Ballard - Introduction Presentation

BALLARD
MARINE CONSTRUCTION
A Traylor Construction Group Company

CRSOA COBALT 2026

MEET THE TEAM

Liam O'Brien
Federal Business Dev. Rep
Ballard Marine Construction

BALLARD MARINE CONSTRUCTION
A Traylor Construction Group Company

A Partnership Like No Other

CONSTRUCTION TRAYLOR GROUP

TRAYLOR TRAYLOR BROS., INC.

BALLARD MARINE CONSTRUCTION

TRAYLOR INDUSTRIAL GROUP

Work with one of us – or work with all of us

Ballard History

BALLARD MARINE CONSTRUCTION
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1978
Ballard Diving & Salvage founded in Seattle

2006
Shilo Hutton acquires Ballard Diving & Salvage

2010
Ballard opens Southwest Regional Office

2013
Ballard acquires assets from Veolia and Ballard's Midwest Regional Office open

2018
Ballard opens Southeast Regional Office

2022
Ballard acquires assets from MTI and Mid Atlantic Regional Office open

2001
Northwest Underwater Construction (NUC) founded by Jesse Hutton

2008
Hyperbaric Services Division Started

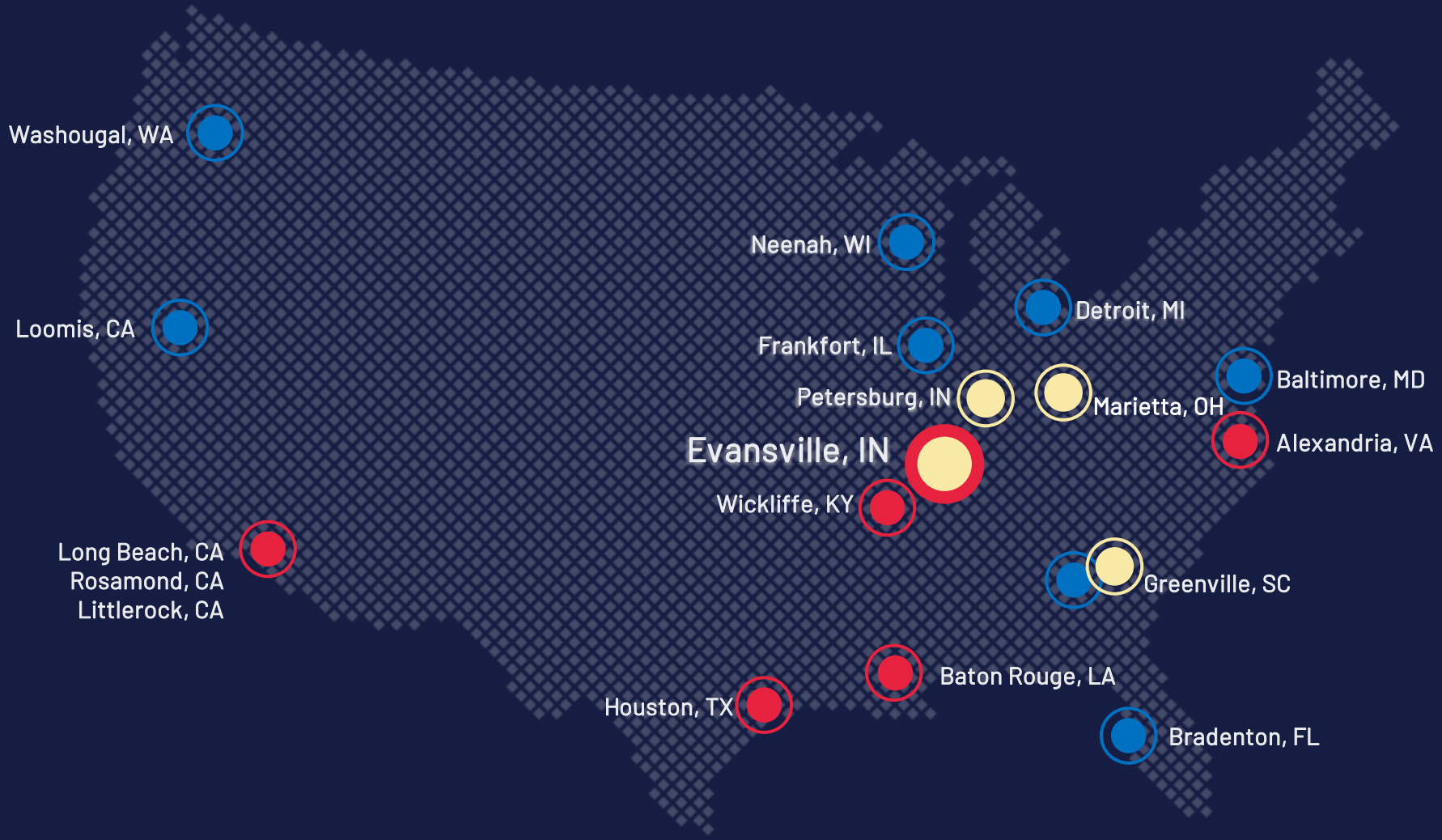
2013
NUC and Ballard merge into single entity, Ballard Marine Construction

