

HOUSTON USA  
OIL TECHNOLOGIES



***"We go to you, in order to present our services, as a company in the field of oil and gas. We introducing a unique concept in Oilfield Supply Chain Management that enables true end to end integration and cross enterprise cooperation. Our rigorous identification and selection of world class manufacturers to supply our end customer products and services is a key differentiator to ensuring an effective and efficient execution of our proposition to the oil and gas market. We employ an outcome driven, highly structured approach and our solutions are customized, adaptable and modular. Our core attributes are people, processes, information and technology, allied to our experience and industry leading understanding."***



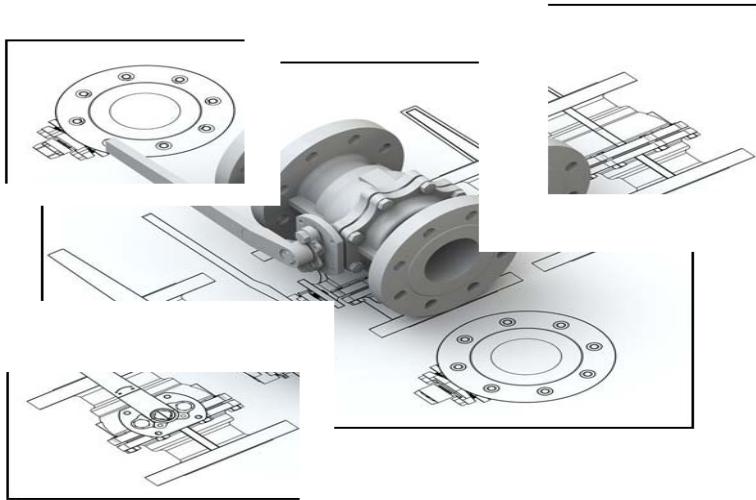


Safety is a key component at LMG & Lockwood International. We care about having a safety-minded staff, and we are dedicated to maintaining a hazard-free environment where the foremost target is safety. Our safety process is ingrained in daily operations and includes everyone from the highest executive to the newest associate.

All of our field service technicians have received basic and advanced safety training administered by the Houston Area Safety Council, PICS, DISA, ISNet World and ISTC certified organizations.



- Private Texas based corporation
- PVF + Automation + Fabrication + Field Service Corporation
- Global in scale
- Complete Line of Specialized Rigging & Lifting Devices & Tools
- Subsea Inspections and Installations
- Serving the Oil & Gas, Refining, Chemical, Petrochemical and Power Industries



**HOUSTON USA**  
**OIL TECHNOLOGIES**

# Global Presence



**HOUSTON USA**  
**OIL TECHNOLOGIES**

Houston, TX





Operations & Logistics

# Operational Efficiencies Initiative

## Operational Excellence:

- Lean and 5S Standards
- Operational Excellence Focus

## Areas Covering:

- Logistics –Hub & Spoke Routes
- Inventory Management
- Replenishment
- Accuracy
- Obsolescence
- Process Discipline
- HR
- Training and Development
- Order Execution

## Client Specific Tools:

- Valve Matrix
- MM Code Utilization
- MDG Tool
- GEMS Standardization
- Integrated Supply On-site
- Software 4U / Ariba / SAP Integration
- MTR Portal Access
- Vendor Buyers
- Turn Around Trailers
- Vendor Managed Inventory



# Operational Efficiencies Initiative

## Technology Based Tools:

### Point of use

- Unit level stocking (or versus) a zone warehouse
- Electronic cabinetry and drawers for small bin items

### RFID tagging

- Management of larger products and spares without oversight

### Potential for unmanned warehousing

- Badge entry
- Bar code scanner utilization by site staff
- Security tagging for higher dollar items to ensure proper checkout
- Full utilization of e-catalogues



## Utilization of EDI Capabilities

### Utilization of Lockwood's in-house web based portal

- Expedites service response time and reduces delay in receiving and utilizing vital information
- Application based for smart devices
- User name and password enabled capabilities for secure transactions
- Offers ability to order common products while in the field
- Provides immediate access to critical data and documentation
  - MTR's
  - Delivery receipts
  - Statements
  - Invoices
  - Collection data



