

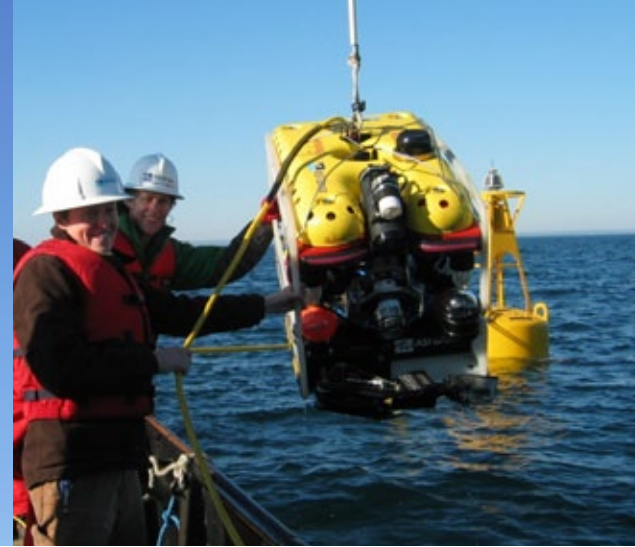


UNDERWATER CONSTRUCTION CORPORATION

A WORLDWIDE LEADER IN COMMERCIAL DIVING FOR OVER 50 YEARS



MARINE SERVICES



INSPECTION

PROJECTING LONG TERM PREVENTATIVE MAINTENANCE STARTS WITH OUR DETAILED INSPECTION PROGRAM.

The UCC approach to inspection combines in depth knowledge of industry requirements, specialized training and advanced diving techniques to assure the quality of each inspection.

- Multiple Point TWS Condition Assessment
- Pipeline Penetration & Condition Assessment
- Concrete & Steel Infrastructure
- FERC Part 12 Inspections
- Working & Inspections Class ROV's
- Bathymetric Services
- Dual & Single Axis Sonar Digital Imagery
- Bridge Inspections
- Destructive & Nondestructive Testing
- Data Analysis & Technical Reporting



MAINTENANCE

UCC'S PREVENTATIVE MAINTENANCE SERVICES ARE DESIGNED TO REDUCE YOUR COSTS, MINIMIZE DOWN-TIME AND AVOID COSTLY EMERGENCIES.

Our team works closely with each customer to ensure their custom program is consistent with the facility's unique technical specifications and operating requirements.

- Underwater Welding to ASME & AWS Requirements
- Traveling Water Screen Repair & Rebuild
- Diver Assisted Dredging & Debris Removal
- Pipeline & Tunnel Maintenance
- Concrete Repair & Refurbishment
- Log Boom & Security Barrier Repair & Installation



CONSTRUCTION

UCC OFFERS “TURNKEY SERVICES” FOR LARGE MARINE CONSTRUCTION AND REHABILITATION PROJECTS.

UCC is also proud to offer diving support to marine construction companies and engineering firms as a compliment to any team.

- Trash Rack Repair & Replacement
- Barrier Net Installation
- Concrete Installation & Placement
- Pipe & Tunnel Installation
- Pile Wrap, Jacketing, Repair & Removal
- Erosion Control Installation
- Fender Repair & Installation
- Underwater Structure Assembly
- Gate & Pump Services



SAFETY

OVER THE PAST FOUR DECADES, WE’VE BEEN TASKED WITH SOLVING COMPLEX TECHNICAL ISSUES.

We routinely work with our customers to develop safe and innovative solutions tailored to their unique specifications. As a member of the project team, we assist organizations with developing comprehensive project specs, material selection, procedure development, and scheduling.

- UCC Safety Committee - Weekly Meetings
- USCG Vessel Captain Committee
- Numerous Industry Safety Awards
- OSHA Training - Certified Divers
- Annual Training Enrichment
- Extensive In-house Training Programs
- Procedural Development & Qualification



CAPABILITIES

UCC IS CAPABLE OF PROVIDING SERVICES TO CUSTOMERS WITH MARINE ASSETS LOCATED ON RESERVOIRS, LAKES, RIVERS, HARBORS, AND INTERCOASTAL AREAS.

UCC also has the capability to mobilize quickly, thereby offering rapid response for emergent work and enabling UCC to support large scale multi-year service contracts.

24 HOUR EMERGENCY RESPONSE SERVICE

- Mixed Gas Diving & Deep Diving Team Specialist
- Custom, Owned & Operated Equipment
- Turnkey Services
- In-house QA/QC Programs
- ASME & AWS Certified Welding Program
- Full Hyperbaric Service
- Mockup & Testing
- Bridge Inspection



PERSONNEL

UCC PERSONNEL ARE DEDICATED TO ASSISTING OUR CUSTOMERS IN MEETING THEIR LONG-TERM PERFORMANCE GOALS.

Our expert team of professionals incorporate the necessary skillsets required to meet every project's requirements and meet or exceed expectations of production, quality and safety.

- 200+ Member Dive Team
- DOT Qualified Liquid Pipeline Personnel
- USCG Licensed Captains
- Engineering Support Services
- Expert Project Managers
- Technical Support Services
- Certified Welding & Coating Specialists
- Complete Estimating Services



PRESERVATION OF AQUATIC LIFE

Installation of a fish barrier net for a large hydroelectric facility in the midwest to restrict the aquatic life from entering the generating turbines of the facility.

UCC has installed and maintained the deepest and longest barrier nets in the country.

