

# NOMAD<sup>TM</sup>

OFF GRID MUDMASTER<sup>TM</sup>

**RIVEER<sup>TM</sup>**

Sustainable Washing Systems

The Solution is Clear with Riveer<sup>SM</sup>

# NOMAD™

## Off Grid MudMaster™

- TURNKEY CONTAIN, WASH AND RECYCLE SYSTEM
- STANDBY MODE POWERED BY SOLAR/WIND, OPERATIONAL MODE POWERED BY DIESEL GENERATOR
- IDEAL FOR NON-POWER GRID LOCATION
- RE-USES WATER, NO DIRECT WATER SUPPLY NEEDED

### NO POWER OR FRESH WATER? NO PROBLEM.



Riveer has been building wash rack systems for military use for more than a decade. The largest hurdle to getting a system up and running is often the connection to utilities and the connection to sewer. NOMAD™ is designed specifically to overcome these problems.

Designed for remote locations, the NOMAD is an off-grid, self-contained, heavy-duty wash rack that is powered by solar, wind, and a standby diesel generator. The system also effectively stores previously collected energy for times when environmental conditions are not ideal. 1000 lbs. of deep discharge storage batteries provide energy during low light/wind periods to keep the system constantly circulating and injecting ozone to assure clean water for washing even after months of inattention.

A small system footprint and no restriction on the installation layout makes NOMAD the simplest self-contained wash rack system to install. NOMAD's closed loop rinse functionality brings you MudMaster™ rugged construction, with RTS 5000 24/7 performance in a sustainable wash rack for corrosion control rinses, PM cleaning, and general washing.

