

A large industrial steel wash rack system, the Hydropad System, is shown. It features a large rectangular basin with a ribbed floor and high green-painted steel walls. Two black overhead arms with spray nozzles are positioned above the basin. To the left, a blue control cabinet with a digital display and a smaller blue unit are visible. The entire system is set on a light gray floor.

HYDRO ENGINEERING INC.

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HYDROPAD SYSTEMS

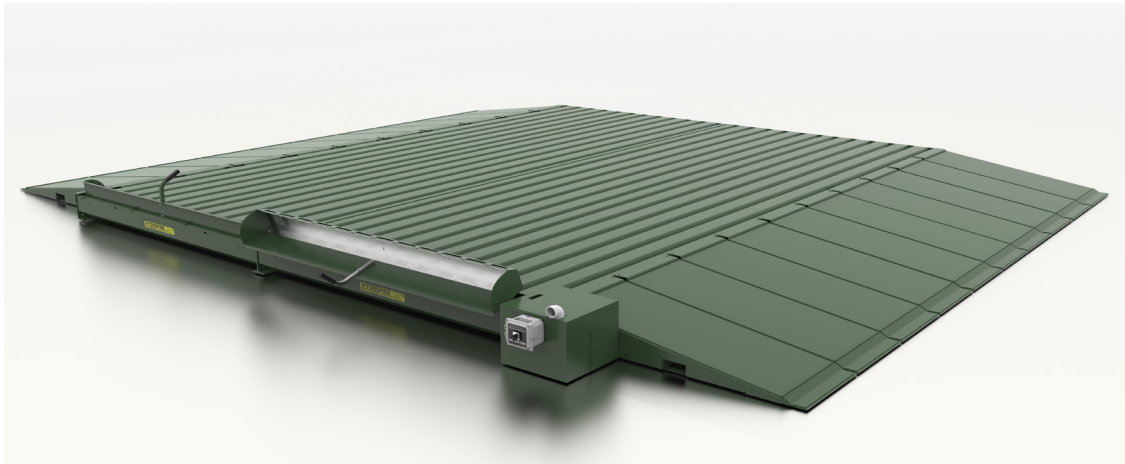
ABOVE GROUND, MODULAR, STEEL WASH RACKS



HYDROPAD SYSTEM

Above Ground Modular Steel Wash Racks

- Assembly ready solutions instead of construction project complexity
- Fast and simplified setup
- Installation flexibility; temporary or permanent and always relocatable as desired
- Meet SWPPP requirements and promote environmental responsiveness
- Extreme weight load capacity for heavy duty requirements
- Quality manufacturing conforming to ISO 9001:2015 certification



Application Design Assistance

Hydro Engineering, Inc. manufactures the Hydropad on grade wash rack system and provides experienced application design assistance and planning support. Patented Hydropad technology is a proven innovative solution for wash/rinse decontamination operations. This technology will benefit any equipment decontamination application requiring wash water capture, containment, and/or transfer to wash water filtration and recycling systems.

Hydropads feature steel construction with powder coated epoxy primer and textured urethane finish to ensure strength, corrosion resistance, durability and provide secure footing on wash surfaces. Modular Hydropad design supports a wide variety of array configurations.

Options like walls, drive on ramps, patented side gutter with screen filters or drag conveyors and wash control stations are combined to address application requirements, support environmental compliance and simplify both operation and maintenance.

Hydro Engineering, Inc. design engineers work with customers to configure wash rack solutions that produce optimal results. Combine the Hydropad wash pad array with HydroKleen wash water filtration and Hydroblaster high performance washing equipment to deliver a single source, durable, easy to use and maintain solution for your equipment washing and decontamination requirements.

ACCREDITATION FACTS ABOUT HYDRO ENGINEERING INC.

FORMATION	1980
BUSINESS	REGISTERED SMALL
CERTIFICATION	ISO 9001:2015
PROJECTS	THOUSANDS
ORGANIZATION	6 DEPARTMENTS



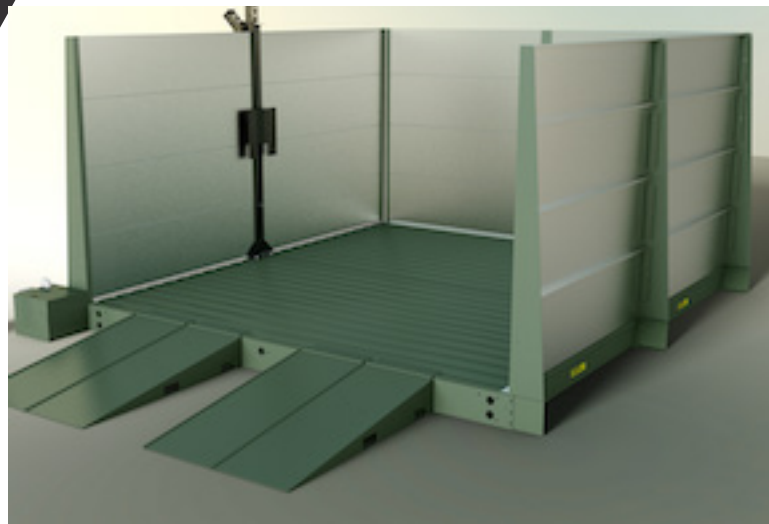
- DESIGN
- MANUFACTURE
- LOGISTICS
- VERIFICATION OF
INSTALLATION, EQUIPMENT
FIRE OFF AND TRAINING
- SERVICE