2017
Traylor Bros. invests in Ballard

2020
Ballard's Robotics and Survey Division (RSD) created

2023
Greenville, SC Office Opens

Local and Nationwide Coverage



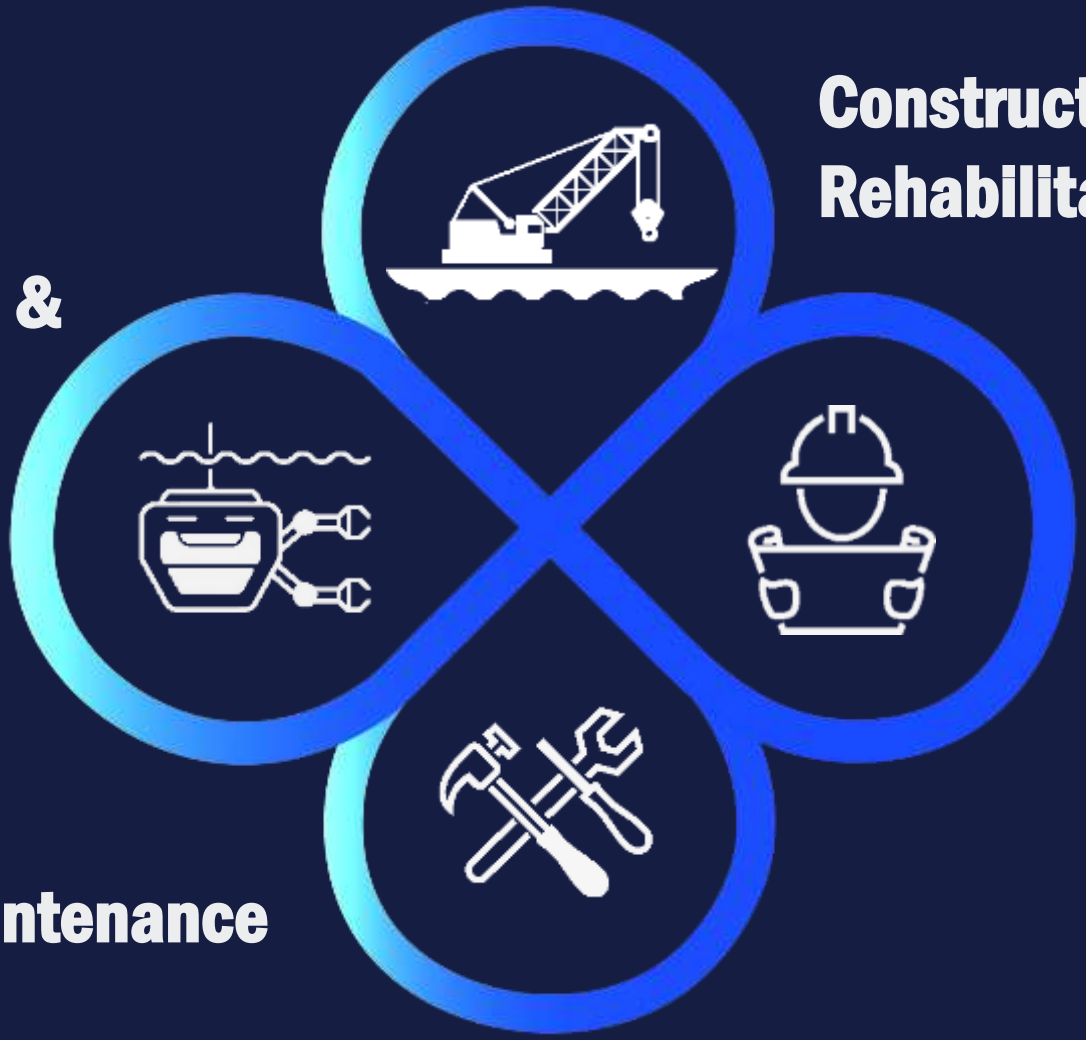
Headquarters
- Traylor Bros., Inc.
- Traylor Industrial Group

Traylor Bros., Inc.

