

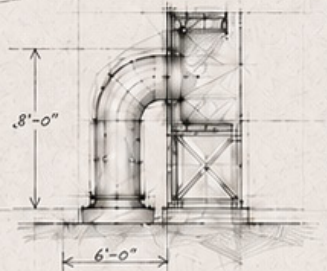
OBR COMPANIES SERVICES & SOLUTIONS MENU

Inspection, maintenance, repair, rebuild, and performance upgrade options designed around your facility's priorities and budget.

• ACCESS PLATFORM
& STAIRS. TYP.

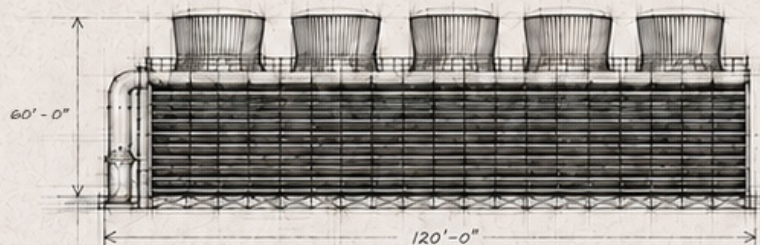
• INLET HEADER
PIPING. TYP.

60'-0"



120'-0"

- FRP OR WOOD STRUCTURE
- PVC SPLASH FILL
- MECHANICAL DRAFT COOLING TOWERS.



GETTING STARTED

OBR helps you understand your tower's condition and prioritize the right next steps.

Our **Quote Diligence™ process** evaluates the true scope of work upfront, including access, safety, site conditions, materials, logistics, and project risks, helping reduce surprises and support informed planning.

Whether the need is maintenance, repair, or a phased rebuild, we help you make confident decisions.

WHAT ARE YOU TRYING TO ACCOMPLISH?

What outcome matters most today?

Every facility has different priorities. Whether you're focused on reliability today or planning major capital improvements for tomorrow, OBR can help you build a practical roadmap that fits your operating needs and budget.

YOUR FACILITIES PRIORITY	TYPICAL SITUATION	RECOMMENDED SERVICES
Reduce Downtime	Unexpected failures, production concerns, or reliability issues	Inspection & Assessment, Preventative Maintenance, Cleaning & Decontamination, Vibration Analysis
Extend Asset Life	Unexpected failures, production concerns, or reliability issues	Structural Repairs, Mechanical Repairs, Casing Repairs, Water Distribution Repairs
Improve Thermal Performance	Reduced cooling capacity, higher operating temperatures, or efficiency concerns	Fill Replacement, Distribution Upgrades, Mechanical Upgrades, Thermal Performance Improvements
Lower Total Cost of Ownership	Frequent repairs or rising maintenance costs	Planned Repairs, Material Upgrades, Preventative Maintenance Programs
Budget for Capital Work	Planning future outages, rebuilds, or long-term investments	Repair Planning, Rebuilds, Material Conversions, Capital Planning

HOW MOST CUSTOMERS MOVE THROUGH THE PROCESS

INSPECTION → MAINTENANCE → REPAIR → REBUILD → CAPITAL PLANNING

Every cooling tower is different. Some facilities enter the process with routine maintenance. Others begin with a repair or rebuild. OBR helps determine the right next step based on your tower's condition and business priorities.

ASSESSMENT, INSPECTION, CLEANING & PM SERVICES

OBR provides assessment, inspection, cleaning, and preventative maintenance services designed to help facility teams understand tower condition, reduce downtime risk, and make informed repair and capital planning decisions.



COOLING TOWER ASSESSMENT & INSPECTION

A comprehensive evaluation of tower condition, including structural, mechanical, thermal, hydraulic, water management, and safety-related components. OBR documents findings, provides photos where practical, and delivers recommendations for maintenance, cleaning, repair, rebuild, or capital planning.