HYDRO ENGINEERING INC. EXAMPLE CERTIFICATIONS

- ISO 9001:2015
Quality Management System
- UL 1776
Pressure Washer Safety Standards
- UL 979
Water Treatment Appliances
- UL 61010-1
Electrical Equipment Safety

HYDROPAD SOLUTIONS

“Hydropad allows recycle operation for water conservation and prevents wash water from leaving property to support environmental compliance”

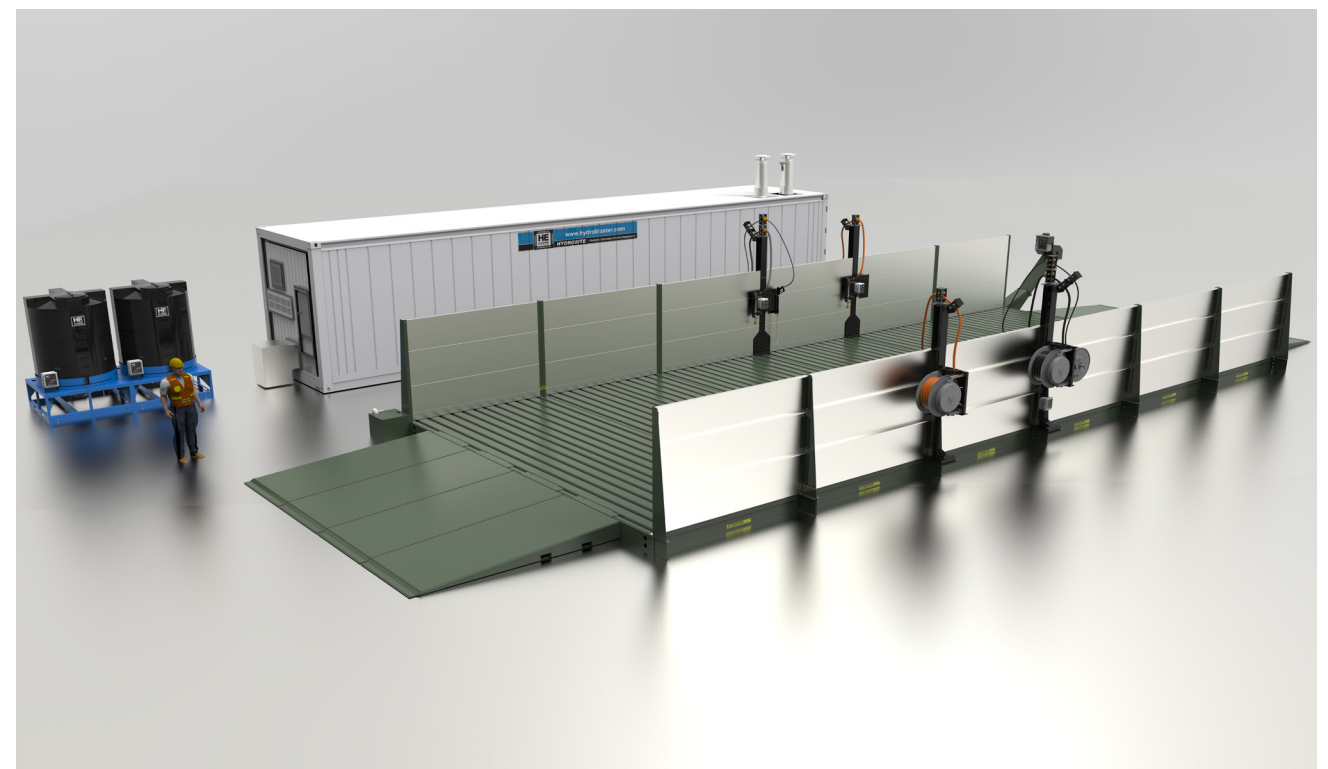
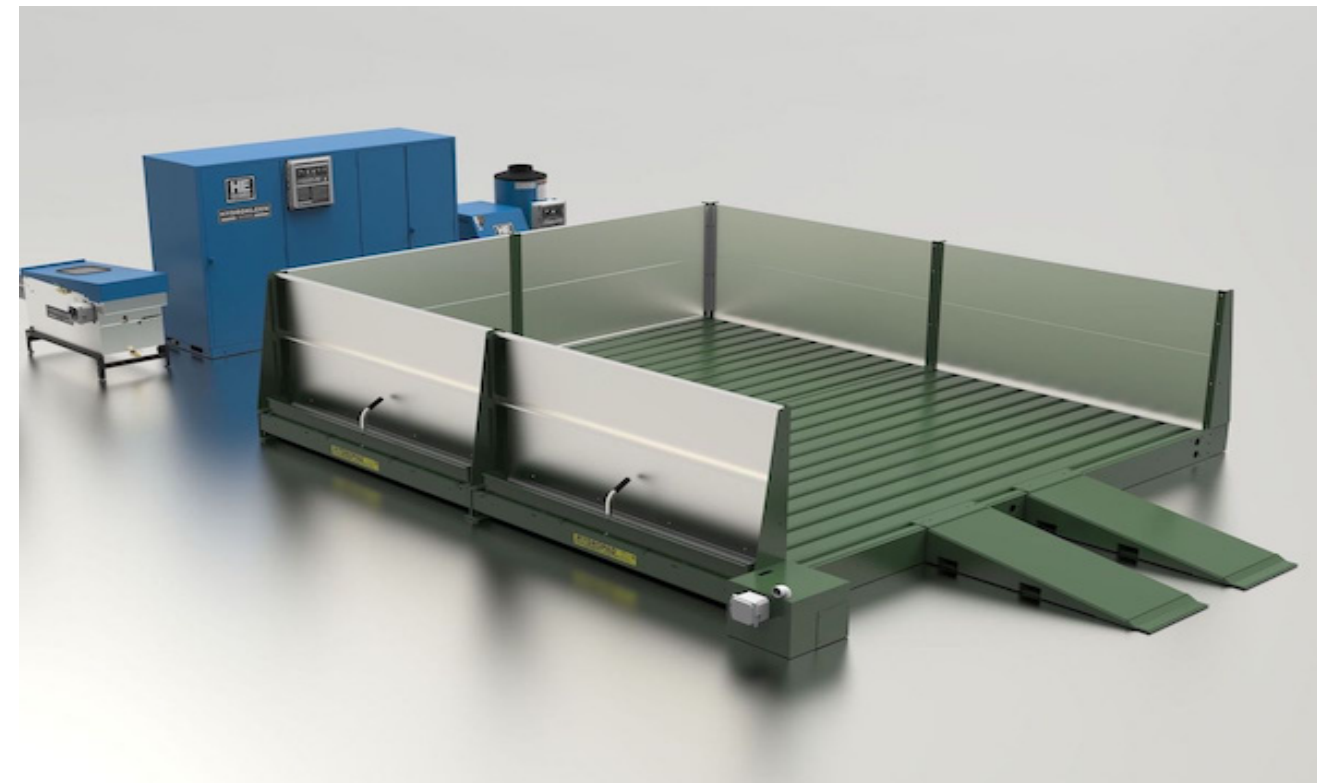