Traylor Industrial Group

Ballard Marine Construction

Ballard's Integrated Approach



Construction & Rehabilitation

Inspection & Survey

Engineering & Constructability Support

Maintenance

Market and Infrastructure Focus

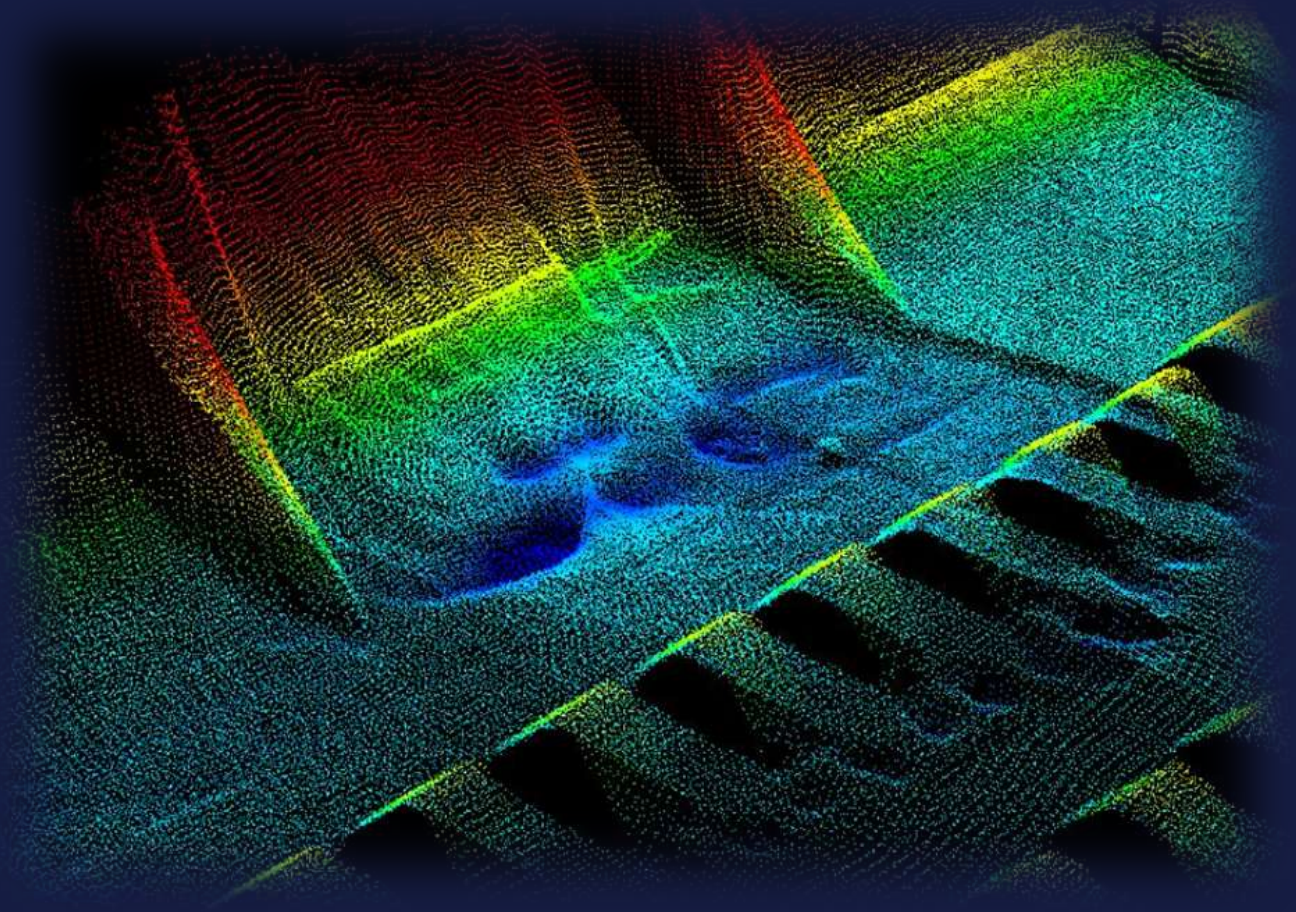
Power	Water/ Wastewater	Transportation	Environmental	Industrial
• Hydropower • Fossil • Nuclear	• Intakes and Outfalls • Conveyance Tunnels • Reservoirs • Raw Water Systems	• Bridges • Tunnels • Marine Facilities • Ports and Harbors	• Marine Salvage • Spill Response • Hazardous Waste Removal	• Oil & Gas • Metal Refineries • Pulp and Paper

