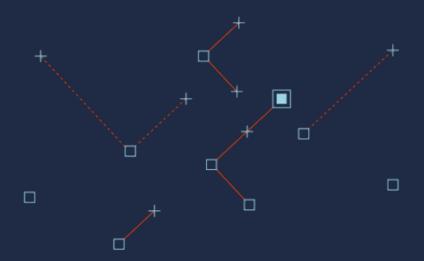


We are Norda Stelo



Driving Engineering through Innovation. Together. Sustainably.

Mobilizing the collective intelligence towards the sustainability of our partners' assets, our communities and the planet.

Brown Is the New Green! MC

18 Offices

- / Canada
- / USA
- / New Caledonia

+900 Professionals

7 Business Sectors

- / Energy
- / Manufacturing and Processing
- / Railway
- / Mining and Metallurgy
- / Ports
- / Roads
- / Public Transit

155M\$ CAD

Annual Revenue (FY2024)

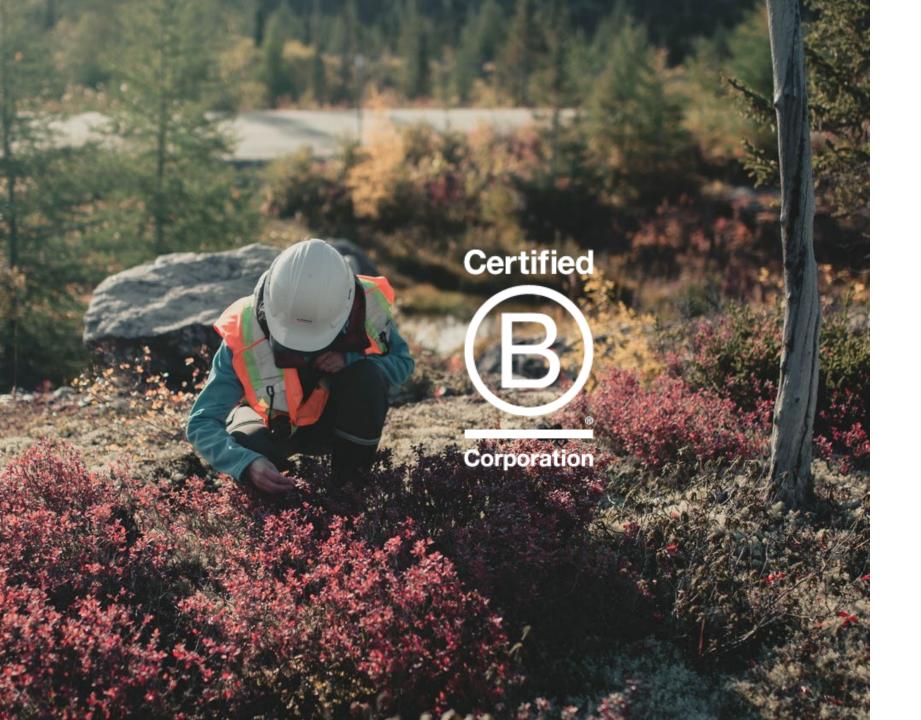
Norda Stelo

Headquartered in Quebec, Canada, Norda Stelo is a leader among medium-sized consulting engineering firms, operating for over 60 years, in 18 offices, throughout Canada and around the world. It carries out projects in some 50 countries.

An independent, employee-owned company, Norda Stelo has expertise in 18 centers of excellence and is active in several markets, including Energy, Manufacturing & Processing, Mining & Metallurgy, Roads, Sustainable Transportation and Smart Mobility.



Norda Stelo Solutions was founded in early 2022 to support the development of new technology products, focusing on asset sustainability and productivity.



Norda Stelo becomes the first major engineering firm in Canada to receive the B Corp certification

The Basis of Our Business Model

































Our Centres of Excellence





Environment, Climate Change and Community



Construction



Electricity



Rail



Asset Integrity and Reliability Management



Automation,
Robotics and Industrial IT



Building Mechanics and Electricity



Mechanical and Material Handling



Mining Engineering



Smart Mobility



Bridges



Ports and Coastal



Processes



Roads



Structure



Civil and Engineering Works



Piping and Pressure Vessels



Geology

ESG & Asset Management

Our Ambitions

Become the world leader in asset durability in 2028

Growth

Organic and nonorganic

International

- Expand outside Canada
- :: STELAR as a growth driver

Advanced Technology

- Niche and agile organization
- Engineering +
 Artificial Intelligence

Sustainable impact

- Partner in decarbonization and ESG performance
- B Corp Impact Business Model

Our Growth Business Sectors

- Port
- Railway
- Mining industry
- Energy transition
- Decarbonization ESG



Strategic Focus

Smart "Site-to-Port"

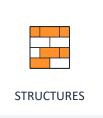
Delivering solutions to our clients and partners in the mining, rail and port sectors to materialize our growth.