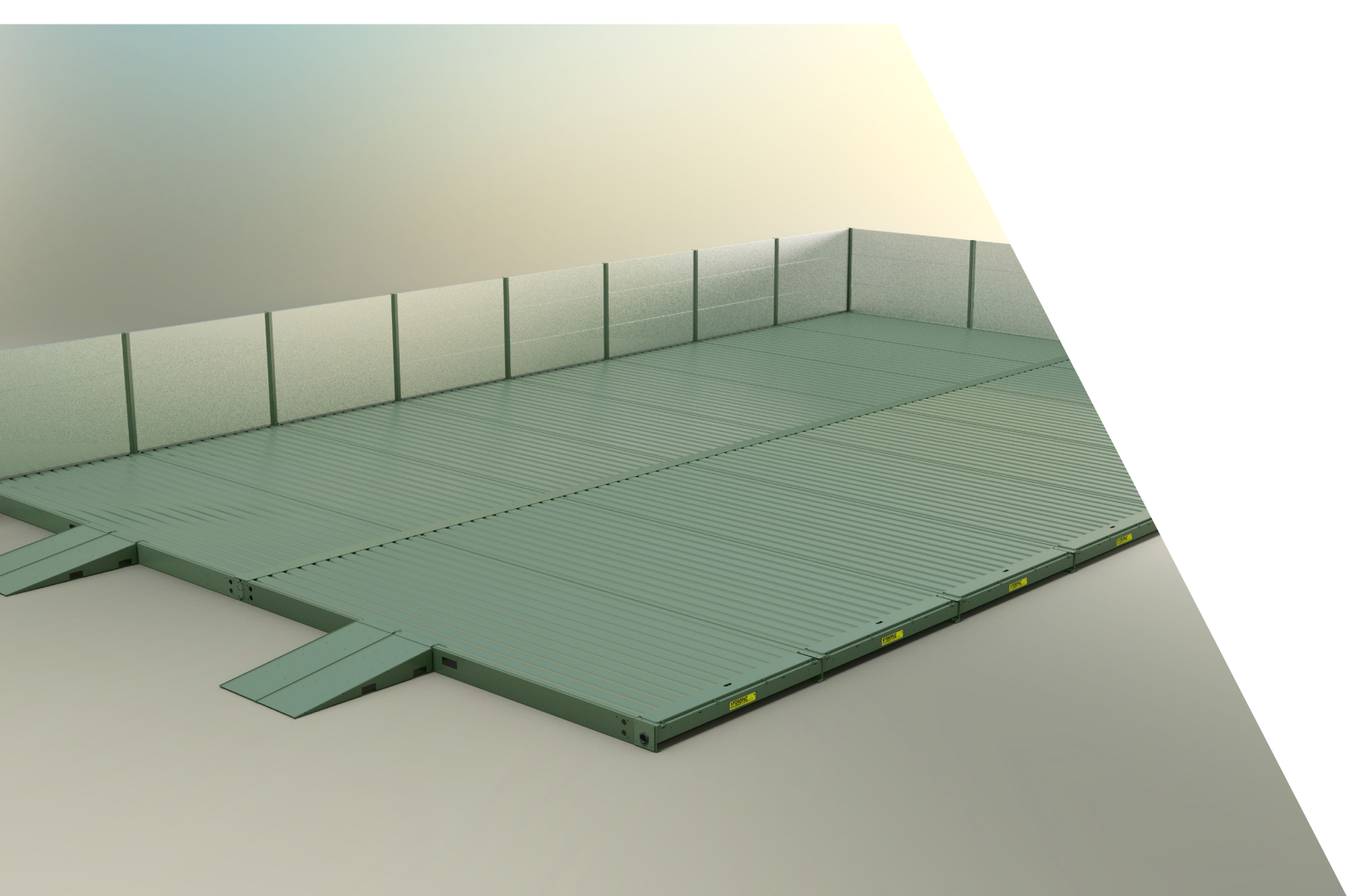
Patented Hydropad Systems – Solves Solids/Liquid Capture, Containment, Safety and More . . .