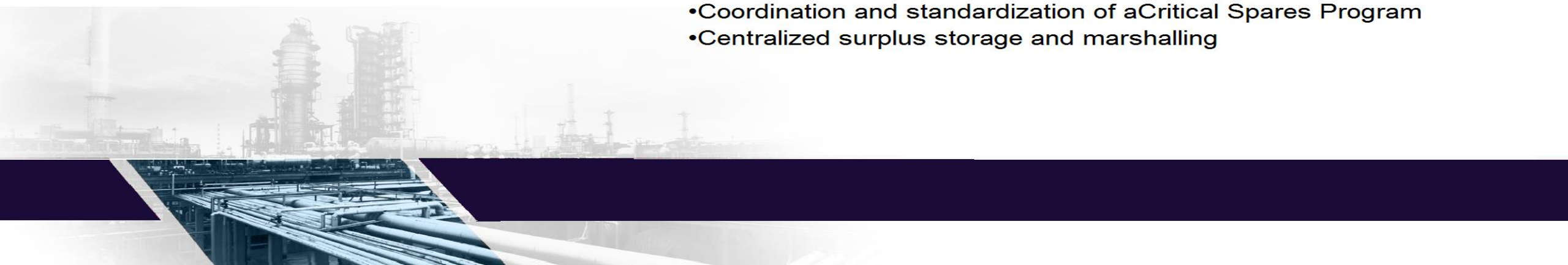
# Value Added Services

## Divisions:

- Distribution –Full PVF
- Project Services
- Technical, Engineering and QA/QC Support
- Manufacturing
- Testing
- Modification
- Pipeline
- Automation –Engineering, Design, Installation
- Field Services –Inspection, Installation and Repair
- Engineered Products
- Measurement Products
- Loading Arms and Accessories
- Proving Systems
- Safety Access Modules

## Inventory Optimization & Standardization:

- 100MM USD in current stock levels –Complete hub and branch visibility and interconnectedness
- Streamlining of supply chain
- On-site consignment
- Vendor managed inventory
- Turnaround trailers
- PSV Spares Program –Expanded to and centralized for all sites, including Relief Valves, Boiler Feed Pump Valves, etc.
- Coordination and standardization of a Critical Spares Program
- Centralized surplus storage and marshalling



# Value Added Services

## Personnel Support:

- 24/7/365 Support (After Hours Support)
  - CSR, Warehouse, Quality and Logistics personnel on call
  - After hours contact information given to all sites
  - Specialized forms created so that all customer required data is on shipping documents (*Work Order, Drop Point, etc.*)
  - Order is processed in system and communicated to buyer the next business day
- Increase contract utilization
- Technical and process support to provide standardization suggestions across specifications or sites and offering alternatives for problematic applications
- Material code mapping and standardization
- Review and report trends and emerging markets
- Quality audit of manufacturers
- Intel distribution of design, technical, testing, API and problem solving solutions across all sites
- On-site training
- Support for process improvements
- Project and turnaround planning support to maximize cost savings by utilizing factory delivery



# Products



# VALVES - UPSTREAM, MIDSTREAM & DOWNSTREAM

- TRUNNION MOUNTED BALL VALVES
- 150-900#, 1/2" - 48"
- THROUGH CONDUIT GATE VALVES
- Slab & Expanding Gate
- 150-900#, 1/2" - 48"
- CHECK VALVE
- 150-900#, 1/2" - 48"
- GLOBE VALVE
- 150-900#, 1/2" - 48"
- PLUG
- 150-900#, 2" - 48"
- WEDGE GATE VALVE
- 150-900#, 1/2" - 48"
- PIGGABLE VALVE
- 150-900, 4" - 12"

HVT2/HVT3 TRUNNION SOFT SEAT BALL  
API 6D  
150# - 1500#, ASME  
2" - 36" (& larger upon request)

VVT STEAM POWER VALVE  
Pressure: 150# - 4500#, ASME  
Size: 5/8" - 2" (& larger upon request)

