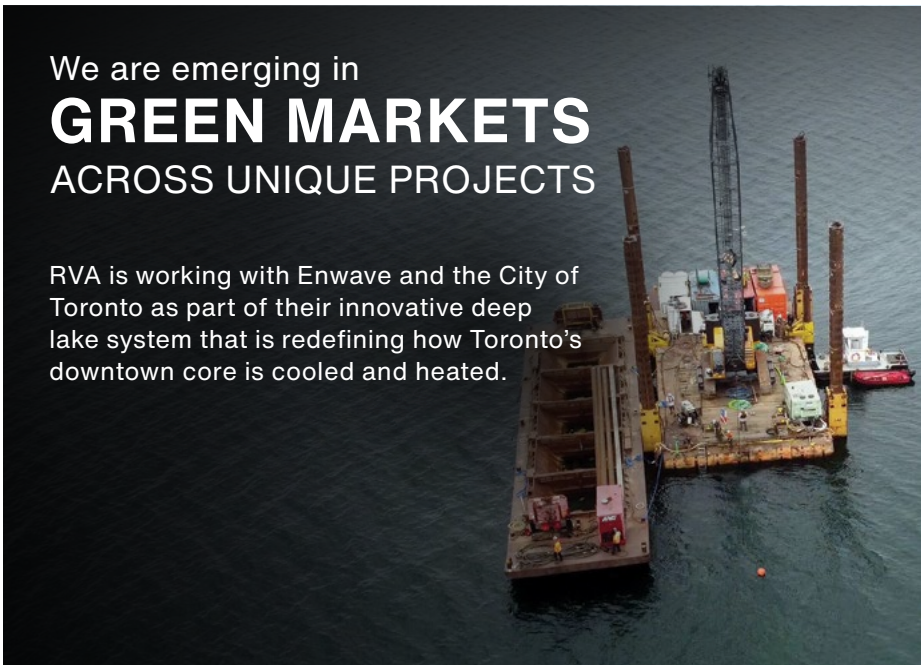
BUILT ENVIRONMENT

Rethinking design, redesigning thinking

Around the world, governments and companies have committed to creating built environments that don't compromise natural ones, or the ability of future generations to thrive. Our role is clear: to build a sustainable future that delivers more for communities.

To bring this future forward, we work with clients to create built environments that emphasize return-oriented developments in measures of natural resources, community wellbeing, economic productivity, public safety, and quality of life – in short, all the outcomes that our built environments are meant to enable and uphold.

RVA is accelerating the shift towards circular models in our built environments by exploring bold and innovative ideas that will restore and regenerate our communities. Whether we are working at the scale of buildings, neighbourhoods, cities, or entire regions, the result is the same: natural capital is preserved, lifespans of assets are extended, and resources are maximized. By helping our clients move from linear 'take-make-waste' models to circular value chains, we empower them as active decision-makers and change-leaders of our future landscapes.