- Modular Equipment Solution, Minimize Construction Requirements
- Temporary or Permanent, Always Relocatable
- Simple and Rapid Above Ground Assembly and Installation
- All Steel, Extreme Load Capacity, Durable and Sustainable
- ISO Compliant Multi-Step Metal Preparation and Coating
- Hydropad Channel, Expedites Liquid and Solids Gravity Evacuation
- Hydropad Surface Is Impervious and Non-Slip
- Variety of Hydropad Array Configurations and Options Satisfy Wash Rack Requirements
- Side Gutter Collects Wash Water & Debris without Interfering with Wash Operations
- Patented Hydropad System is Best Portable Collection/Containment Technology Available

HYDROPAD SYSTEM WITH TOTAL INTEGRATION

- Hydrofoamer Cleaning Compound Solution Mix, Distribution and Application Systems (UL-1776)
- Hydroblaster Automatic Undercarriage Wheel and Side Wash Systems
- Hydroblaster Pressure Wash/Rinse Systems, Certified UL (UL-1776)
- Hydroblaster High Volume Water Cannon Systems, Certified UL (UL-1776)
- Hydrokleen Wash Water Filtration Systems Certified (UL 979)
- Hydrosite System, All Wash/Rinse/Filtration Packaged as Complete Container Enclosed System (UL-1776)





ENDLESS APPLICATIONS

A properly configured Hydropad based system will meet your wash rack requirements. Partner with Hydro Engineering, Inc. engineering and project management staff to satisfy your design requirements with safe, easy to use and maintain wash, capture, and wash water recycle systems.

GENERAL SPECIFICATIONS

Available Sizes

Standard Hydropad Platform Modules: 8' (2.44 M) long, 10" (254 mm) high
Widths: 8' (2.44 M) up to 20' (6.1 M)
Low Profile Hydropad Platform Modules: 7.5' (2.29 M) long, 8" (203 MM) high
Widths: 8' (2.44 M) up to 20' (6.1 M)

Weight Ratings

Wheeled Consideration 2-ton/axle (907 Kg) up to 75-ton/axle (68 t)
Approximately 14,400-lbs/ft (21,430 Kg/m) on 12 & 30-ton/axle
Approximately 28,800-lbs/ft (42,860 Kg/m) on 75-ton/axle

Containment Walls

Optional from 1 side to full enclosure
Optional heights 4' (1.22 M) up to 14' (4.27 M), wind rating 100+ MPH (161 KM/H)

Drive On/Off Ramps

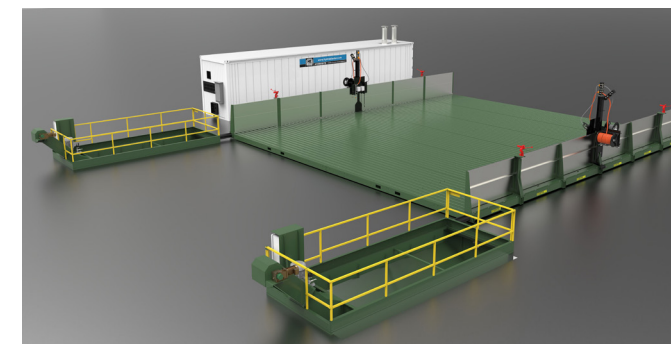
Available in 24" (610 mm) and 48" (1,219 mm) widths and various lengths