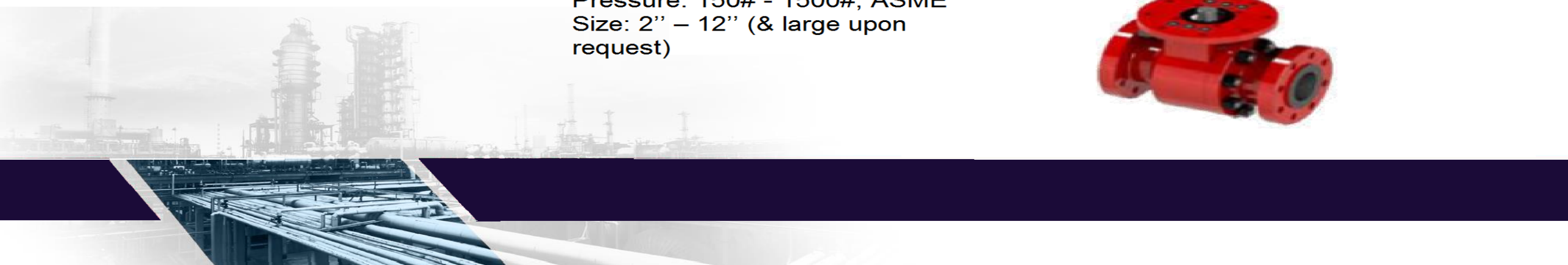
HVWGT WEDGE GATE VALVE  
Pressure: 150# - 600#, ASME  
Size: 1/2" - 36" (& larger upon request)

SVT SWING CHECK VALVE  
Pressure: 2000# - 15000#, API 6A  
(& higher upon request)  
Size: 2" - 12" (& larger upon request)

CVT FLOATING BALL VALVE  
Pressure: 150# - 2500#, ASME  
Size: 2" - 24" (& special order)

PVT PIG VALVE  
Pressure: 150# - 1500#, ASME  
Size: 2" - 12" (& large upon request)

HVT2/HVT3 DIB/DBB  
TRUNNION BALL  
API 6D Pipeline  
Soft Seated/Metal Seated  
HVSC SWING CHECK  
API 6D  
BWE/Flange  
HVDB DOUBLE BALL/NEEDLE  
API 6A & 6D  
Double Ball Design with Needle valve  
HVF2 FLOATING BALL  
API 6D  
Soft Seated/Metal Seated  
HVXG THRU-CONDUIT  
EXPANDING  
API 6D  
Piggable Pipeline Applications



# PIPING TECHNOLOGIES

- Snubbers
  - Hydraulic
  - Mechanical
- Sway Braces
- Sway Struts
- Variable Spring Supports
- Big Ton Springs
- Constant Spring Supports

### Pipe Shoes, Guides & Anchors:

- Pipe Shoes and Stands
- Cylinder Pipe Guides
- Anchors



### Support Assembly Components:

- Pipe Hangers, Clamps, & Risers
- Saddle Supports and Coverings
- Haeware, Rods, and U-Bolts
- Hold-Down Clamps
- Beam Attachments
- Clevis Hangers



### Experience designing and manufacturing engineered expansion joints of all types including:

- Thin Wall
  - Single
  - Hinged
  - Gimbal
  - Universal
  - Elbow Pressure Balanced
  - In-line Pressure Balanced
  - Externally Pressurized
  - Toroidal
- Thick Wall (Flanged & Flued)
- Slip-type
- Rectangular
- Fabric



# RIGGING TECHNOLOGIES

## Unique CHART-UR-BARTM SPREADER SYSTEMS

Specialized Gear for Low-Headroom Lifts

BTH Engineering / Intellectual Property

Extensive Rigging and Lifting Inventory

Most Experienced Consulting / Design Team in the Industry

Solid and Recognized Customer Base

Unbiased Approach with Strong Industry Reputation

Zero Loss Safety Record

## Complete Line of Specialized Rigging & Lifting Devices & Tools

- WIRE ROPE SLINGS & GROMMETS
- SHACKLES up to 990 tons
- TRI-LINKS up to 660 tons
- LIFTING ELBOWS
- DUAL TURNBUCKLES
- MASTER LINKS UP TO 5"
- SPECIALIZED LINKS
- SPECIALIZED HOOK LINKS
- LIFTING LUGS/TRUUNIONS



## CHART-UR-BAR™ SPREADER SYSTEMS & TOOLS

- CHART-UR-BAR™ SPREADER
- BAR SYSTEMS
- CHART-UR-BAR™ SPREADER
- FRAMES SYSTEMS (30°&45°)
- OCTA-LIFTERS
- OCTA-SPREADERS
- HEXA-LIFTERS
- HEXA-SPRADERS
- TRI-SPREADER SYSTEMS
- Rolling Blocks (to 400+tons)
- LIFTING BEAMS
- PLATE BARS (6 TO 165 TONS CAPACITY)
- LIFTING ELBOWS

## Complete Line of BTH Rigging Gear and Specialized Lifting Devices and Tools



# MARITIME SOLUTIONS

We are a full-service maritime and industrial supply company. We strive to provide the most efficient and cost-effective

service for our customers, and we always strive to meet they' needs, on time, always, on where it.

