Project Profile
Concrete Cylinder Piling Repaired with MADCON SCR Type 1 Encapsulation with Carbon Fiber Reinforcement

- MADCON was contracted by a major oil & gas operator to perform repairs to 54” concrete cylinder pilings supporting a compressor platform in the Gulf of Mexico.

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Splitting and spalling compromises axial load & shear capacity at top of pilings.

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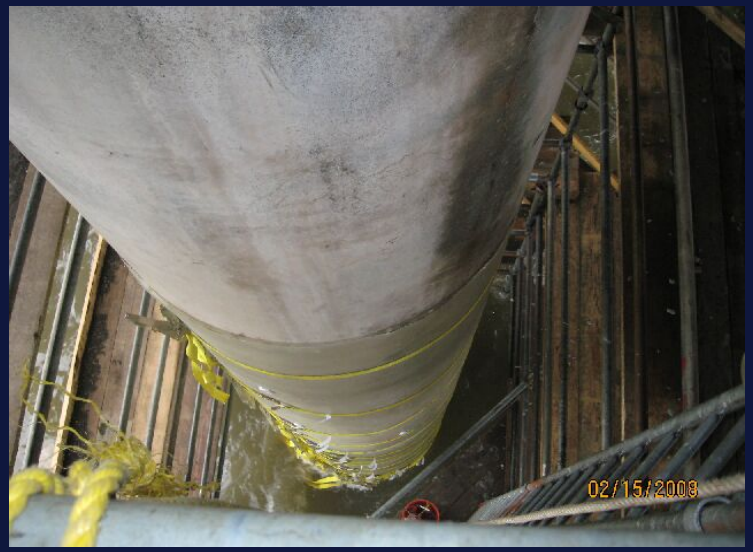
Scaffolding in place & SCR Type 1 encapsulation in progress.



Piling with some of fiberglass in place for encapsulation.

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Encapsulation with Carbon Fiber Reinforcement

Fiberglass jacket with adhesive saturant applied prior to carbon fiber.
Fiberglass jacket is filled with epoxy grout.

Second layer carbon fiber applied over fiberglass.

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Third layer carbon fiber applied over fiberglass.

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MADCON SCR Type 1 Repair (FRP with Epoxy Grout) with Carbon Fiber & Finish Coat of Paint