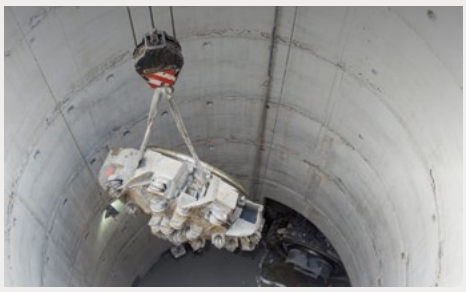
Featured projects

CHERRY ST STORMWATER FACILITY

Client: Waterfront Toronto
Location: Toronto, ON

ALPENFURY LAUNCH COASTER

Client: Canada's Wonderland Company
Location: Vaughan, ON

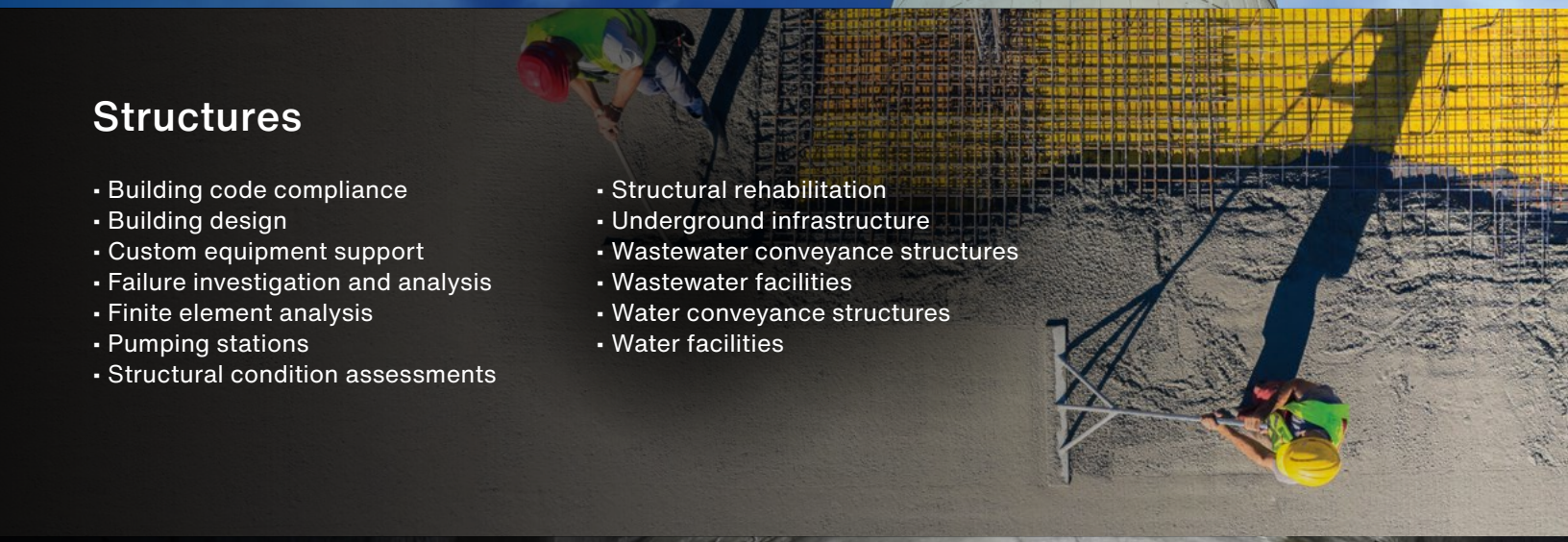


POWER DOWNTOWN TORONTO

Client: Hydro One
Location: Toronto, ON

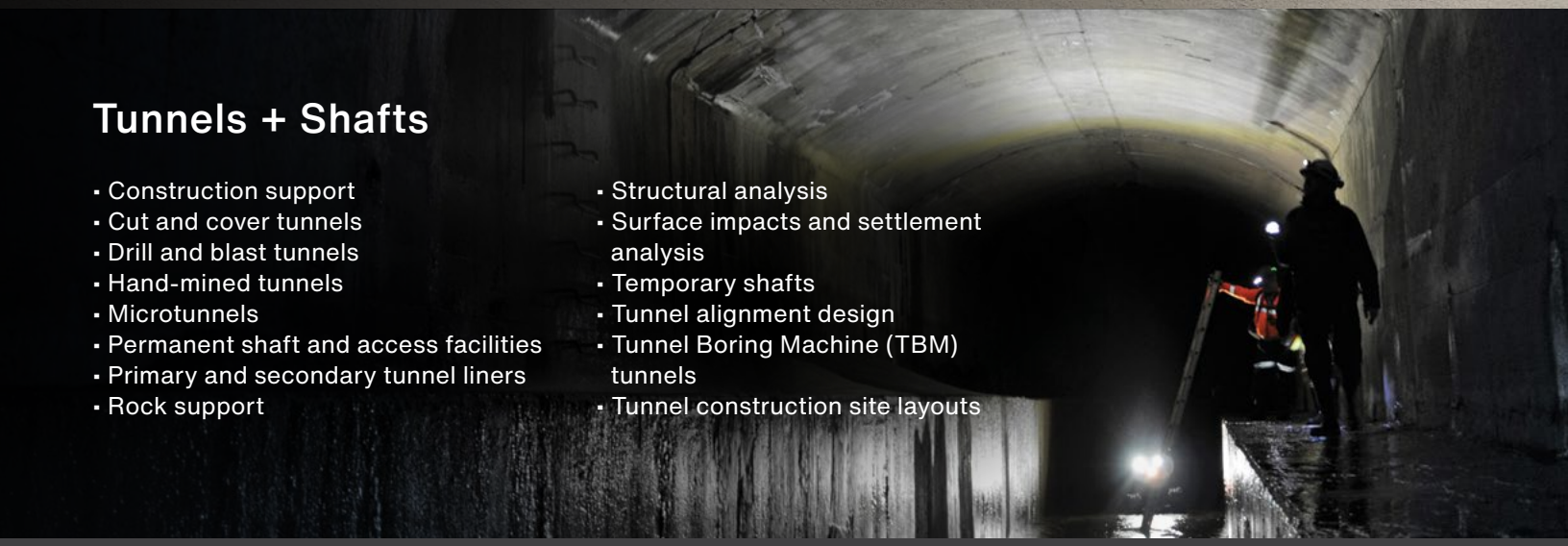
Specialist Structures

- 3D modeling and point cloud integration
- Amusement parks
- Dams
- Elevated tanks and shell structures
- Innovative concrete foundation designs
- Marine structures
- Sewer repairs and rehabilitation
- Spillways and hydraulic structures



Structures

- Building code compliance
- Building design
- Custom equipment support
- Failure investigation and analysis
- Finite element analysis
- Pumping stations
- Structural condition assessments
- Structural rehabilitation
- Underground infrastructure
- Wastewater conveyance structures
- Wastewater facilities
- Water conveyance structures
- Water facilities



Tunnels + Shafts

- Construction support
- Cut and cover tunnels
- Drill and blast tunnels
- Hand-mined tunnels
- Microtunnels
- Permanent shaft and access facilities
- Primary and secondary tunnel liners
- Rock support
- Structural analysis
- Surface impacts and settlement analysis
- Temporary shafts
- Tunnel alignment design
- Tunnel Boring Machine (TBM) tunnels
- Tunnel construction site layouts

This brochure does not include a full suite of services offered. For a full of list of services under Built Environment, get in touch with **Tyler Lahti**.

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