The key goals include: 1) To encourage the highest standards of ship operations, through innovation, creativity and the sharing of knowledge, 2) Efficiency and speed in dealing with Customer requests, 3) Quality of service, 4) Fast delivery,

5) Follow up from offer to delivery, 6) Updated IT tools to manage naval spare parts, orders and logistic support, 7) Customer satisfaction.

## SIMPLIFYING ASSET MANAGEMENT

Our goal is to help organizations understand what assets they have, where these assets are located and their current place in their life cycle to remove redundant or excessive purchases while reducing workload for all cross-functional teams involved in the asset management process.

### SERVICES AVAILABLE

#### Asset Management

- Work Order Development
- Asset Tracking
- Asset Cost Management
- Non-Invasive/Non-Obstructive Marks
- Asset Lifecycle Management
- Provides 100% Traceability

### Customized Solutions

- Dashboard Development
- Supply Chain Analysis
- Systems Integration
- Data Management
- Document Management Systems' and Control



# SUBSEA

## Subsea Inspections and Installations to include:

- Conventional riser and SCR installation, jumper and spool piece installation
- Manifold Installations
- Flying leads
- Remote pull-in operations
- DSV Support Operations
- ROV Operations
- ROV Tooling
- Diving Operations and Hyperbaric Welding
- Platform shutdowns and maintenance programs
- Platform de-commissioning
- FPSO subsea mooring installation
- SPM Installations
- Extensive experience in rigid and flexible pipe lay operations
- Fabrication and offshore installation of marine pipelines (rigid & flexible)
- Flexible flowline and riser installations
- Consultancy / advisory services
- Client representation
- Lift planning and generation of method statements
- All aspects of subsea field development and abandonment
- SBM Installations and Maintenance
- Telecommunication Repairs

## Common inspections include:

- Tanks/Vessels
  - Piping Systems
  - Steam & Gas Turbines
  - Boilers, furnaces, HRSGs
  - Heat Exchangers
  - Internal Rudder Inspections
- ### Vessel Inspections / UWILD
- Diver-less Underwater Hull Inspection Services
  - Diving Audits and Vendor Selections
  - Zero Risk and Less Crew for inspections
  - Not weather sensitive and can be done offshore at anchorage
  - Project Management





# DRILLING RIG



# Drill



## Workover Rigs For Sale Inventory

### Watson Corsair 400 Workover Rig

#### Description:

Carrier Mounted Mast 104 ft - 250,000 lb 15000  
ft Rating. New in 2012 475 HP Low Mileage,  
Low Hours

**Country:** USA



# DRILLING RIG



REFERENCE	
Equipment requested	<b>DRILLING RIG</b>
Port of destination	<b>Anywhere</b>
<b>Option 1</b>	<b>OILWELL E-2000 - General particulars</b>
<ul style="list-style-type: none"> <li>· OILWELL E-2000 single drum draw works with Elmagco 7838 electric brake and (2) GE 752's</li> <li>· LEE C MOORE cantilever mast 142' x 1,300,000 lbs SHL, 9 sheave crown grooved for 1 1/2" wire line</li> <li>· LEE C MOORE swing-up substructure, 30' floor height, 26' clear height, 1,000,000# rotary capacity with 800,000 # setback capacity</li> <li>· OILWELL A-1700 PT triplex mud pump, rigged out with (2) GE 752's BREWSTER P-1600 triplex mud pump with (2) GE 752's</li> <li>· ROSS HILL model 1400, 4 bay SCR (rebuilt)</li> <li>· CANRIG 500 ton top drive with drive house</li> <li>· NATIONAL IR 3080 Iron rough neck</li> <li>· OILWELL 500 ton block with BJ 5500 Dynaplex hook</li> <li>· NATIONAL P-650 swivel</li> <li>· OILWELL 27 1/2" rotary table</li> <li>· KOOMEY 180 gal 7 station air and electric accumulator with remote</li> <li>· (3) CATERPILLAR D399TA's each with KATO 1050 KW generators, cold start and wired</li> <li>· (3) Mud tanks with stirrers, shakers, electric centrifugal pumps, de sander, de sliiter, cyclone</li> <li>· 10' x 45' pusher house</li> <li>· Air compressors, trip tank, Oil bin, catwalk, driller dog house, ODS dog house, mixing house, fuel tank, derrick stand, water tanks, suitcases, survey unit, storage house and many extra's</li> </ul>	