INSPECTION & SURVEY

Comprehensive Remote Underwater Services

We provide turnkey marine and underwater inspection and construction services, utilizing cutting-edge technology and expert personnel to assess and maintain critical infrastructure. We specialize in high-head dams, bridges, industrial plants, and complex marine environments, delivering precise, data-driven insights to support asset integrity and long-term operational success.

- Underwater Condition Assessments/Inspection (via robotics)
- Hydrographic Surveys (Multibeam and Single Beam)
- 3-Dimensional Infrastructure Modeling
  - Lidar
  - Sonar
  - Photogrammetry
- Seepage and Differential Pressure Detection
- Hydraulic Flow / Current Modeling
- Vessel Positioning and Monitoring
- Underwater Construction Tooling Packages
  - Cutting
  - Drilling
  - Shearing
  - Dredging
  - Cleaning
- 24-Hour Emergency Response



Inspection and Survey Systems

Swimming Remotely Operated Vehicles (ROVs)

Autonomous Underwater Vehicles (AUVs)

Crawling Remotely Operated Vehicles (ROVs)

Diver Interventions

ENGINEERING & CONSTRUCTABILITY SUPPORT

Raw Water Tunnel Survey/Inspection and Repair

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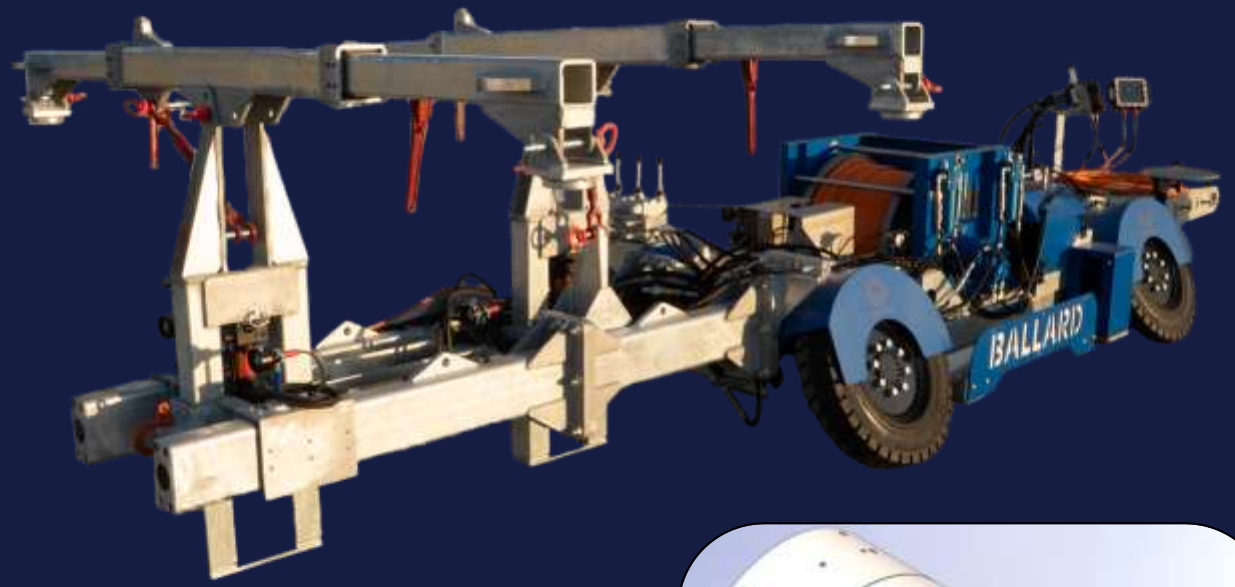
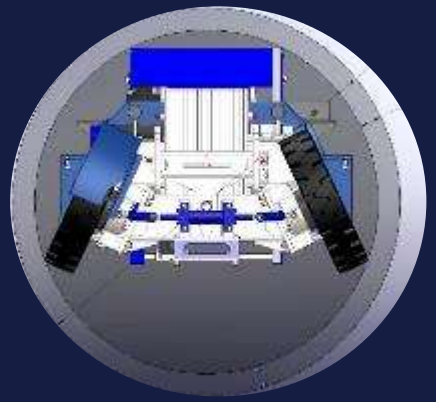
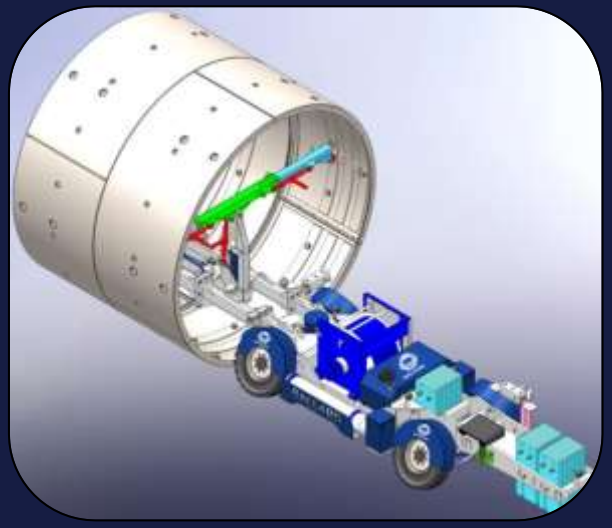
Innovative Solution