COOLING TOWER CLEANING & DECONTAMINATION

Removes biological growth, debris, scale, and contaminants that can impact performance and reliability. Services include cleaning, decontamination, pressure washing, and online cleaning options for facilities with limited shutdown windows.



PREVENTATIVE MAINTENANCE PROGRAMS

Scheduled maintenance designed to improve reliability and reduce unplanned downtime. Services can include lubrication, oil changes, belt and driveshaft inspections, fan measurements, alignment checks, mechanical evaluations, documentation, and repair recommendations.



VIBRATION ANALYSIS

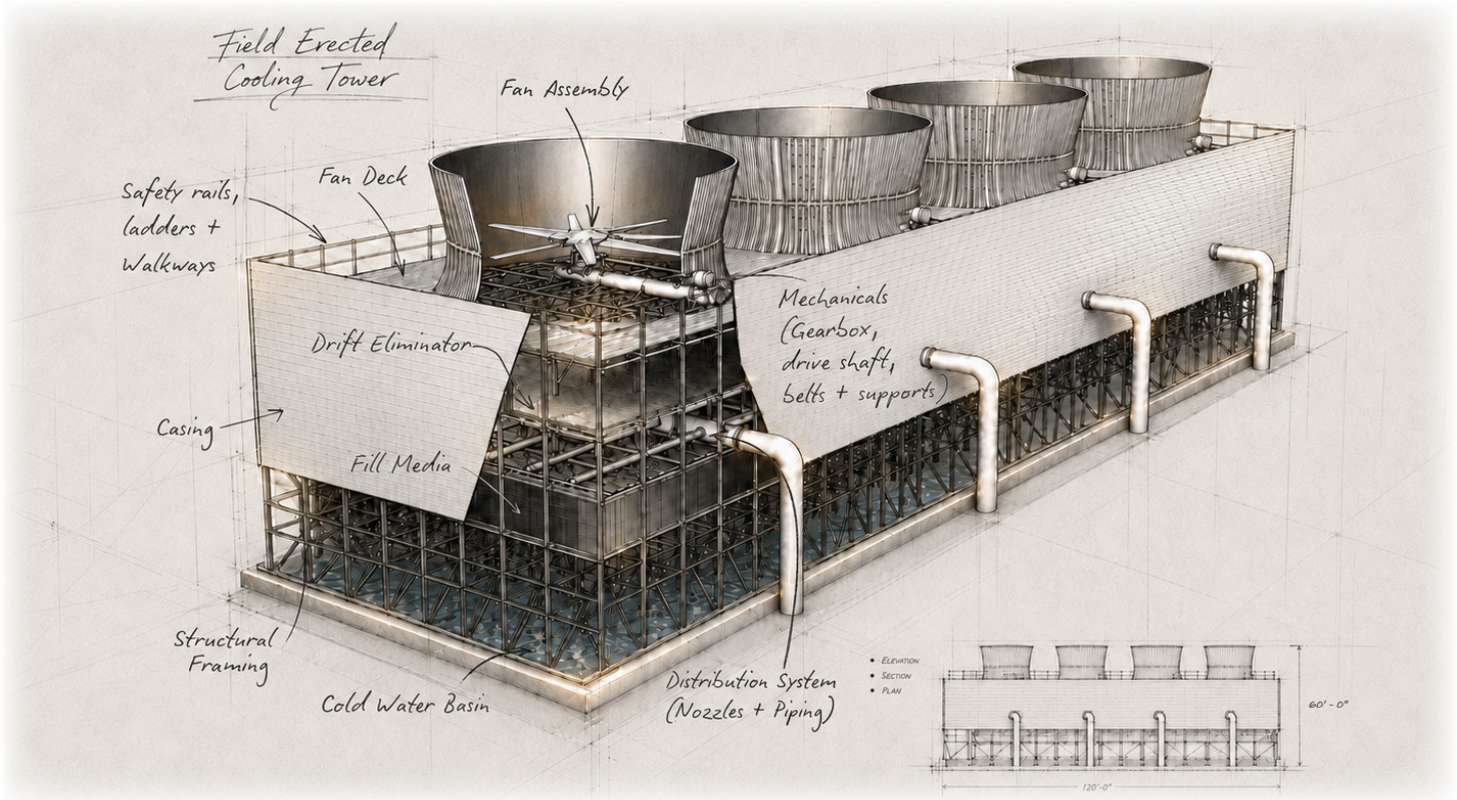
Advanced vibration testing and reporting that helps identify developing mechanical issues such as imbalance, misalignment, bearing wear, and gearbox problems before they lead to equipment failure.