# DRILLING RIG



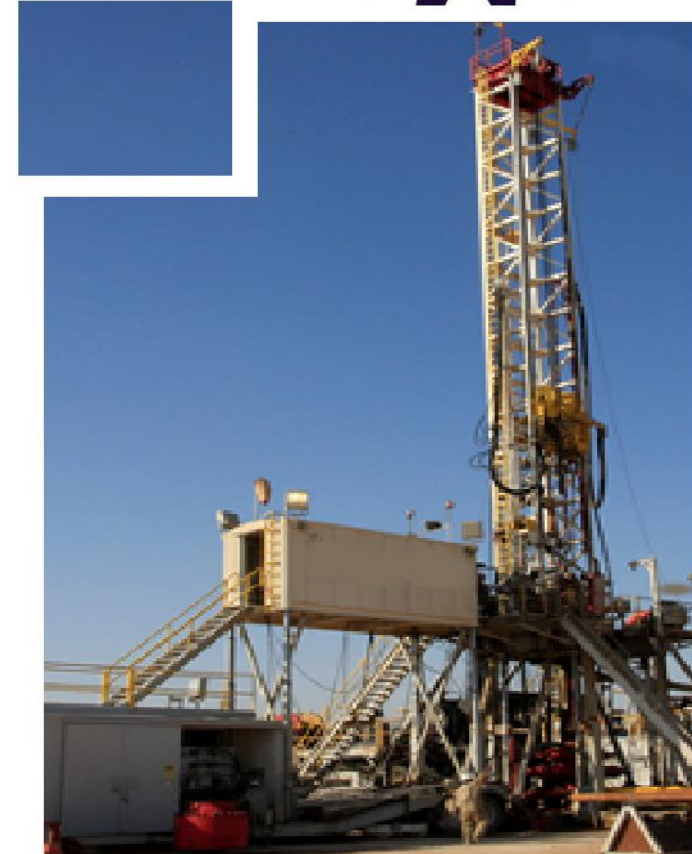
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# DRILLING RIG



REFERENCE	
Equipment requested	<b>DRILLING RIG</b>
Port of destination	<b>Anywhere</b>
<b>Option 2</b>	<b>LAND DRILLING RIG LTI – 3000HP - General Specifications</b>
<b>Rig No. 2 - Drilling Rig – LTI 3000HP (constructed 2009) upgraded 2015</b>	
<b><u>MAST</u></b>	<b>LeTourneau Drilling Technologies (LTI)</b> Type: Cantilever Clear Height: 156 ft Hook Load Capacity: 1,700,000 lbs Line Stringed Up: 14
<b><u>SUBSTRUCTURE</u></b>	<b>LTI</b> Model: LR1300 Rig Floor Height: 38 ft Total Load Capacity: Setback and Rotary Beams 1,700,000 lbs
<b><u>DRAWWORKS</u></b>	<b>LTI</b> Rating Depth: 25,000ft Nominal Input HP: 4,500hp Drilling Line: 1 5/8" Sand Line: n/a Auxiliary Brake: LTI
<b><u>ROTARY TABLE</u></b>	<b>LTI 37 1/2"</b> Table Opening: 37 1/4" Static Load Capacity: 650 tons
<b><u>HOISTING SYSTEM</u></b>	Crown Blocks: LTI API Rated Capacity: 1,700,000 lbs Sheaves: 7x60"; 1x72" Traveling Blocks/Hook: LTI API Rated Capacity: 850 tons Sheaves: 7 ea 68" Ø
<b><u>SWIVEL</u></b>	Type: L-70 Load Rating: 1,490,000lbs Working Pressure: 10,000psi



