

PIPELINE,
PROCESS &
INDUSTRIAL
SERVICES

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Bluefin
A **gate** Energy Company

FLOW ASSURANCE & PIPELINE CLEANING

Restoring Pipeline Integrity
& Flow

ADVANTAGES

- Patented extended reach ID cleaning Technologies
- Custom chemistry technology

APPLICATIONS

- Offshore and Onshore Pipelines
- Overboard Water Lines
- Process Piping
- Platform Risers
- Plant Piping Systems
- Heat Exchangers

SOLUTIONS

- Hydroblasting for process piping and HEX cleaning
- Extended reach hydro-blasting / lancing with clean containment system
- Scale, asphaltene, paraffin removal
- Online and offline cleaning
- Routine maintenance cleaning
- Internal camera inspection
- Pipeline deposit mapping
- Pre-ILI cleaning
- Pre-commissioning commissioning, and decommissioning
- Iron sulfide mitigation for sour gas plant inspections
- Printed circuit heat exchanger (PCHE) cleaning
- Free iron removal from alloy metals
- Cooling and heat medium filtration
- Waste management

LIQUIGEL[®] TECHNOLOGY

Unstickable, Proven
Alternatives to Mechanical
Pigging

SOLUTIONS

- Pipeline mapping
- Locating pipeline restrictions
- Oil-based, water-based, methanol-based, Propylene-based gel systems
- Gelled thermal fluid systems
- Surveillance and scouring pigs
- Pre-cleaning for ILI tool inspections
- Process or pipeline work onshore or offshore
- Pre-commissioning, decommissioning
- Remediations
- De-watering, de-oiling, Pipeline cleaning

ADVANTAGES

- Pig launching/receiving devices unnecessary
- Clean fluid separation through batching
- Large debris cleanout, improved solids carrying capacity
- Prevent seawater ingress
- Can be made in Liquid and/or Solid form, tailored formulations for application
- Wide range of chemical compatibility
- Used as spacer, isolation mechanism, prevents dilution of treatment pills
- Can be driven with natural gas, nitrogen, or air
- Unstickable, shape adaptation
- Can be made with food grade products

APPLICATIONS

- Onshore and offshore
- Industrial food, chemical, or pharmaceutical

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EELREEL

Extended Reach Solution
to Clean Plugged
Pipelines

SOLUTIONS

- Production Enhancement
- Hydrate Mitigation
- Engineered Test Stand
- Plugged Flowlines and Pipelines
- Facilitate Flowline Abandonment
- Advanced Pre-Job Modeling & Simulation

APPLICATIONS

- Platform to Platform or Subsea Entry
- Subsea and MSV Intervention
- Through Populated Areas, Under River/Lake Crossings
- De-Inventory of Lines

ADVANTAGES

- Reestablish and increase production
- Facilitate flowline abandonment
- Reaches areas inaccessible to other technologies
- Cleans flowlines to their full ID
- Can extend to distances greater than 23,000 feet in a single pass
- Engineered to extend to distances of 50,000 feet in certain ID's
- Retrieves stuck pigs
- Less bend restrictions than other technologies
- Surpasses lancing and CT wash out tool reach
- More versatile point of entry than any similar technologies
- Improved cup designs and speed of entry

BLUEDOG

Patented, Controlled
Cleaning & Recoverable
Jet Pig

SOLUTIONS

- Production Enhancement
- Hydrate Mitigation
- Engineered Test Stand
- Facilitate Flowline Abandonment

APPLICATIONS

- Onshore and Offshore

ADVANTAGES

- Requires less foot print than conventional mechanical solutions
- Economical for integrity, repair and maintenance budgets
- Reduces remediation costs
- Assurance of ILI success
- Permits multiple pig runs with one tool
- Can be coupled with heated fluids deployed through the BlueDog to greatly improve penetration and removal
- Eliminates the bulldozing effect and sticking like mechanical pigs

PIPELINE DECOMMISSIONING

Technical Expertise &
Regulatory Compliance

SOLUTIONS

- Pipeline flushing and filtration
- Mechanical pigging
- LiquiGel® pigging
- Topside ICP flushing
- Nitrogen purging

ADVANTAGES

- Pipeline gel products
- Electronic monitoring
- Custom chemistry technology

APPLICATIONS

- Offshore pipelines and platforms
- Onshore pipelines and facilities

WATER TREATMENT & FILTRATION

Environmental
Accountability

PRODUCTS

- Carbon Media
- LiquiGel® Pig Products

EQUIPMENT

- Pipeline and Well Testing
- Filtration Equipment
- Compliance-Ready Onsite Storage
- Containment

APPLICATIONS

- Pipeline Decommissioning
- Offshore Overboard Produced Water Treatment
- Hydrotect Water Treatment
- ILI Operational Effluent Treatment
- Waster Water Effluent Treatment
- Fluid Handling, Flowback

UMBILICAL SERVICES

Flushing and Filtration for System Integrity

ADVANTAGES

- Variable Speed Electric Drive Triplex Pumps
- Pneumatically Operated Test Pumps
- Digital Test Gauges, Electrical Test Units
- Wireless Telemetry Sets

SOLUTIONS

- Fluid Examination (S.A.E. and N.A.S.)
- Wireless Monitoring During Load Out and Installation (Pressure, Resistivity and Conductivity)
- Pressure Testing, Post Installation Testing
- Insulation Resistance Testing, Conductor Resistance Testing
- Time Domain Reflectometry, Optical Time Domain Reflectometry
- Chemical Fluid Displacement

