

**THE "AMERICAN WAY":** TRADE ASSOCIATIONS, SOCIETIES AND INSTITUTES

By S. Scot Litke, Hon. D.GE

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# PILEBUCK

THE INTERNATIONAL DEEP FOUNDATIONS  
AND MARINE CONSTRUCTION MAGAZINE

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## KEY STEPS TO PROFITABLE FOUNDATION DRILLING

WITH MINCON GROUP PLC



Photo courtesy of Doublestar Drilling

**PLUS**

**CUSTOM-BUILT PILING RIG**

Built by MG Construction

**MICHAEL D. MOORE**

An Interview with the CEO of ADSC

**UNDERWATER CONCRETE**

Construction Guide to Reduce Risk and Cost

# PILEJAX

## Marine Pile Repair Systems

**Company:** PileJax

**Industry:** Marine Infrastructure Repairs

**Purpose:** PileJax – Provides the fastest, durable, ready to install pile repair systems.

**Contact:** [pilejax@joinlox.com](mailto:pilejax@joinlox.com)  
[www.joinlox.com/pilejax](http://www.joinlox.com/pilejax)

**P**ileJax marine pile repair systems are the fastest, ready to install systems that are now available throughout North America.

The PileJax systems provide a cost-effective way to repair any concrete, steel or timber pile infrastructure to extend the working life of existing structures.

The patented PileJax system is manufactured from long term durable composites suitable for any harsh marine environments for road and rail bridges, ports, wharves and jetties.

The proven innovative system incorporates the rapid assembly Joinlox technology to enable fast, strong and secure fitment of the composite jackets to any pile size or configuration. Once installed, PileJax can provide long term protection

and durability against corrosion, concrete degradation, timber rot and borers and many other types of marine pile issues.

This unique solution provides simple installation to provide a strong and fully sealed axial joint the full height of the composite PileJax jacket to ensure rapid and safe installation and long term strength. Therefore eliminating all fasteners or messy, risky and environmentally hazardous application of pastes, gels and epoxy bandage type materials that can be prone to installation issues. PileJax jackets are lightweight enough to be

installed by hand providing easy access to hard to reach confines and difficult site conditions.

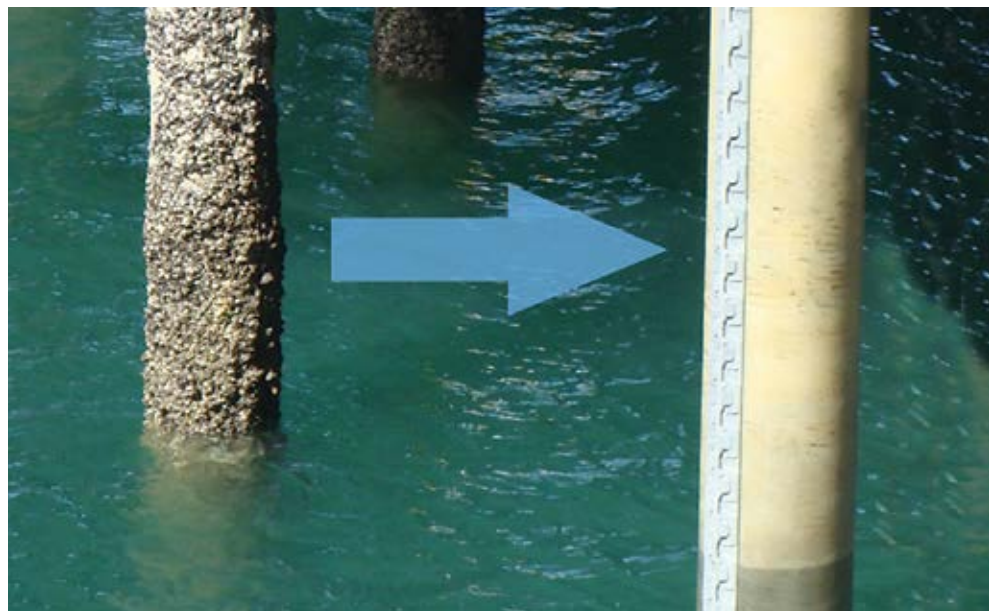
PileJax jackets are delivered to site absolutely ready to install and are compatible with all grouting and other protection materials. The fully composite system provides superior strength and long term durability above and below the waterline and can also be used with cathodic protection and anodes.

Installation of PileJax jacket per pile fully is completed in minutes, saving hours or even days of dive, labor and site equipment costs. The simple 3-step

Clean, Fit and Pump process delivers significant cost savings to the asset owner. This means more piles can be fully repaired within allocated budgets.

With the recent passing of the Fixing America's Surface Transportation (FAST) Act in December 2015, there is now certainty of funding to proceed with required repairs to vital routes and infrastructure. PileJax is the perfect solution to help fix America's ageing road and rail crossing infrastructure problems cost-effectively.

PileJax systems have substantial advantages over other methods including:











## CUSTOM POWDER COATINGS

**Lane Coatings** has been coating rebar with fusion bonded epoxy since 1979. Our innovative process provides superior bonding to powder coating that ensures a protective and aesthetically appealing finish for your surfaces designed to last for years to come.

- Fusion Bonded Epoxy (FBE) and Abrasion Resistant Overcoat (ARO) powders applied
- Applicators of all powder coatings
- Grit blasting capabilities to all SSPC standards
- Zinc rich primers available

Todd Strohm – VP/Plant Manager Gary Hinkelman – Powder Manager Gene Anderson – Sales Manager

1244 Claremont Road Carlisle, PA 717-249-8342  
www.lane-enterprises.com | www.lanecoatings.com

- Rapid installation, which reduces labor time providing substantial cost savings.
  - Lightweight and safe to install, no cranes or rigging required.
  - 2x times faster than any other pile repair method.
  - Engineered design and rigorously tested to provide a proven system for all repairs and encapsulation.
  - Strong and Durable FRP construction.
  - A cost-effective, long term barrier protection against water, oxygen, borers and other issues.
  - Manufactured from high quality filament wound fiber composite materials.
  - Can be used as a durable shield for lightly corroded and new piling systems.
  - Small annulus for insertion of epoxy or grouts to provide a long-lasting corrosion protection in any hostile environment.
- Light weight materials making handling in difficult conditions easier and safer.
  - Full composite construction – no metallic components.
  - No requirements for cathodic protection.
- PileJax systems are fully developed by Joinlox, an internationally recognized provider of game changing engineered solutions for the marine and construction industry. Joinlox delivers solutions that provide key benefits over conventional methods to improve outcomes and cuts costs in critical areas including assembly and installation times, manufacturing and materials, as less parts are required and they are quicker and safer to assemble, with simpler intuitive designs that are proven around the world. ■