# DRILLING RIG



REFERENCE		
Equipment requested	<b>DRILLING RIG</b>	
Port of destination	<b>Anywhere</b>	
<b>Option 2</b>	<b>LAND DRILLING RIG LTI – 3000HP - General Specifications</b>	
<b>POWER SYSTEM</b>	5 x CAT 3512C 1 x CAT C15 (emergency generator)	
<b>MUD PUMPS</b>	3ea. LTI WH1612	
<b>MUD TANKS</b>	Number: Total Volume:	8 each 4,000 bbls
<b>SOLIDS CONTROL EQUIPMENT</b>	3 each Shale Shakers (NOV Brandt)  1 Mud Cleaner LTI De Sander LTI De Silter	
<b>WATER STORAGE</b>	Number: Total Capacity:	2 each 1,000 bbls
<b>FUEL TANKS</b>	Number: Total Capacity:	2 each Cylindrical mounted on trailers 700 bbls





# specifications summary



# DRILLING RIG



REFERENCE	
Equipment requested	<b>DRILLING RIG</b>
Port of destination	<b>Anywhere</b>
<b>Option 2</b>	<b>LAND DRILLING RIG LTI – 3000HP - General Specifications</b>
<b>Rig Name or Number</b>	<b>LTI Rig 2</b>
<b>Rated Drilling Depth:</b>	25,000 ft
<b>Total Rated Rig Horsepower:</b>	3000hp
<b>Mast / Derrick: Manufacturer</b>	LTI
Type	Swing lift
Height From Rig Floor	30ft
Height From Ground Level	156ft
Static Hook Load Capacity	1,500,000lbs
Racking / Set Back Capacity	200 std 5"DP, 8 std 8 1/4Dc, 5 std 9 1/2 "Dc
<b>Substructure: Manufacturer</b>	LTI
Type	Swing Lift
Overall Height	35ft
Free Clearance Height to Beams	30ft
Total Load Capacity	200,000,000lbs
Set Back Capacity	800,000.00lbs
<b>Crown Block: Manufacturer</b>	LTI
Type	Skewed type
Capacity	1,500,000 lbs
Number of Sheaves and Size	7@60" 1@72"
<b>Travelling Block and Hook: Manufacturer</b>	LTI
Type	TBN-750
Capacity	1,500,000 lbs
Number of Sheaves and Groove Size	7 x 60" dia sheaves 1 5/8" dia drill line
<b>Swivel/Top Drive: Manufacturer</b>	LTI
Type	L-750
Capacity	1,490,000lbs
Maximum Working Pressure	10,000psi
<b>Rotary Table: Manufacturer</b>	LTI
Type	L-375
Size	37 1/2"
Load Capacity	1,600,000 lbs
Drive Type - Electric/Hydraulic/Mechanical	Electric
Continuous Max Torque Output – High/Low	7,690 ft-lbs





# DRILLING RIG



REFERENCE	
Equipment requested	<b>DRILLING RIG</b>
Port of destination	<b>Anywhere</b>
<b>Option 2</b>	<b>LAND DRILLING RIG LTI – 3000HP - General Specifications</b>
Generator Manufacturer and Type	Caterpillar 3512
Number Of Generators	5
Individual / Total Output Power	1476 Hp
Emergency Generator Manufacturer & Type	Cat C15
Number Of Generators	1
Individual / Total Output Power	500Kw
Equipment Useable on Emergency Power	Rig camp & Rig system
Number of Fuel Storage tanks	2
Total Capacity	80,000 lts
Average Daily/Monthly Fuel Consumption	1,440,000 lts per day
<b>Power Drive System/Conversion System:</b>	
Diesel / Mechanical	No
Diesel / Electric	Yes
Diesel / Hydraulic	No
Diesel / Electric SCR controlled / Type	No
Transformer System Type	No
<b>Mud Pumps: Manufacturer</b>	
Type	WH-1612 Single Acting Triplex
Horsepower	1600hp
Rated Maximum Working Pressure	7,500 psi
Continuous Maximum Operating Pressure	7,500 psi
Precharged or Gravity Fed Suction	3 Interchangeable
Suction Damping System Type	L20-7500
HP Discharge System Working Pressure	7500psi
HP Discharge Manifold Size	5-1/8" 10,000 PSI