Solids Removal

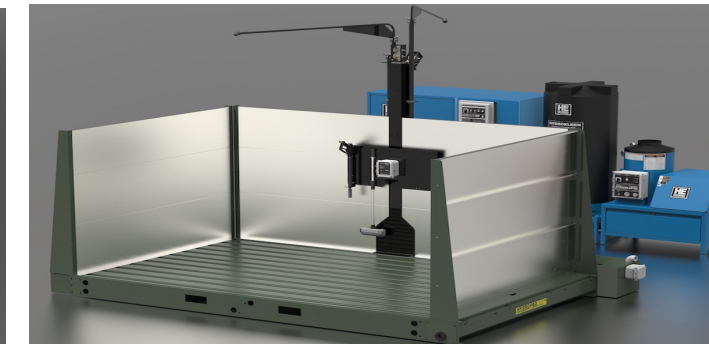
Optional side gutter drag conveyor
Optional skid steer drive in cleanout tray
Optional side gutter flip tray for removal of floating debris

Undercarriage/Wheel Wash

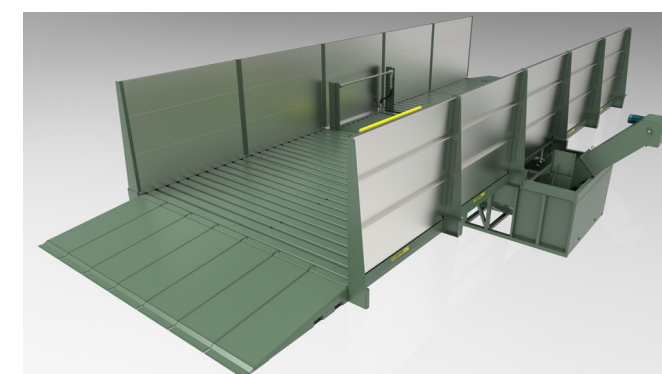
Optional Automatic Undercarriage, Wheel and Side Wash System (AUWS). In-ground system to mate with Hydropad lane platform for vehicle side wheels and undercarriage decontamination



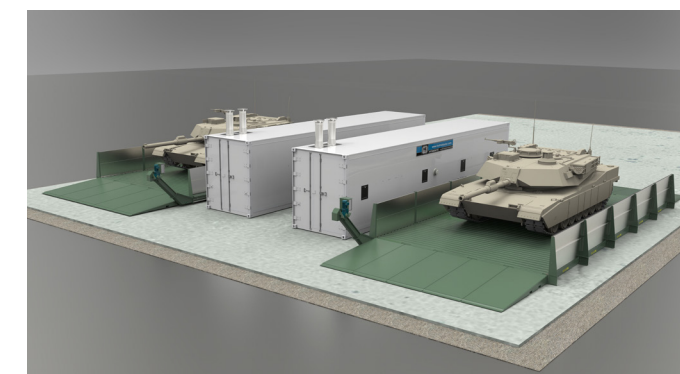
Large Equipment Wash Bay With Dual In-Ground Solid Separation Tanks And Drag Conveyor For Automatic Solids Removal



Indoor Wash Bay..Closed Loop Operation



Drive Thru Undercarriage, Wheel And Side Wash System



Multi Lane Vehicle And Equipment Wash For High Volume Wash And Decontamination Applications