REPAIR & UPGRADE PLANNING

Engineering-based recommendations and budget planning support for repairs, rebuilds, mechanical upgrades, and long-term asset management based on inspection findings and system condition.

FIELD ERECTED COOLING TECHNOLOGY OFFERINGS



STRUCTURAL REPAIR & REPLACEMENT

Evaluation and repair of wood, FRP, steel, and concrete structures. Work can range from individual member replacement to larger rebuilds and material conversions, including wood-to-FRP upgrades.



FILL & THERMAL UPGRADES

Evaluation of fill condition, tower design, water quality, and performance requirements. Solutions may include fill replacement, water distribution improvements, airflow optimization, and mechanical upgrades to improve cooling capacity, heat transfer, and energy efficiency.



CASING REPAIR & REPLACEMENT

Replacement and repair of damaged or missing perimeter walls, end walls, short walls, corners, stiffeners, and fan deck perimeter seals to improve air and water management.



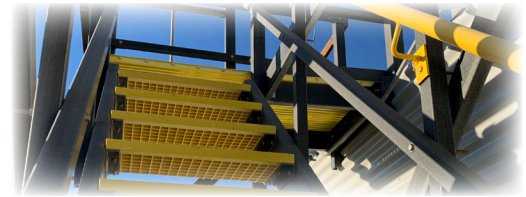
FAN DECK & STACK REPAIR AND REPLACEMENT

Repair or replacement of fan decks, fan stacks, joists, supports, access hatches, ladders, handrails, coupling guards, viewports, hurricane hardware, and related components. Services include wood-to-FRP upgrades, hurricane modifications, and complete fan deck or fan stack replacements as needed.



MECHANICAL REPAIRS & REPLACEMENTS

Replacement and upgrade of fans, gearboxes, motors, driveshafts, vibration switches, monitoring systems, mechanical supports, oil lines, brakes, and backstops.



TOWER ACCESS & SAFETY SYSTEMS

Repair and upgrade of blade and cellular louver systems, including louver blades, supports, columns, wood-to-FRP upgrades, and blade-to-cellular conversions.



LOUVER REPAIR & REPLACEMENT

Repair and upgrade of blade and cellular louver systems, including louver blades, supports, columns, wood-to-FRP upgrades, and blade-to-cellular conversions.



