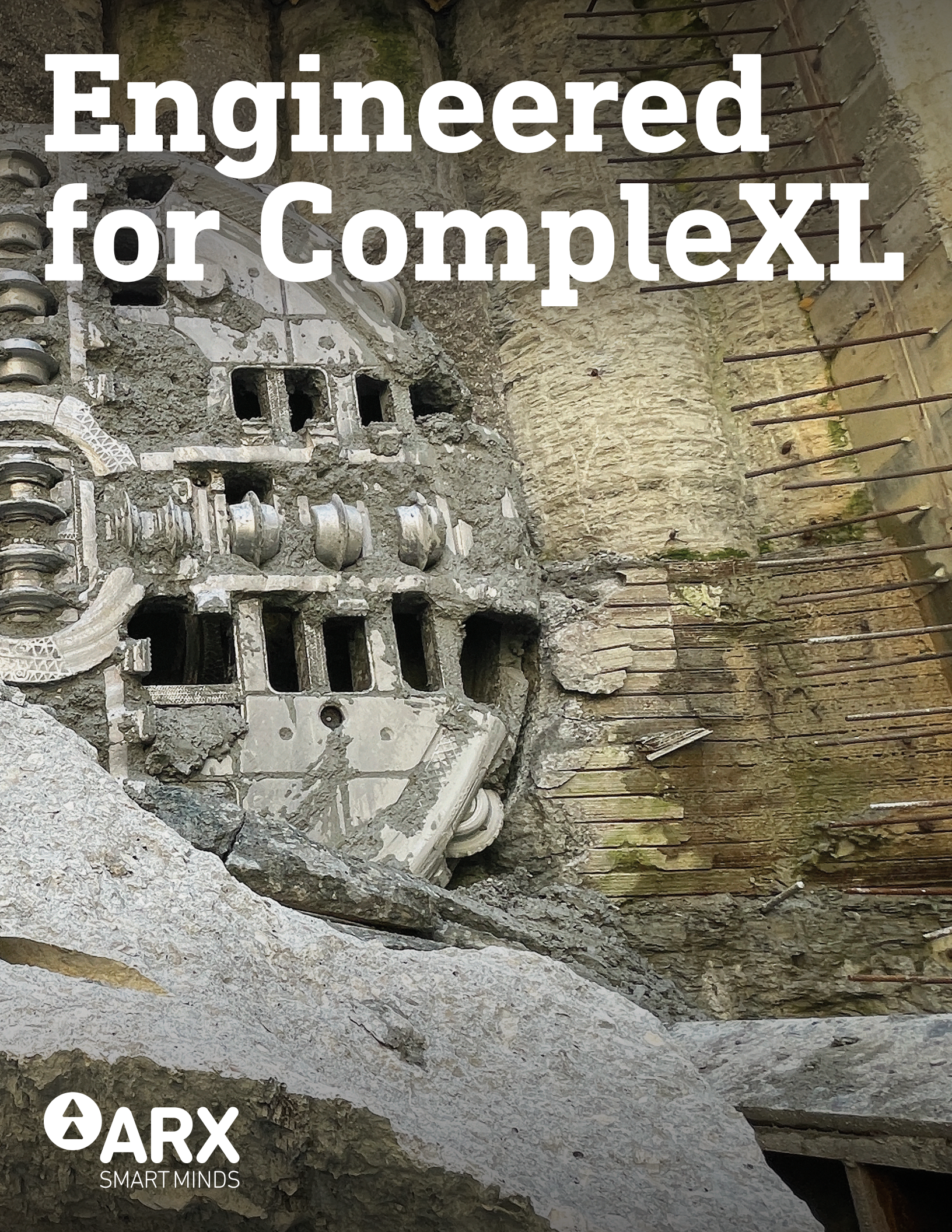




Engineered for Complex

We are a global network
of smart minds
providing cutting-edge
solutions in complex
design and engineering