REMOTE EQUIPMENT MODULES

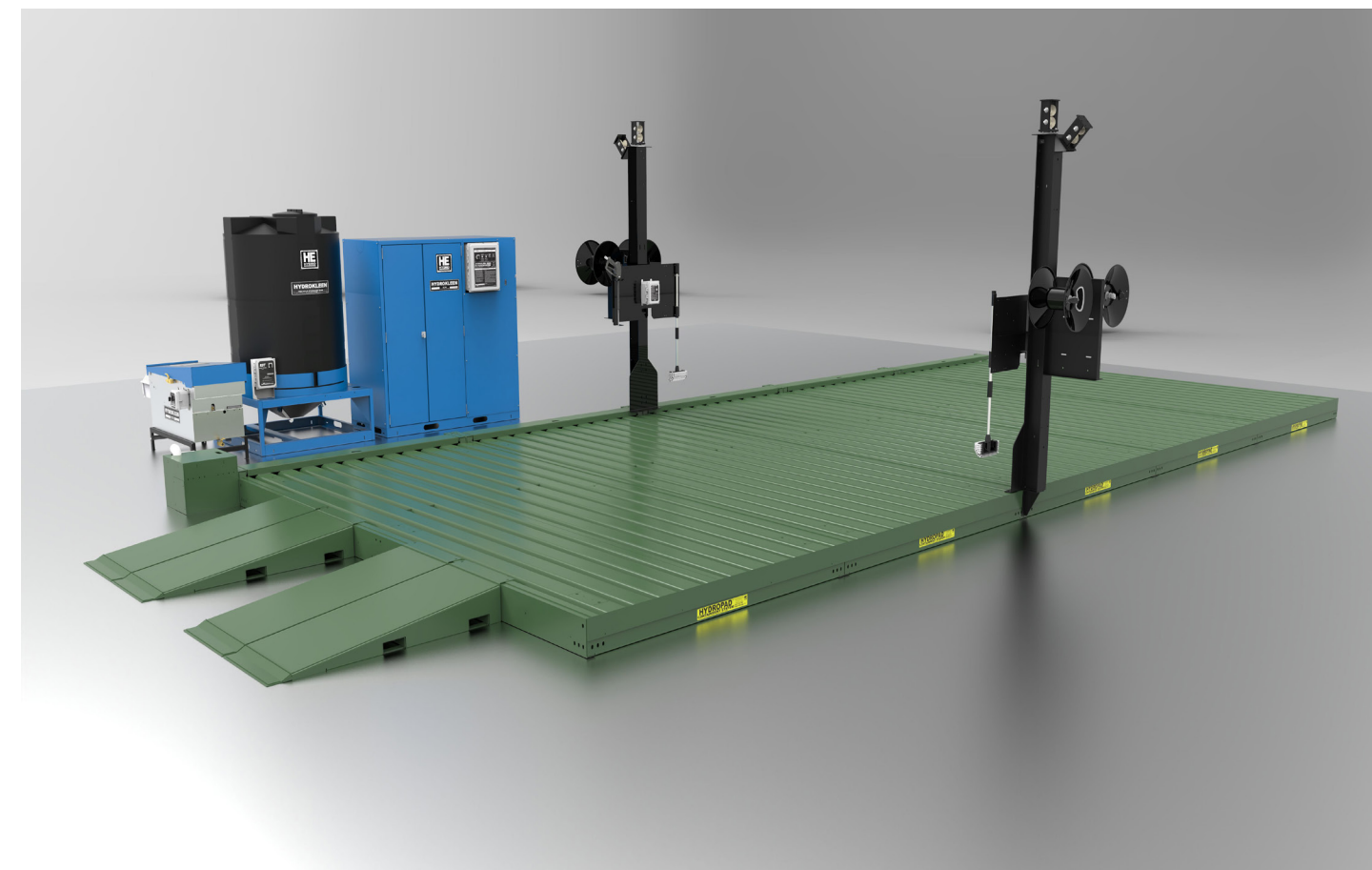
A Remote Equipment Module (REM) provides operators with controls, accessories and tools to optimize convenience, safety and performance.

REM design is available in a variety of configurations to best suit application. REM can be provided with backboard to mount hose reels, control panels and more. Units can be supplied for wall mount or pedestal leg for ground mount. Multiple backboard units can bolt together providing central access to all controls.

REM frame features heavy duty I-Beam construction that has structurally secure attachment to Hydropad platform. Attachments to frame can include; mounting plates, brackets, booms, hose reels, control panels, and perhaps more to compliment application. REM mounting is engineered for superior strength, positioned for efficiency and to minimize platform area intrusion to 6" (152 mm).

An REM can be equipped with:

- Hydroblaster Wash/Rinse Controls
- Hydroblaster Water Cannon Controls
- Hydrofoamer Foaming Soap Controls
- Vacuum controls
- 1 or 2 Manual or Spring Retractable Hose Reels
- Up to Four Overhead Booms (180°)
- Miscellaneous – Wand, Trigger Gun, Brushes, Etc.