WATER DISTRIBUTION REPAIRS & UPGRADES

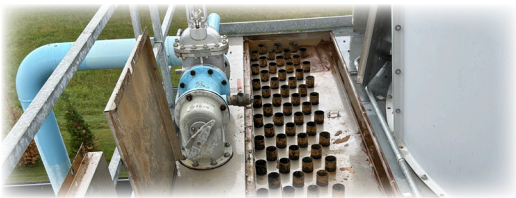
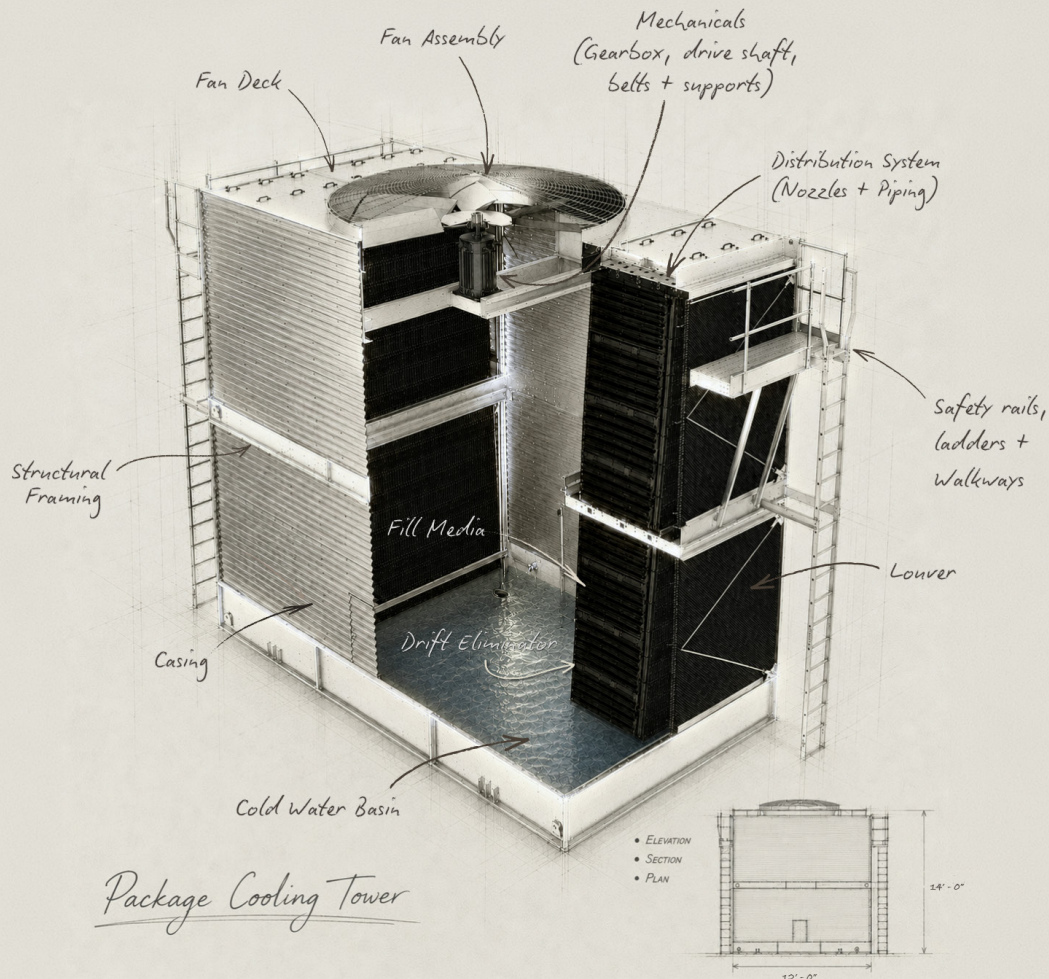
Counterflow Towers Only Repair and upgrade of nozzles, risers, laterals, headers, standpipes, distribution piping, valves, pipe seals, and related components to restore proper water flow.



HOT WATER BASIN & DISTRIBUTION REPAIRS

Crossflow Towers Only. Repair, resealing, modification, or replacement of hot water basins and distribution components, including nozzles, flow control valves, distribution boxes, curbs, and water management systems.

FACTORY ASSEMBLED COOLING TECHNOLOGY OFFERINGS



HOT WATER BASIN & DISTRIBUTION REPAIRS

Repair, resealing, modification, or replacement of hot water basins, nozzles, valves, piping, headers, risers, standpipes, distribution components, and related water management systems to restore proper water flow.



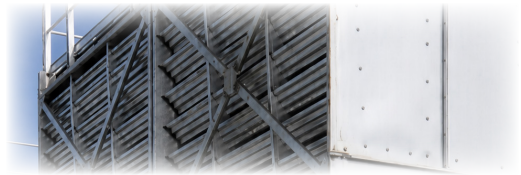
FILL REPLACEMENT & THERMAL UPGRADES

Evaluation of fill condition, tower design, water quality, and thermal performance. Services may include fill replacement, fill upgrades, support modifications, water distribution improvements, and other performance enhancements to improve capacity, efficiency, and reliability.



