

Complete Industrial and Marine  
Clean in Place  
(CIP) System Designs



orbijet.com

Tank Cleaning Technology  
for Industrial & Marine

Orbijet Cleans the World



15200 Middlebrook Drive; Suite E  
Houston, Texas 77058 - USA

Phone: 281.218.9400 | Fax: 713.513.5884

sales@orbijet.com

www.orbijet.com



CIP Cleaning in Place

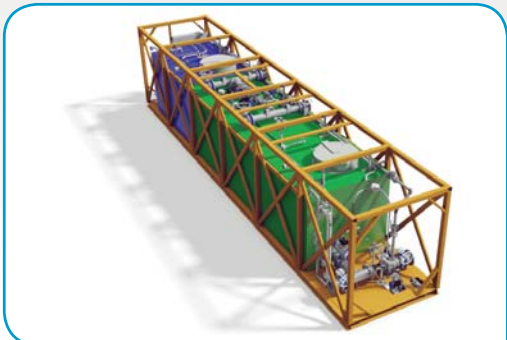
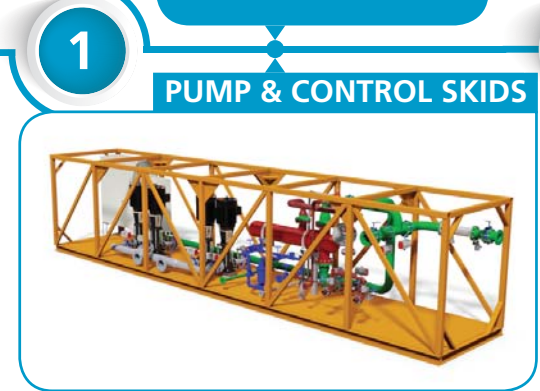
Tank Cleaning Systems

## COMPLETE CLEAN IN PLACE (CIP) SYSTEM DESIGNS

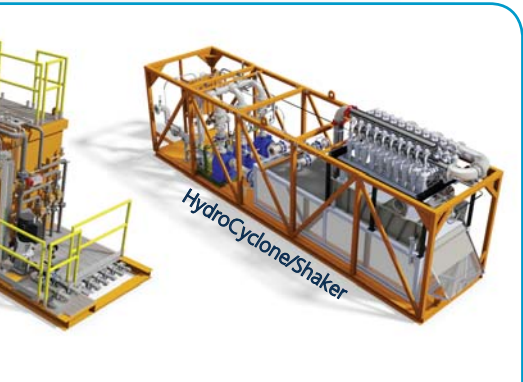
### CIP Cleaning in Place | Tank Cleaning Systems

1 Our skid mounted and loose component CIP Systems for Industrial and Marine industries are built for...

- Offshore Drilling Rigs
- Platform Supply Vessels
- Road and Rail Tankers
- Paper and Pulp
- Chemical Processing
- Paints and Coatings
- ... and more



2 Orbijet produces various types of tank skids in support and as part of our CIP System design. Tanks skids typically range in capacity from 50 gallons (189 liters) to 10,000 gallons (38 m³) and are constructed in carbon steel and/or stainless steel. Full support frame are available and with type approvals where necessary.



4 Our filtration methodologies range from a simple strainer to that of advanced hydrocyclone/shaker technology where high solids are expected... to that of advanced weir tank designs... to that of decanter centrifuge. Whatever the filtration challenge for the CIP System may exist... Orbijet will have the solution.

Let Orbijet make your tank cleaning process easier...



- Reduce cost
- Improve efficiency
- Clean faster
- Improve safety

ENGINEERING  
TANK CLEANING SYSTEMS  
CHEMISTRIES  
INDUSTRIES SERVED

Orbijet, Inc. offers detailed engineering support in terms of 3D AutoCAD analysis so as to avoid unexpected shadow areas in the tank to be cleaned. We offer on site startup/commissioning services and training.

Our systems routinely include the pumping and control skid; inclusive of tanks where needed. Solids separation systems where required. Validation methodology for cleaning verification. Control methodology can be manual or fully automated with data highway to master control rooms and more. In tank cleaning devices are specifically chosen for the best efficiency available.

Orbijet, Inc. produces chemistries that are highly effective against hydrocarbon based tank soilage. Our microemulsion chemistries will render the tank water-white whilst also remediating slops and separating oil from water and reducing oil on solids to less and 5%. Our solvent cleaners can remove paraffins and asphaltenes without heat.

Transportation • Offshore Drilling • Land Based Drilling • Paint and Coatings  
Paper and Pulp • Road and Rail Tankers • Contractors • Chemical Processing  
Ships • Oil Refineries • Plastic Manufacturers • Storage Terminals • Tank Farms  
Crude Oil Washing • Crude Oil Storage Tanks • Ethanol Fermenters • ...& more

#### When cleaning oil-based products/residuals

##### TURN OIL-WET TO WATER WET

Our patented Orbijet Chemistries take oil wet solids to water wet making the cleaning process for Hydrocarbon residual an easy task. The ability of the Orbijet chemistries to split the water/oil/solids phase also makes the recovery of oil and disposal process highly efficient.



##### THE MICROEMULSION PROCESS

Our microemulsion formulations render oil-wet sticky residuals in a tank to that of water-wet by inserting a water molecule between the oil molecule and the solid. Thus releasing the oil and allowing this to easily flow out of the tank being cleaned.