Asset Management



Expertise in Asset
Management Governance
& Intelligent Asset
Performance Management



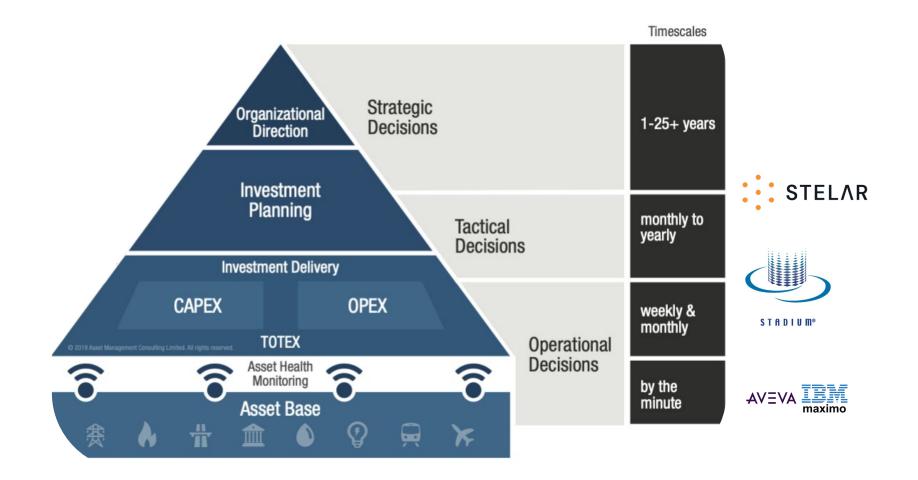
Asset Management Advisory



Institute of Asset Management www.theiam.org



Asset Governance



Asset Management Recent Projects

Asset Integrity Assessment

Agnico Eagle Meliadine Mine



Asset management program advisory

Port of Montreal, Canada



Inspection and condition assessment program

Neptune Terminals, Canada



Asset maintenance program for the electrolytic zinc plant

CE Zinc (Glencore), Canada





life.





Asset Management program / Stelar integration at London Gateway

SIMCO Technologies and Norda Stelo combined their strengths in order to support London Gateway in their Asset Management program. SIMCO Technologies, with their extensive experience and qualification in condition assessment of port infrastructures, support London Gateway Port facilities managing the health of their civil assets. **Norda Stelo**, with the integration of the **Stelar** platform will facilitate the collection of data on civil work assets and operations linked to asset tracking: health, risk, residual

This combined and innovative practice ensures a rigorous follow-up of assets to repair and maintain components according to evolving needs. This prevents deterioration, optimizes use to extend life, and considers the environmental impact of asset management decisions.

Port of London Authority, UK



Years of experience in asset integrity and management

Intelligent data processing technology





This Combination Allows to Benefit from Many Capabilities:

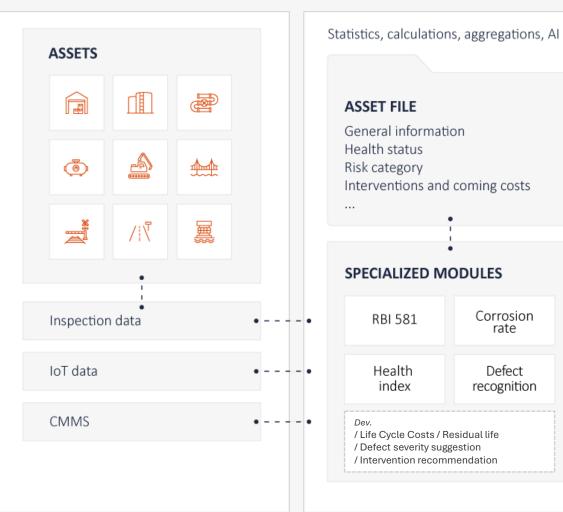
- Provides an overview of asset condition, residual life, and assets at risk
- Supports CAPEX and OPEX investment decisions
- Provides insightful financial, environmental, social, and governance (ESG) data
- Reduces downtime, major breakdowns, and unforeseen expenses
- Improves the efficiency of maintenance activities by digitizing operations











Visualize data via a dashboard

Plan investments according to recommendations (\$ et GHG)

Manage the progress of intervention projects

Predict and alert according to pre-registered parameters



Norda Stelo X Stelar: Anticipated Benefits

20 to 25%

Increase in the lifespan of assets

50%

Hours saved on capital investment and asset maintenance budget preparation

10%

Savings on maintenance and inspection costs

2 to 6%

Improvement in equipment uptime

Impact on ESG performance

Mesure your asset's ESG performance

Strategies

Present and explain your asset management approach

Concretely address ESG imperatives

Obtain operator collaboration to capture environmental data

Benefits

Justify ESG performance based on objective quantified metrics

Demonstrate that you are taking concrete steps to reduce your environmental footprint

Compound the benefits of a collaborative approach to better leverage ESG performance