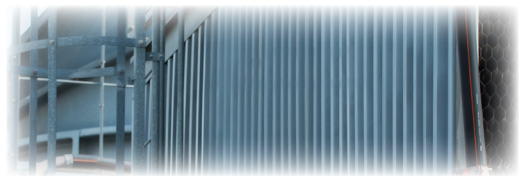
STRUCTURAL REPAIR & CORROSION REPAIR

Evaluation and repair of FRP and steel package tower structures. Work can include member replacement, basin refurbishment, corrosion treatment, galvanized-to-stainless upgrades, FRP upgrades, and full structural rebuilds.



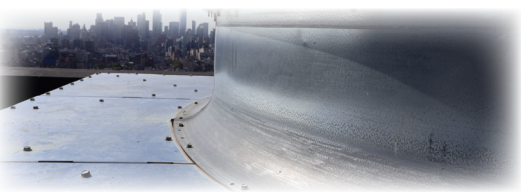
LOUVER REPAIR & REPLACEMENT

Repair and upgrade of blade louver, cellular louver, and combination louver systems, including blades, supports, panels, frames, and blade-to-cellular conversions.



CASING PANEL REPAIR & REPLACEMENT

Replacement, sealing, repair, and upgrade of FRP, galvanized steel, stainless steel, or other casing panels to improve air flow, water flow, and tower performance.



FAN DECK REPAIR & REPLACEMENT

Repair and replacement of fan decks, joists, joist supports, fan cylinder hold-down systems, handrails, and related components. Stainless steel and FRP deck upgrades may be available.



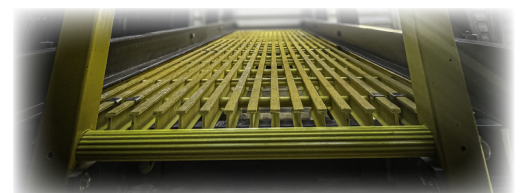
FAN COWL/CYLINDER REPAIR & REPLACEMENT

Repair or replacement of fan cowls, fan guards, screens, cowl segments, hold-down hardware, coupling guards, and complete fan cylinders where needed.



MECHANICAL REPAIRS, REPLACEMENTS & REPOWERING

Replacement and upgrade of fans, gearboxes, motors, driveshafts, belts, bearings, sheaves, vibration switches, monitoring systems, mechanical supports, oil lines, brakes, and backstops.



TOWER ACCESS & SAFETY SYSTEMS

Design, repair, and installation of access systems for mechanical equipment, plenums, hot water basins, and internal tower areas using permanent or removable access solutions.

SPECIALTY CLEANING & EQUIPMENT SERVICES

In addition to cooling tower work, OBR can support related facility equipment and industrial water systems that impact reliability, cleanliness, water quality, and operating performance.



COIL CLEANING

Cleaning for heat exchanger coils to restore cleanliness, improve heat transfer, support reliability, and extend equipment life.



ONLINE PACKAGE TOWER CLEANING

Cleaning for select package cooling towers while the system remains in operation. Service availability depends on tower type, condition, and accessibility.



COMMERCIAL ICE MACHINE CLEANING

Commercial ice machine cleaning and minor service support where needed.



RELATED HEAT-REJECTION EQUIPMENT SUPPORT

OBR also works on a broader range of industrial cooling equipment tied to heat transfer, reliability, and uptime. Service scope may include inspection, cleaning, maintenance, component repair, and replacement planning depending on equipment type, condition, and access.

Equipment serviced includes:

Dry Coolers • Evaporative Condensers • Adiabatic Cooling Systems • Fluid Coolers • Closed-Circuit Coolers • Air-Cooled Heat Exchangers • Condenser Coils • Industrial Heat Exchanger Coils

Let's Build the Right Plan for Your Facility

Whether you need routine maintenance, targeted repairs, or a long-term rebuild strategy, OBR can help you prioritize the work that delivers the greatest value for your facility.

Schedule a consultation today.

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