DC Water Potomac River Tunnel
USA
2023-2030
USD 819'500'000

Expanding our Reach in North America



Our local capabilities are powered by the depth of a global group

Our presence in the U.S. continues to grow — anchored by our Washington D.C. office, we’ve expanded through strategic projects, strengthened partnerships, and a growing local team. This reflects both the trust our clients place in us and our deepening commitment to the North American market. Today, we deliver integrated services across three core sectors: Tunnels & Underground Structures, Hydropower, and Bridges. Backed by strong local teams, we offer end-to-end solutions — from concept through design — tailored to the unique demands of each project and client. Our local capabilities are powered by the depth of a global group with decades of experience in complex infrastructures.

While our focus in North America is rooted in today’s infrastructure needs, we are constantly looking ahead — drawing on international expertise to help shape resilient, sustainable, and intelligent systems.

We’re proud of the progress we’ve made and even more energized by the opportunities to help our clients build what’s next.

Roberto Schürch
Chief Regional Officer North America



Northside Interceptor Tunnel
USA
2024 - 2027
USD 215'000'000

Our branches act as entrepreneurial units, developing their own networks and relationships. This strengthens the entire group. They develop local know-how and combine it with global best practices, offering a full-service package to our clients.

Our **Glocal**

approach

is central
to everything
we do

We are actively present in:

Albania, Argentina, Australia, Austria, Bolivia, Brazil, Chile, China, Colombia, Denmark, Egypt, Ecuador, France, Germany, India, Israel, Italy, Nepal, Norway, Panamá, Perú, Portugal, Saudi Arabia, Spain, Switzerland, Tunisia, Türkiye, United Arab Emirates, USA



**Our
multidisciplinary
teams are made
of**

People

We are a comprehensive network of specialists, always integrating talent and expertise. Tackling complex design projects, ARX adapts and evolves with the dynamic and challenging global landscape. Continual evolution leads to continual growth.



Experts

We are experts in select design disciplines, combining deep technical specialization with the ability to lead broad, multidisciplinary projects. This versatility empowers us to tackle challenges of any scale — from the highly precise to the broadly complex — with confidence.

**CERN High
Luminosity Large
Hadron Collider**
France
2016-2024
EUR 65'000'000

ARX North America



Building the Future: ARX’s Commitment to Innovation and Community

Since its establishment in September 2022, Pini Group USA, now ARX, has been at the forefront of delivering cutting-edge engineering and consulting services across North America. As the Managing Director, I am proud to lead a team that embodies ARX global expertise while deeply engaging with local communities. Our growth is a testament to our commitment to excellence and our clients’ trust in our capabilities.

At ARX we prioritize innovation, sustainability, and inclusivity. Our diverse team collaborates to address complex engineering challenges, ensuring that our projects not only meet technical standards but also contribute positively to the communities we serve.

Elisa Comis
Managing Director



Team



Martino Scialpi
Technical Director



Pierluigi Nionelli
Head of Hydropower Business Line



Borja Martín
Bridge Business Development USA



Main office



Washington DC
ARX USA, Inc.
609 H Street NE, Suite 433
Washington DC, 20002
US



Projects in

75

countries

and

200

complex bridges

with well over

150

airports

in excess of

3,000

completed buildings

and

unlimited

ideas

including

4,000

km of railways and metro

with

5,000

km of tunnels

a boost of

28,000

MW in hydropower



Complex

We strive to be the partner of choice for complex projects where our expertise can create real value. When innovation must take shape, we bring bold ideas to life and meet ambitious challenges with the right blend of creativity and technical precision.