HYDROPAD WALLS

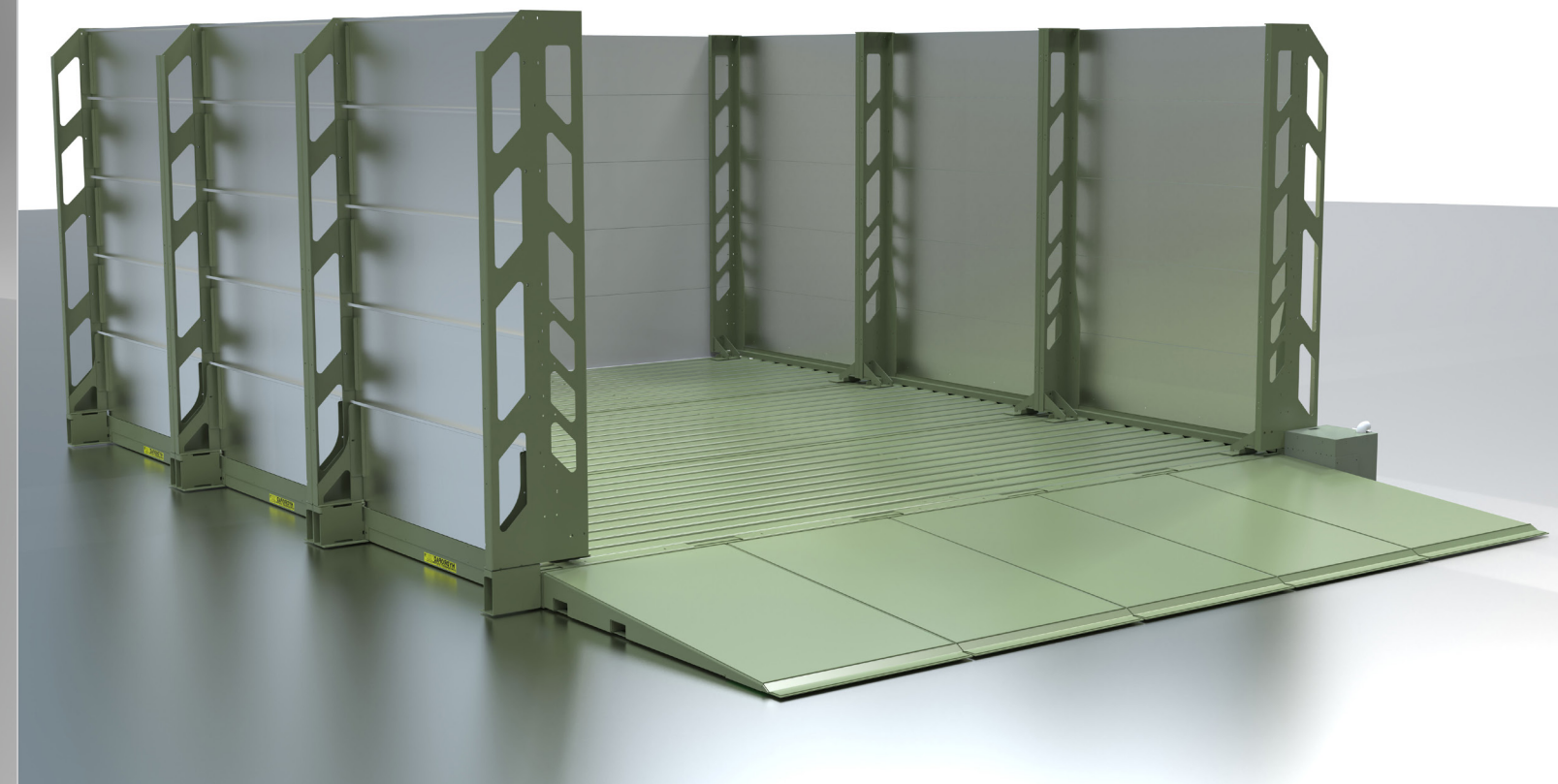


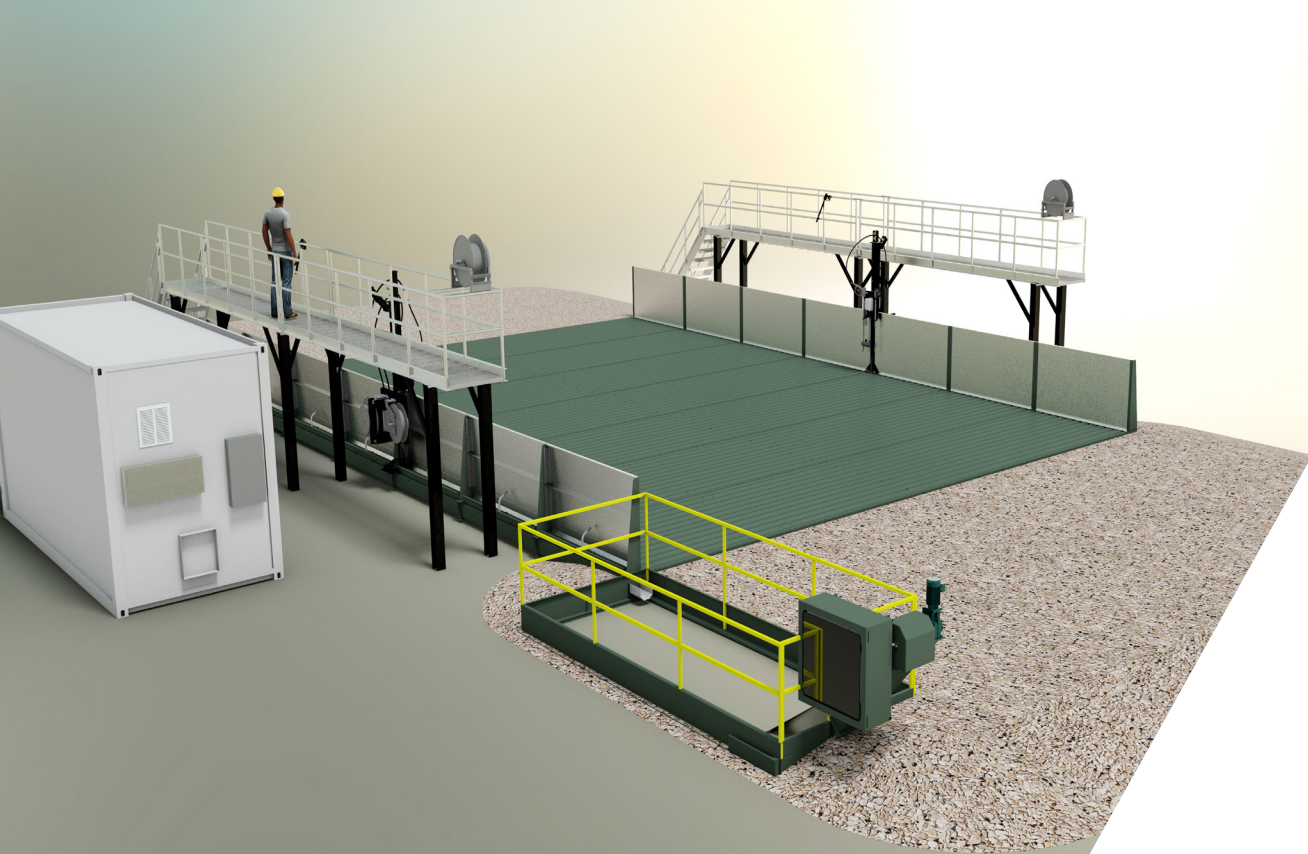
Standard

Hydropad is excellent for collection and containment of wash water and debris during active wash/rinse operation. Walls can be used to contain overspray and improve efficiency of containment to benefit water conservation.

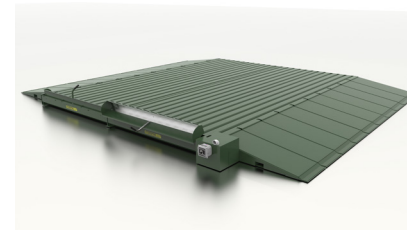
High Wind Rated

Hydropad system (below) 20' (6.1 M) wide by 22.5' (6.9 M) shown with outdoor rated walls, 14' (4.3 M) high, with a wind rating of over 100 MPH (161 KM/H).





SIDE GUTTER ATTACHMENTS SOLIDS/LIQUID SEPARATION BENEFITS



FLIP GUTTERS

Simple "Flip Screen" mechanism designed to capture debris. When screen is loaded, simple rotation of mechanism handle will deposit dewatered debris adjacent to side gutter for cleanup.



DRAG CONVEYORS

Hydropad side gutter drag conveyor is an automatic solids removal system. Conveyor transfers solids to one end of side gutter while wash water is pumped out the other. Conveyor employs up slope transition to dewater solids and discharge to above ground collection device.

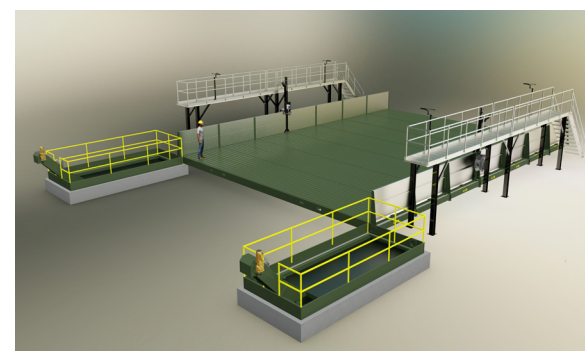


DRIVE-IN CLEAN-OUT