- ✓ Five years of tunnel and pipe inspection to assess infrastructure condition
- ✓ During the Early Contractor Involvement (ECI) process, Ballard developed a rehabilitation design that limited the impacts to the water plant operations, while other solutions required shutdowns and diversions
- ✓ Ballard's engineering and technical SMEs developed an in-flow solution that preserved service to a critical urban environment
- ✓ Developed a highly innovative rehabilitation program that utilized custom stainless tunnel liners installed with a specialized underwater ring transporter that was designed, built, and patented by Ballard
- ✓ Full testing and mock-up of the rehabilitation program at the Oregon State University wave lab was performed prior to the project's start
- ✓ Successfully designed and built very specialized tunnel access shafts drilled into high-risk tunnel systems without experiencing any crown failures
- ✓ Liner installation in several thousand feet of 12 – 14' diameter tunnel, including tunnel cleaning, crack mapping and injection, tunnel placement, drilling/grouting







High Head Dam Seepage Monitoring and Mitigation

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Innovative Solution

- ✓ Supported the Owner's infrastructure assessment program over a ten-year period with highly sophisticated forebay and toe inspections using ROVs, Sonar, and underwater surveying
- ✓ Two years of Early Contractor Involvement (ECI) that included technical workshops to develop seepage mitigation
- ✓ Innovative solution to infilling historic diversion tunnel with low-density fill via deep drilling, Controlled Low-Strength Material (CLSM) conveyance, and sonar monitoring infill levels
- ✓ Final technical solution included the construction of a unique work platform attached to the dam, a complex drilling/grouting campaign through 200 feet of water, 100 feet of debris and sediment, and several hundred feet into rock, complex marine work, waterproofing of dam abutments, and other upland infrastructure work

CONSTRUCTION & REHABILITATION SERVICES

Construction & Rehabilitation Services

- Turnkey specialty underwater and marine construction contractor
- Expert in highly technical, non-commodity, specialized work scopes
- Experienced in remote and challenging project locations
- Trusted network of prequalified subcontractors, consultants, and vendors
- Able to partner with other Traylor Construction Group Companies to provide full project solutions