Grimsel Dam (Spitallamm)

Switzerland
2023 – 2025
CHF 125'000'000



Infrastructure

Connecting people
through innovative
systems

**Brenner Base
Tunnel**
Austria-Italy
2014 – 2028
EUR 2'628'000'000
(Lots: H71, H61, H53,
H52, H41, H33)



City

Shaping
tomorrow's
cities

Harbor Bridge
USA
2016-2025
USD 1'200'000'000



Energy

Creating paths
to a sustainable
future

Kühtai PSPP
Austria
2021-2026
EUR 500'000'000

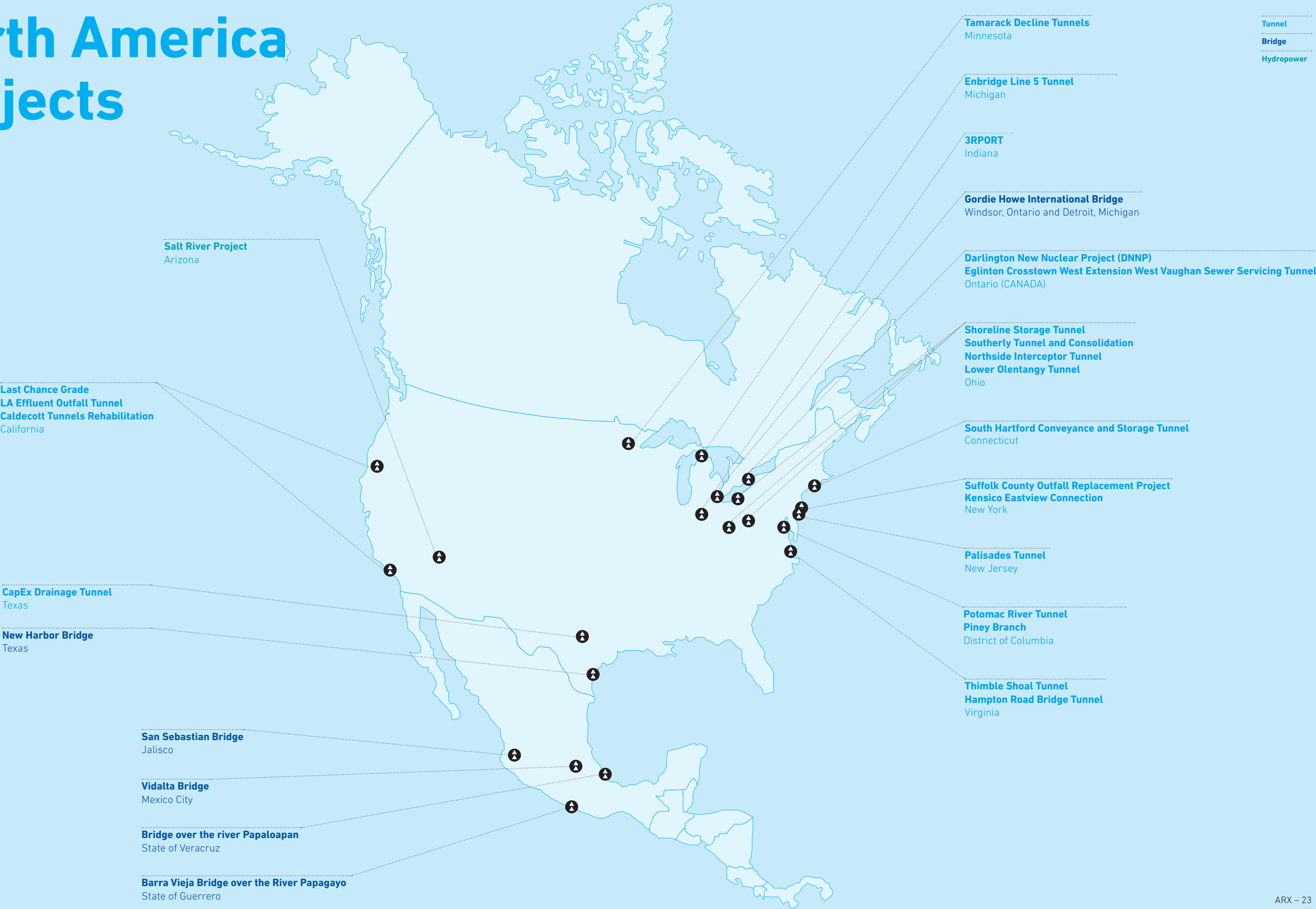


Industry

Supporting
industrial growth
worldwide

NSIF
Switzerland
2019-2027
CHF 755'000'000

North America Projects



Brief technical overview

Competences

Geology & Geotechnical

We bring deep expertise in geology and geotechnical engineering, with proven experience across diverse underground projects. Our team excels in site characterization, geotechnical data analysis, and predictive ground behavior modeling, supported by advanced 3D tools and simulations. Competences include TBM parameter optimization, ground support design, SEM, groundwater control, and risk management for mixed-face and high-pressure conditions, ensuring safe and resilient underground infrastructure.

Structural

Our structural engineering expertise spans complex permanent works and innovative temporary works. We have delivered challenging bridges, underground structures, and heavy civil components with a focus on safety, durability, and constructability. Our competencies include structural design in steel, concrete, and composite systems, seismic and dynamic analysis, and optimized temporary works such as shoring systems, cofferdams, and TBM support structures. We also have specialized experience in the design and delivery of signature and complex bridges, with particular expertise in cable-stayed structures.

Hydropower

We provide integrated design solutions for hydropower and pumped storage plants, combining civil, hydraulic, mechanical, and electrical expertise. Our capabilities cover waterways, caverns, pressure shafts, intakes, and powerhouse structures, as well as electro-mechanical integration. Specialized knowledge in transient hydraulic analyses -covering water hammer, surge control, and system stability- ensures safe and reliable operation of high-head and pumped storage schemes.

Digital Modelling