Skid steer drive in clean out tray receives wash water from Hydropad side gutter. Tray allows wash water retention time for solids settling and clean out.

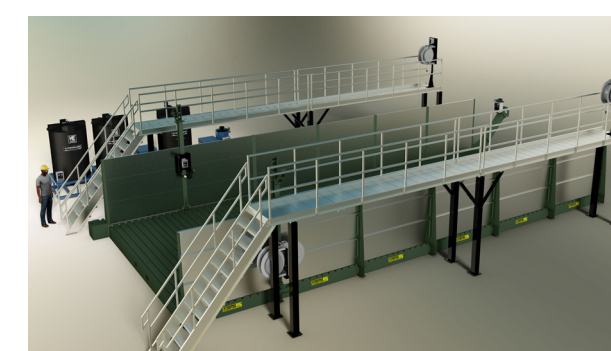
WASHRACK TOOLS TO ENHANCE WASH OPERATIONS

- Remote Equipment Modules - Controls & Wash Tools
- Hydropad walls, Standard or High Wind Rated
- Side Gutters, Attached or Bolt On - Wash Water and Debris Collection
- Liquid / Solids Separation
 - Drag Conveyor - Automatic Solids / Liquid Separation
 - Flip Gutter Screen - Semi-Automatic Solids / Liquid Separation
 - Drive-In Clean-Out Tray - Solids Settling
 - In-Ground Solids Settling Tanks with Drag Conveyor
- Catwalks and Elevated Wash Platforms



**IN-GROUND SOLIDS LIQUID SEPARATION
WITH DRAG CONVEYOR**

In-ground storage vessels have sufficient capacity to provide solids/liquid separation of wash water. Solids settle to bottom of incline tank and are automatically removed by a drag conveyor.



CATWALKS

Elevated catwalks for Hydropad system are available in various lengths. Catwalk options provide remote control stations for wash equipment and wash tools including high volume water cannons for de-muck applications.

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THANK YOU
for your business