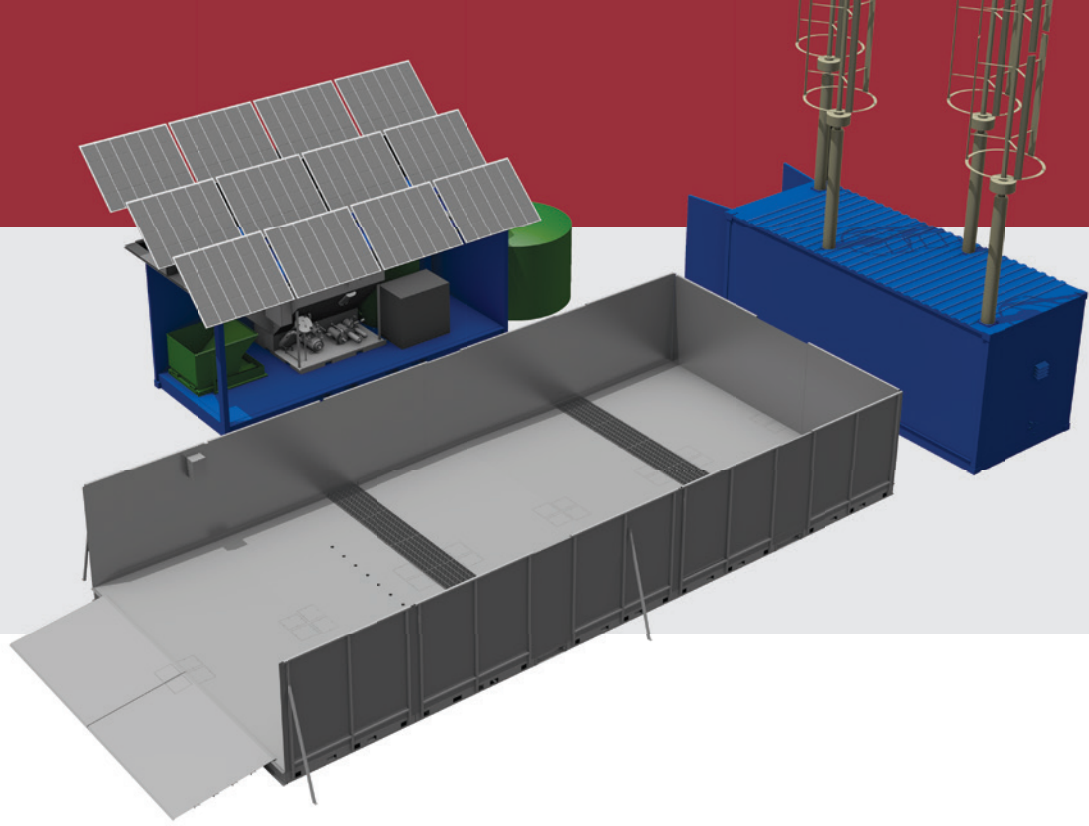


### NOMAD™ REMOTE WASH RACK FACILITY

- 20' x 42' steel wash pad with overspray containment (modular racks allow any size wash pad)
- Solids handling conveyors
- Hot water pressure washer with hose on reel
- Low pressure high flow water cannon for fast dust and mud removal
- RTS with scavenging pump for 100% recovery
- Water filtration, oil separator in stain-less steel tank with down-stream nominal and absolute filtration
- Water storage to hold wash water ready for re-use







## BENEFITS OF THE NOMAD™ SYSTEM:

- **Water Reclamation:** Grey water treatment and re-use reduces costs and make NOMAD a reliable equipment washing facility even in remote operations where water quality is poor and supply is limited and costly.
- **Power Conservation:** Harnessing natural power of sun and wind keeps the system operating indefinitely on standby/idle mode without calling for generator grid power. Generator only runs when called on for high power pumps and shuts down as soon as system returns to standby mode.
- **Off Grid Location:** NOMAD brings sustainable washing in remote mining, drilling, exploration and construction beyond utility service areas.
- **Green Initiative:** Being efficient with resources has become mandatory in virtually all environments: Saving water, electricity, and fuel in one system is a triumph of design efficiency.

NOMAD™ meets all US and CE electric standards:

UL, TUV, IEC, NEC, NFP



# NOMAD™

## Off Grid MudMaster™



### NOMAD™ FEATURES:

- Solar, wind, battery, and generator power
- 100% off grid, no utilities are needed
- Requires only a few hours of sunlight per day
- Auto-tending for periodic use, GripStart™ technology means wash rack is always ready
- Massive battery bank with electronic battery monitoring ensures ready power
- Highly reliable electrical system is based world-class emergency power systems
- 3.6 kW solar array with indexing mounts make power at any latitude
- 5 kW wind turbine system (optional) are brought on line as needed
- Smart battery monitor can start main power generator for large demand loads (like 10 HP wash pumps)
- AGCM batteries are highly tolerant of deep discharge and can be charged at very high rates
- Digital power monitoring with event logger for PM scheduling
- Convenience plugs for 120V device operation
- On board air compressor
- Auto lighting circuit
- Remote operator stations; wireless remote monitoring available
- 49 HP Generator is CARB Tier IV compliant and needs no permit for operation
- Power sharing technology allows all systems, lights, HVAC and pumping to operate without voltage or frequency concerns
- Fully insulated equipment containers with thermostatically controlled dampers and HVAC
- Support up to two wash lanes with 4 operators
- 5 GPM @ 3000 PSI Hot water per operator and 25 GPM @ 100 PSI Water cannon
- Tank capacity of 1200 gallons standard, larger tanks available
- Rain water harvesting optional (up to 3300 additional gallons)

### NOMAD™ SPECIFICATIONS

**Capacity:** 850 gallons plus holding tank

**Weight:** 7,800 lbs. shipping weight

**Dimensions:** 96" L x 240" W x 96" H

**Electric:** 208, 240, 480 single or three phase

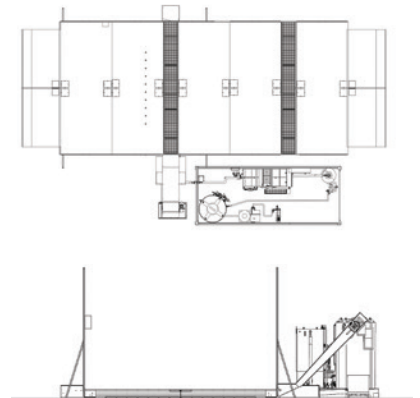
**Process Rate:** 0 – 80 GPM

**PSI:** 80 – 15,000

**GPM:** 4 – 80

**Material:** 304 stainless steel

**Water Treatment:** RTS 5000



Riveer Environmental employs a quality management system that is ISO 9001:2008 certified.  
©2012 RIVEER Sustainable Washing Systems. All rights reserved. Specifications subject to change. R8.12