IMPINGEMENT & ENTRAINMENT SERVICES IN COMPLIANCE WITH 316B

Aquatic Barrier Nets
Traveling Water & Wedgewire Screens
Electronic Deterrent Systems
Intake Structure Modification & Repair

POWER GENERATION FACILITIES

Primary Contractor - Turnkey Service Provided

EQUIPMENT

- Owned & Operated Jackup Barge
- Onboard Nitrox Mixed Gas System
- Crane Barges & Decompression Chamber
- Remote Hydraulic Release System
- HYPAC Hydrographic Positioning Software

SKILLSET

- Subsurface Structure Installation
- Experienced Barrier Net Divers
- Mixed Gas/Deep Dive Team
- Deep Dive Oversight

ON-TIME, WITHIN BUDGET, WITH ZERO SAFETY INCIDENTS

CASE STUDY



ON-TIME, WITHIN BUDGET, WITH ZERO SAFETY INCIDENTS

CASE STUDY

POWER PLANT INTAKE UNDERWATER STRUCTURE REPAIR

UCC performed an inspection on the raw water intake structures of a power generation facility. Findings revealed that 75% of the structure cap and support members underneath the cap had collapsed over the winter. While final repair drawings were being developed UCC performed emergent repairs starting with the removal of damaged areas.

Six underwater welders certified to AWS D3.6 and D1.1 were required for the project along with two certified level II underwater welding QC personnel. UCC's welding and QC programs were reviewed, accepted and used by the customer. The intake structure was made fully operational.

MIDWEST

Primary Contractor - Turnkey Service Provided

EQUIPMENT

- Crane Barge
- 55' Offshore Dive Vessel
- Certified UW Welding Equipment

SKILLSET

- Team of Certified AWS D3.6 & D1.1 Underwater Welders
- Certified Level II Underwater Welding QC Personnel
- USCG Licensed Vessel Captains



ON-TIME, WITHIN BUDGET, WITH ZERO SAFETY INCIDENTS

CASE STUDY

PIPELINE SCOUR REMEDIATION

UCC divers were utilized to place bagged sand/cement under and around an exposed 24 inch concrete coated steel pipeline then covering the area with 12 inch crushed rock to within less than 2 feet of the original sea bed elevation. UCC provided large marine equipment including a barge with a 400 ton ringer crane and deck space for materials, an ocean going tug, live-aboard vessels, and hopper barges for rock.

All work was performed "around the clock" until the required (diver assisted) placement of 860,000 pounds of bagged sand/cement was accomplished. Additional twelve hour shifts were continued for the crane placement of 3,000 tons of crushed rock.

LONG ISLAND SOUND

Primary Contractor - Turnkey Service Provided

EQUIPMENT

- Surface Decompression (Sur D O₂)
- Crane Barge
- Dual Decompression Chambers

SKILLSET

- DOT Pipeline Certified Divers
- Deep Dive Team
- Deep Dive Oversight



DAM SPILLWAY GATE SILL PLATE REPLACEMENT

An underwater inspection was performed determining that a sill plate was deteriorated beyond repair and then confirmed by engineering review. Using hydraulic underwater cutting equipment the old sill plate and concrete was carefully removed.

Concrete forms were fabricated and installed underwater allowing UCC to place new concrete. Installation consisted of rigging the new stainless steel sill plate into position within tolerances of 1/4" or less using a floating work platform. The sill plate was anchored to the structure and welded to the vertical seals after correct positioning was confirmed. Upon completion the gate was cycled several times, confirming a good seal with no measurable leakage.

SOUTHEAST

Primary Contractor - Turnkey Service Provided

EQUIPMENT

- Concrete Demolition Equipment
- Certified Underwater Welding Equipment
- Crane Barges & Decompression Chamber
- Concrete Placement Equipment

SKILLSET

- Team of Certified AWS D3.6 & D1.1 Underwater Welders
- Concrete Form Building & Placement
- Certified Fabrication & Rigging

ON-TIME, WITHIN BUDGET, WITH ZERO SAFETY INCIDENTS

CASE STUDY



DAM SPILLWAY APRON REPAIR

Underwater inspections determined that 19 of 24 spillway block sections were subjected to years of erosion. UCC provided skilled divers and specialized underwater tooling to remove the damaged concrete. The substandard rebar was removed using an exothermic cutting torch and new rebar matting was installed as required by engineering specification.

The damaged area was prepped and more than 1,000 yards of engineered concrete was placed by divers using several methods, including a remote operated concrete pump. UCC was able to improve safety, extend dive time and increase production by utilizing company owned NITROX equipment.

SOUTHEAST

Primary Contractor - Turnkey Service Provided

EQUIPMENT

- On-site Nitrox Mixed Gas System
- Certified Underwater Welding Equipment
- Crane Barges & Decompression Chamber
- Concrete Placement Equipment
- Concrete & Steel Demolition Equipment

SKILLSET

- Team of Certified AWS D3.6 & D1.1 Underwater Welders
- Deep Dive Team
- Deep Dive Oversight

ON-TIME, WITHIN BUDGET, WITH ZERO SAFETY INCIDENTS

CASE STUDY



CONNECTICUT ◦ MICHIGAN ◦ TENNESSEE

SAFETY ◦ QUALITY ◦ PERFORMANCE

With a 200+ member dive team, UCC continues to deliver unmatched in-water experience and an exceptional safety record year after year. This experience and commitment to safety has earned us prestigious service awards from some of the world's largest power generation facilities. These awards are a testament to the long standing tradition of success and reliability we have provided to the global underwater service industry for the past 40 years.

UCC is proud to meet or exceed OSHA and ADICI Standards Requirements.



CALL (800)USA-DIVE OR VISIT UCCDIVE.COM