



Aggregate Technologies

CAPABILITIES STATEMENT



COMPANY OVERVIEW

Aggregate Technologies is a federally registered small business specializing in advanced saw-cutting, robotic demolition, and HydroDemolition services. With a proven track record, we deliver precision and safety across industrial, commercial, transportation, and nuclear sectors. **We collaborate with our clients through consultation, leveraging our depth of experience and successful completion of numerous complex projects.**

CORE CAPABILITIES



PRECISION CUTTING & DEMOLITION:

Precision demolition in controlled environments.



HYDRODEMOLITION:

High-pressure HydroDemolition for selective concrete removal with no damage to reinforcement. Vibration-free, robotic, no micro cracks, dust-suppressed methodologies to maintain environmental integrity.



ADVANCED ROBOTIC OPERATIONS:

Personnel manufacture trained in the use and repair of our advanced robotic systems. (Brokk, Aqua Cutter, Hammelman).



PROJECT MANAGEMENT & COMPLIANCE:

Extensive experience managing industrial, commercial, and transportation projects. Personnel with security clearances for high-sensitivity operations. End-to-end compliance with DOE, DOD, NRC, OSHA, EPA, and additional regulatory authorities.

AGGREGATE TECHNOLOGIES SERVICES

HYDRODEMOLITION

Our hydrodemolition concrete removal process involves the 'most sophisticated robotic system available that utilizes a computer guided water jet on a track mounted system that is guided over horizontal, vertical, cylindrical, or curved surfaces to remove concrete while leaving steel intact.

SELECTIVE DEMOLITION

We specialize in the removal of elevated and non-elevated concrete structures such as thickened slabs, bridges, highways, airport runways & taxiways, and parking lots.

WATER TREATMENT

Our water treatment system is a solution for filtering of hydrodemolition & other contaminated waters. The filtering system enables the operator to discharge treated water back into the environment or recycle up to 70% for reuse.

PILE CUTTING

We can cut concrete, steel, and metal piles to 1/8" tolerance with our patented pile cutting machines, "PCMs," eliminating safety concerns.

ROBOTIC DEMOLITION

Robotic machinery allows us to break and remove concrete in confined spaces where no emissions and operator safety are a concern.

CORE DRILLING

We offer hydraulic, electric, and air drilling to core drill any size & depth hole with speed and efficiency.

WALL SAWING

Electric, hydraulic, or air can be utilized to cut precise dimensional doors, vents, and window openings to fit your project needs.

SLAB SAWING

We offer full depth sawing and indoor sawing. When air quality and no emissions are a priority, electric saws are utilized.

WIRE SAWING

Wire sawing is ideal for making modifications to existing foundations, cutting metal, removing large sections of heavily reinforced concrete, and for cutting concrete in restricted areas.

DUNS: 022712769

CAGE Code: 35VP7

NAICS Codes: 238990



**877-SLABSAW
(752-2729)**



**10700 Tower Oaks
Blvd Houston, TX 77070**

PAST PERFORMANCE & KEY PROJECTS:

HOUSTON SHIP CHANNEL SHIP CHANNEL CONTRACTORS | 2022-2024

PROJECT DESCRIPTION

The project involved four columns, each measuring 60 feet by 40 feet, which had to be disassembled due to a poor rebar spacing design.

PROJECT OBJECTIVES -

The project involved wire sawing four columns, each exceeding 140 ft in height. The process required cutting these columns into manageable sections and then section. This method is particularly effective for large structures, as it minimized vibration and allows for precise cuts in challenging environments. In addition to cutting, foundation repair, and column removal, the project included hydro blasting the bottom 5 feet thick foundation. We used our Water Treatment System and treated the water to a PH 6 and reused 70% of the water.

Robert DeLouches 985-258-1574 (rdelouche@sccjv.com)
Project Value: \$6.3 Million

CHINO MINES | FREEPORT MCMORAN | 2023-2024

PROJECT DESCRIPTION

The project involved HydroDemolition of a SAG mill units by utilizing hydro blasting that removed approximately 300 cubic yards of material during a scheduled shutdown.

PROJECT OBJECTIVES -

HydroDemolition utilizes high-pressure water jets to effectively remove concrete and other materials from the SAG units. This method is particularly beneficial in mining operations, as it minimizes dust and debris while ensuring precise material removal without damaging the surrounding infrastructure.

Fernando Sanchez 575-654-0684
Project Value: \$1.6 Million

DUKES ENERGY DAM | MAINSTREAM DIVING | 2022-2023

PROJECT DESCRIPTION

The project at Duke Energy Dam in South Carolina involved trimming a section of the dam to facilitate the installation of new gates. This modification was essential for improving the dam's functionality and ensuring efficient water management.

PROJECT OBJECTIVES -

In order to achieve our clients needs, HydroDemolition was used to cut along a 30-degree angle along the length of the face of the dam. This precise angle is crucial for the proper alignment and operation of the new gates. The cutting process was executed by HydroDemolition underwater, a technique that utilizes high pressure water jets to remove material without causing significant damage to the surrounding structure. This method is particularly effective in aquatic environments, as it minimizes debris and maintains the integrity of the dam.

Ben Daily 907-252-0484 **Project Value: \$300,000**

MDACC DENTAL CENTER DEMO | AAR | 2020

PROJECT DESCRIPTION

The project at Houston Methodist was a complete demolition of a 3-story structure.

PROJECT OBJECTIVES -

In order to achieve our clients' needs, our team used a Brokk and safely removed the roof and floors of all 3 stories of this structure. Which resulted in a full demolition of the building.

Project Value: \$155,874.02

DIFFERENTIATORS



Unparalleled Industry Expertise:

A track record of excellence in concrete demolition.



Cutting-Edge Technological Capabilities:

Utilization of proprietary state-of-the-art HydroDemolition and saw cutting technologies.



Regulatory Rigor & Safety Leadership:

Commitment to maintaining and exceeding NRC, DOT, and OSHA safety benchmarks.



Proven Execution in High-Risk Environments:

Success completing complex largescale demolition projects.



Highly Credentialed Workforce:

Personnel certified in safety and advanced demolition methodologies.

CERTIFICATIONS & COMPLIANCE



OSHA 10/30
Certified Operators



CSDA 101/201- Trained and
Certified saw cutting and drilling
operators



TWIC Certified
Operators



HASC Certified on Numerous
Task (ex-Confined Space,
Scaffold, Lifts, Driving, Electrical)



MSHA (Mine Safety & Health
Administration)



AquaJet Certified Operators
& Trainers/Brokk Certified
Operators



ISNET, Avetta,
DISA, HASC, High Wire

All employees undergo thorough
pre-employment screening,
including background checks and
drug testing. This is followed by
ongoing, random drug screenings
to ensure consistent standards of
excellence and dependability.



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