Carbon Footprint Module Combining the Stelar pillars

Pillar 1

Condition assesment and residual life



Pillar 2

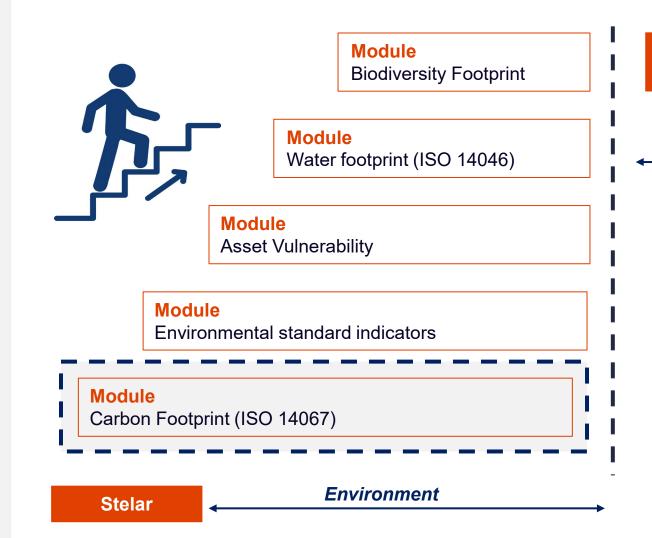
Risk-based investment planning



Pillar 3

Carbon footprint

Decision-support tool for asset durability, incorporating environmental aspects



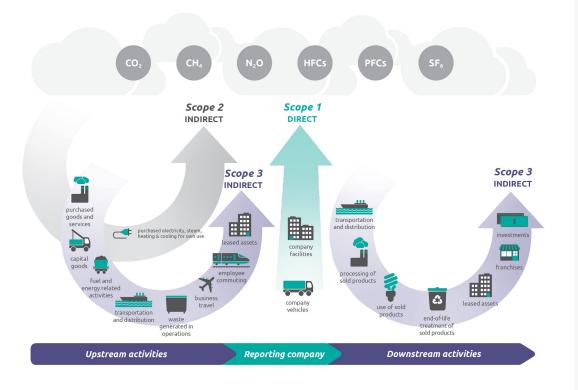
ESG

Solution(s)

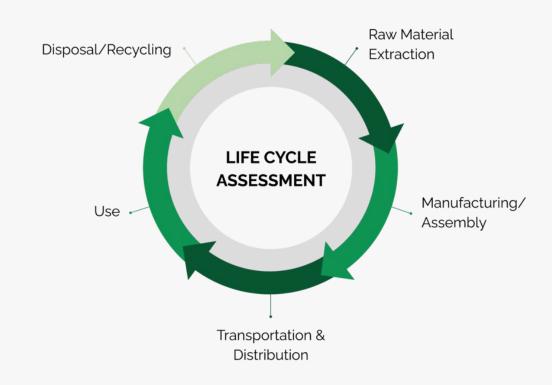
& Governance

Social

GHG Quantification (ISO 14064)



Life Cycle Analysis (ISO 14040/44)





Stelar: Decision Support Tool

Example: Maintaining major road bridge until new construction (15 yrs)

Road Bridge (real case)

Manufacturing Date: 1940

End of Life Projected by Stelar: 2015

Health Index: Critical

Scenario 1: Replacement in 2040

Scenario 2: Replacement in 2040

Scenario 3: Replacement in 2040

Scenario 1: Concrete Screed Maintenance as usual

Replacement Cost: at least \$12M

Carbon cost of replacement (scope 1): 0.25Mt CO2 eq Carbon cost of replacement (scope 2 & 3): 2.4Mt CO2 eq

Health Index: Bad

Scenario 2: Deck Replacement with Conventional Concrete

Replacement Cost: \$19M

Carbon cost of replacement (scope 1): 0.27Mt CO2 eq Carbon cost of replacement (scope 2 & 3): 1.2Mt CO2 eq

Health Index: Moderate

Scenario 3: Deck Replacement with Ultra-High Performance Fibrereinforced Concrete

Replacement Cost: \$27M

Carbon cost of replacement: 0.45Mt CO2 eq

Carbon cost of replacement (scope 2 & 3): 0.76Mt CO2 eq

Health Index: Moderate

Optimal scenario using LCA methodology:

Economic aspect only: scenario 1

By integrating Carbon Footprint Module: scenario 2

Potential for failure during the useful life of the asset (POF Société portuaire du Bas-Saint-Laurent et de la Gaspésie

SPBSG reduces its carbon footprint with Stelar

The Société portuaire du Bas-Saint-Laurent et de la Gaspésie implements Stelar to improve asset visibility, increase ports remaining useful life and reduce its carbon footprint.

Challenge

Management did not have visibility on the status of their port assets and the required investments in the coming years.

Solution

Stelar has been implemented to integrate inspection studies and plan capex investments accordingly while increasing asset durability and thus reducing carbon footprint.

Results

28,000t of carbon avoidance for one wharf only through extending the life of the port assets. 25% increase in the expected remaining useful life of one wharf!