CHEMICAL FLUSHING, PICKLING, PASSIVATION & LUBE OIL FLUSHING

Systems Flushing, Sampling
& Analysis

SOLUTIONS

- Pre-commissioning, commissioning and decommissioning
- Maintenance
- Fluid sampling and analysis
- Fluids polishing and dehydration
- Varnish mitigation for oil systems
- Pickling fabricated spools prior to installation

APPLICATIONS

- Onshore and Offshore
- Industries: Plants, Petrochemical, LNG, NGL
- Maintenance and Turnarounds
- Facility Upgrades and Expansions
- New Construction
- Compressors
- Turbines
- Pumps
- Seal Oil Systems
- Dry Seal Gas Panels
- Control Oil Systems
- Hot Oil System
- Subsea Systems
- Topsides Systems
- Chemical Injection Systems
- Well Head Control Systems

HYDROSTATIC PRESSURE TESTING

Integrity Assessment
Assurance

SOLUTIONS

- Pre-commissioning and decommissioning
- Reinstatements and reclassifications
- Advanced drying solutions

ADVANTAGES

- Electronic monitoring
- Procedural execution
- Project closure reports
- On-staff professional engineering with extensive experience in the field and in the office

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- Industries: Plants, Petrochemical, LNG, NGL
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- Facility Upgrades and Expansions
- New Construction

PNEUMATIC LEAK TESTING SERVICES

Integrity Assessment
Assurance with Various
Gases

SOLUTIONS

- Helium Leak Testing
- Hydrogen Leak Testing
- Nitrogen Testing with Tracer
- Air Testing with Tracer
- Inert Gas Testing
- Air Testing

APPLICATIONS

- Exposed and unexposed systems onshore or offshore
- Plant facilities in the food, chemical, or pharmaceutical industry

ADVANTAGES

- Multiple methods based on client application
- Trace gas at 1%, or 10%
- Meets latest 2019 BPVC standard
- Methods to reduce pressurization time
- Vacuum application on small systems
- R&D for method improvement
- Data Acquisition System with single readout
- Ability to tie into client systems
- High accuracy temperature and pressure equipment
- Remote monitoring for safety
- Remote valve operations
- Process adaptable for any size project

MILLWRIGHT SERVICES

Rotating Equipment
Specialists

INDUSTRIES SERVICED

- Refineries
- Food
- Pharmaceutical
- Tire Plants
- Petrochemical Plants
- Chemical Plants
- LNG
- Fertilizer
- Renewable Energy
- Alternative Energy

SOLUTIONS

- Precision Laser Alignments
- Precision Leveling
- Equipment Maintenance and Repairs
- Equipment Preservation
- New Construction
- NCCER Certified Plus Millwrights

APPLICATIONS

- Pumps and Gear Boxes
- Compressors and Turbines
- Mixers, Fans and Dryers
- Conveyors and Bucket Elevators
- Rotating Equipment

CONTROLLED INDUSTRIAL BOLTING

Joint Integrity Anytime,
Anyplace

INDUSTRIES SERVICED

- Refineries
- Food
- Pharmaceutical
- Tire Plants
- Petrochemical Plants
- Chemical Plants
- LNG
- Fertilizer
- Renewable Energy
- Alternative Energy

SOLUTIONS

- Bolt Torqueing
- Bolt Tensioning
- Hot/Online Bolting
- Nut Splitting
- Flange Management
- Joint Integrity
- Bolt Load Validation
- Flange Inspection

APPLICATIONS

- Flanges and Valves
- Process Piping and Equipment
- Wellhead and BOP's
- Structural Components

FIELD MACHINING

On-site Machining
Solutions

INDUSTRIES SERVICED

- Refineries
- Food
- Pharmaceutical
- Tire Plants
- Petrochemical Plants
- Chemical Plants
- LNG
- Fertilizer
- Renewable Energy
- Alternative Energy

SOLUTIONS

- Pipe ID and OD Transitioning
- Flange Refacing
- Milling
- Line Boring
- Drilling and Tapping
- Stud Removal
- Journal Turning
- ID and OD mount machines available

APPLICATIONS

- RF and RTJ Type Flanges
- Pump Bases
- Bushing and Bearing Boring
- Shaft Repair
- Vessels and Exchangers
- Crane Pedestals
- Specialized Applications

COLD CUTTING & BEVELING

Precision Without Flames or Sparks

INDUSTRIES SERVICED

- Refineries
- Food
- Pharmaceutical
- Tire Plants
- Petrochemical Plants
- Chemical Plants
- LNG
- Fertilizer
- Renewable Energy
- Alternative Energy

SOLUTIONS

- Cold Work Application
- 2" - 120" OD Sizes Available
- Can be mounted in elbows or 90s
- Multiple bevel details available
- Creates a weld ready surface
- Eliminates heat affected zone

APPLICATIONS

- Heavy Wall and Large OD Piping
- Specialty Metals
- Vessels and Towers
- Piping with ID liners
- Exchanger Heads

LINE ISOLATION & WELD TEST TOOL

Cold cut. Isolate.
Fabricate.

SOLUTIONS

- Vapor Barrier and Hot Work Isolation
- Localized ID Weld Seam Pressure Test
- 1/2" - 42" Sizes Available
- Available for multiple pipe schedules

ADVANTAGES

- Safely monitor and vent vapors away
- Monitor seal integrity throughout the hot work process
- Eliminate the need for multiple blind flanges
- Commonly used in tandem with cold cutting

APPLICATIONS

- Process Piping Modifications
- Flowline Modifications
- Pipeline Repairs
- Riser Repairs

BLUEFIN PPI LOCATIONS



Lafayette Location (Headquarters)

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