From concept to full LOD500 implementation, we deliver advanced digital modeling solutions that enhance coordination and constructability. With global project experience, our team develops 3D/4D/5D models, digital twins, and clash detection systems, using BIM as a powerful tool for logistics planning, sequencing, and schedule optimization, helping projects anticipate challenges and stay aligned with critical paths.

Construction Management

We offer complete construction management services for major infrastructure projects worldwide. Our Innovation & Global Academy approach combines international best practices with local adaptability, ensuring efficiency, safety, and quality. Competences include integrated engineering and logistics, sequencing optimization, risk management, and implementation of innovative methods that reduce time and cost without compromising safety standards.

Domains

Airports
Bridges & other Structures
Buildings - architecture
Buildings - civil engineering
Cableways
Digital & Innovation
Environment
Equipments
Geology
Geotechnics
& Special foundations
Hydropower
Metros
Nuclear plants
Oil & Gas
Pipelines & Networks
Ports / Maritime works
Railways
River engineering
Roads
Traffic & Mobility
Tunnel & Underground
Water / Wastewater treatment

Main services

BIM
Client's representative
Construction management
Consulting / Expertise
Design
General planner
Independent Checking Engineer (ICE)
Inspections & Assessment
Measurement & Surveying
High level supervision
Project owner support
Public Private Partnership (PPP)
Support to contractor
Technical site supervision
QA/QC

Phases

Strategic planning
Preliminary studies
Preliminary design
Final design
Permit-obtaining procedure
Tender design
Construction design
Construction
Commissioning, completion
Operation, Control, Maintenance

Like an explosion of color, ARX has dramatic reach and vibrant potential. We celebrate our wide spectrum of expertise. At our core, we contain rare elements: unique thinkers and creators.

Racing towards a future of efficiency and sustainability. ARX is driven by these individuals. With every team member exploring the borders of what we know, our impact grows, and our potential expands. The ARX universe is a nexus of talent and innovation, where infinitely more is possible.

We are transforming communities one at a time, remaining focused on our mission:

Make it happen

**Gordie Howe
International
Bridge**
USA-Canada
2016-2025
USD 5'500'000'000



Keep in touch

Follow us

