



PROJECT HIGHLIGHTS

- Consulted throughout definition and planning of project ranging from engineering studies, environmental permitting, and estimating.

SERVICES

- Environmental
- Preliminary, Basic, and Detailed Engineering
- Procurement and purchasing
- Construction Management
- Project Management and Contract Administration
- Commissioning and start-up assistance.

Mining Development Project (in progress)

Confidential Client
Western Canada



PROJECT HIGHLIGHTS

- Engineering integration with client, supporting internal workflows and processes
- Planning and execution of single-vendor project management system for monitor, control, and reporting.

SERVICES

- Project Management Consultant through EPC(M)
- Material Handling
- Processing Plant
- Stockpile and Storage
- Water and Wastewater
- Earthworks, Roads & Rail
- Utilities.

**Material
Handling**









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Oil & Gas Programs

- TC Energy D1BM 30MW Compression Program
- Enbridge
- TransGas
- Husky Thermal Template: SAGD Program
- Secure Energy Services, Kerrobert.

Weyburn, Saskatchewan

- Whitecap/Cenovus – Weyburn CO₂ Injection Wells and Pipeline Program
- NGL Liquids Recovery.

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Supply Chain Capabilities

Full-spectrum supply chain:

- Purchasing
- Expediting
- Supplier quality surveillance
- Materials management
- Contract formation and management



Supply Chain Capabilities

WSP assists our clients with:

- Contracting and procurement strategy
- Packaging strategy to support the construction execution strategy
- Developing project-specific procurement processes and templates.



Supply Chain Capabilities

WSP provides pre-award services to our clients:

- Identification of potential suppliers
- Pre-qualification of bidders
- Preparation of bidders list
- Preparation of supply and packages through RFQ
- Bid evaluations
- Preparation of commitment and contract agreements on behalf of the client.

WSP provides post-award services to our clients:

- Administration and change management
- Expediting
- Quality surveillance
- Logistic services
- Contract / PO close out.



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How to become a supplier: our clients

- Collaborative process with the clients we work with
- Client preferences may include standardization of design, operations and maintenance preferences/continuity, spare parts philosophy for capital and long lead
- Project bid lists also shaped by:
 - Client's approved manufacturers list
 - Local and regional business commitments



How to become a supplier: safely

- HSE performance and HSE Management System evaluation is a critical factor in evaluations
- HSE performance is measured by:
 - Statistics
 - Application of industry recognized safe work polices, practices and procedures and degree of compliance
 - Review of incidents and near misses severity and frequency
 - Use of HSE proactive indicators, i.e. daily hazard assessments, pre-job training, safety meetings.



How to become a supplier: questionnaire

- Prior to being considered to provide services to WSP, all potential suppliers/subcontractors must complete and submit questionnaire's for evaluation:
 - Show proven relevant experience
 - Demonstrate financial capability
 - Consistently meet cost, quality and delivery requirements
 - Demonstrate commitment to safe work environment
 - Demonstrate flexibility and co-operation in performing contractual obligations.



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Contact us

Please contact Damian McNaughton for any inquiries:

Damian.McNaughton@wsp.com

Director, Project Services



Damian
McNaughton



**PCS Rocanville – No.2
Conversion Project**



**PCS Cory – Red Expansion
Project**



**Mosaic K2 – Expansion
Project**

Perhaps the most challenging of all headframe designs is building a tall building over another tall building. WSP has performed this very feat for clients in Saskatchewan as a means to increase production for an existing facility or convert a service shaft into a production shaft.

We Are Local

WSP has roots in Saskatoon dating back over two decades. Our multi-disciplinary team can react quickly to our clients' needs, with the additional support of offices and experienced personnel across Canada.

Saskatoon Resources Team Leads



Larry Peters
Structural Lead



Tanner Kirby
Process /
Mechanical Lead



Aaron Suek
EIC Lead

ENGINEERING AND DESIGN

Front End Studies
Plant Design & Layout
Multi-discipline Detailed Engineering
Environmental Services

PROJECT EXECUTION

E/P Services
Owner's Engineer Services
On-site Engineering and Inspection
Pre-commissioning, testing, and start-up

OPERATIONS SUPPORT

On-site engineering support
Debottlenecking and Plant Improvement
Maintenance and Capital Engineering
Operational Readiness
Energy Design and Management

ASSET MANAGEMENT

Performance and Condition Assessment
Inspection Services
Turnaround Planning and Support
Risk and Safety Analysis

A photograph of a modern building with large glass windows and a brick base, set against a dramatic sunset sky with orange and red clouds. The building is surrounded by a snowy landscape. A large white sign with the 'wsp' logo is in the foreground. The text 'Thank you!' is overlaid in white. The website 'wsp.com' is visible in the bottom right.

Thank you!

wsp.com