Big Creek PH 3 Intake and Dam 6 Dredging

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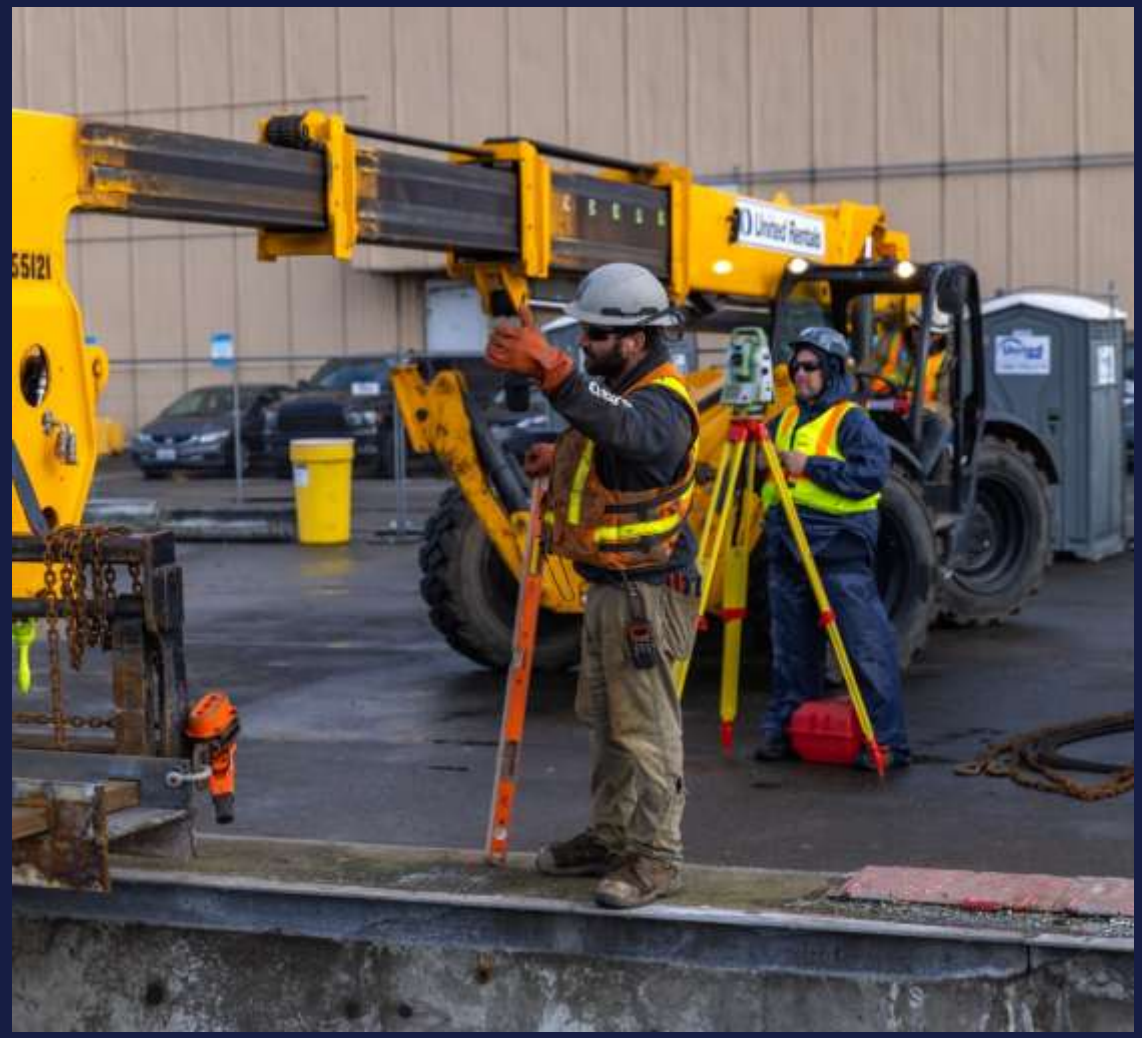
Innovative Solution

- ✓ Early Contractor Involvement (ECI) emergency sediment removal project involving dredging 23,000 cubic yards of sediment from the reservoir and intake tower
- ✓ Remote High Sierra work environment, upgrading bridge and road access
- ✓ Developed work plans that enabled safe work in high river flows of two knots and above
- ✓ Innovated engineered stability analysis and barge anchorage to access work area in swift water
- ✓ Structure penetration, diver-assisted hydraulic dredging, and high-altitude deep air diving
- ✓ Specialty dredging equipment that improved site access, increased productivity, and reduced schedule
- ✓ Pre- and post-dredge surveys (bathymetry), Dredge surveys, using Hypack and underwater positioning technology

MAINTENANCE SERVICES

Maintenance Services



- **Early intervention and maintenance planning** by in-house inspection and survey teams
- **Extend the life of an asset and reduce Cap-Ex projects** by working with O&M departments to develop focused asset maintenance plans
- **Emergency maintenance services** with 12-hour mobilization window nationwide and facilities to perform maintenance and repair
- **Support maintenance project plans** through experience in environmental and regulatory compliance

Diablo Dam

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Innovative Solution

- ✓Emergency contract to remove 900 cubic yards of debris in 120 feet of water and the replacement of two trash racks
- ✓Remote mountain access mobilization that included transportation equipment over forest roads and bridges
- ✓Deep air-diving (150’+) and surface decompression
- ✓Engineering, construction, and installation of custom steel fabrications

COLLABORATIVE DELIVERY

CONTACT ME

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Questions?

Thank you!