# Value-Added Services

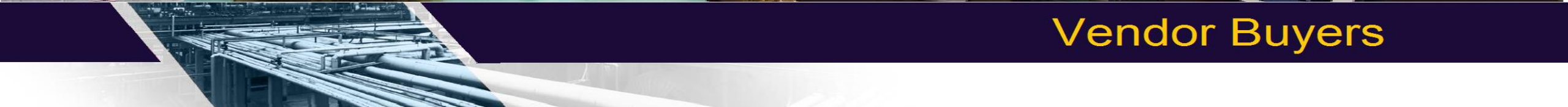




**Project Management**



## Vendor Buyers



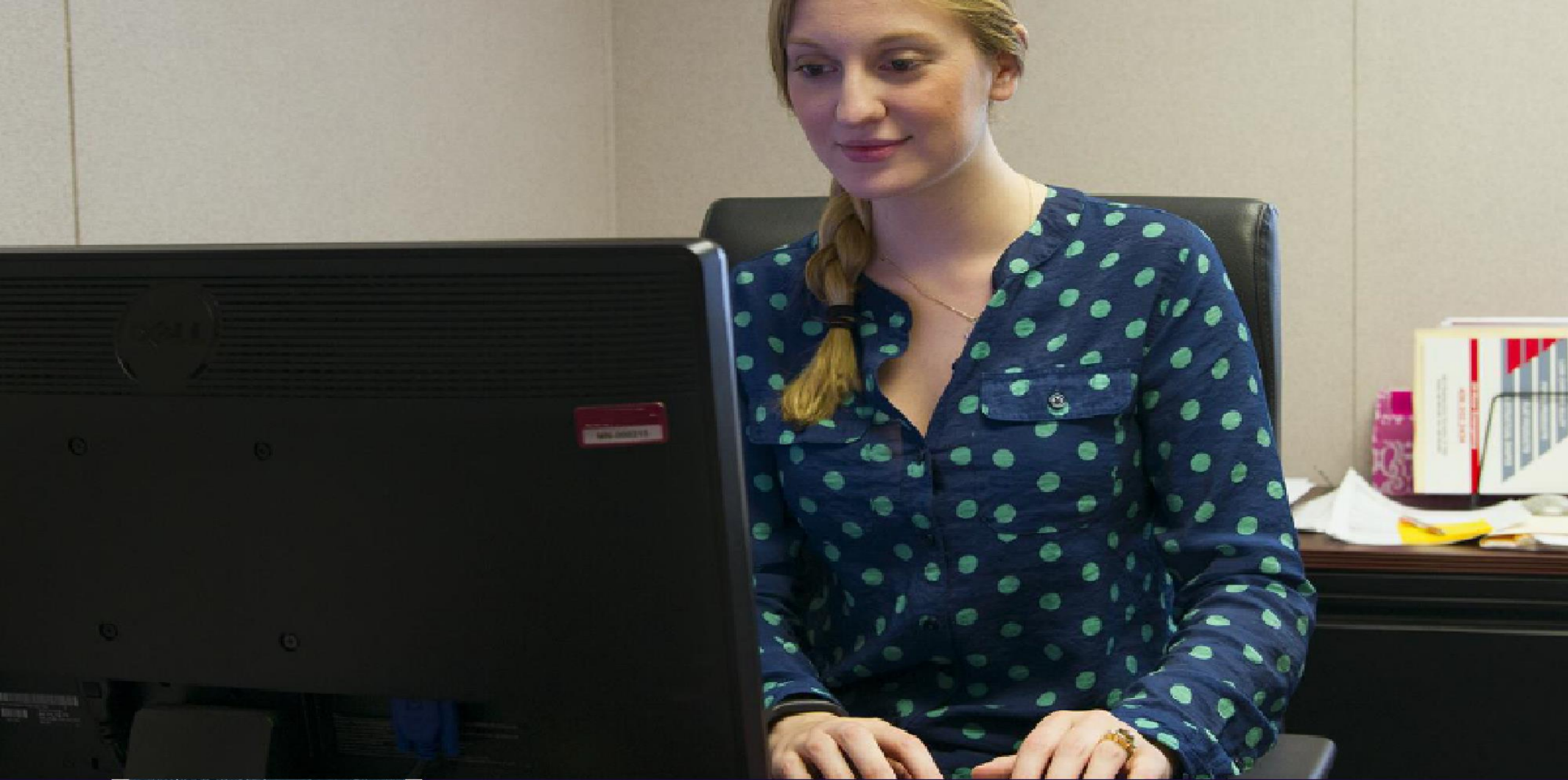


On-site Warehousing





Vendor Managed Inventory



Documentation

# Technical Services





# LMG Technical Services

## QA/QC

Inspections  
Audits  
ISO Certified / Process  
Safety



## Engineering

Drawings  
R & D – Research and Development  
Value-Added / Applications Engineering  
Solutions / Alternatives



## Product Development

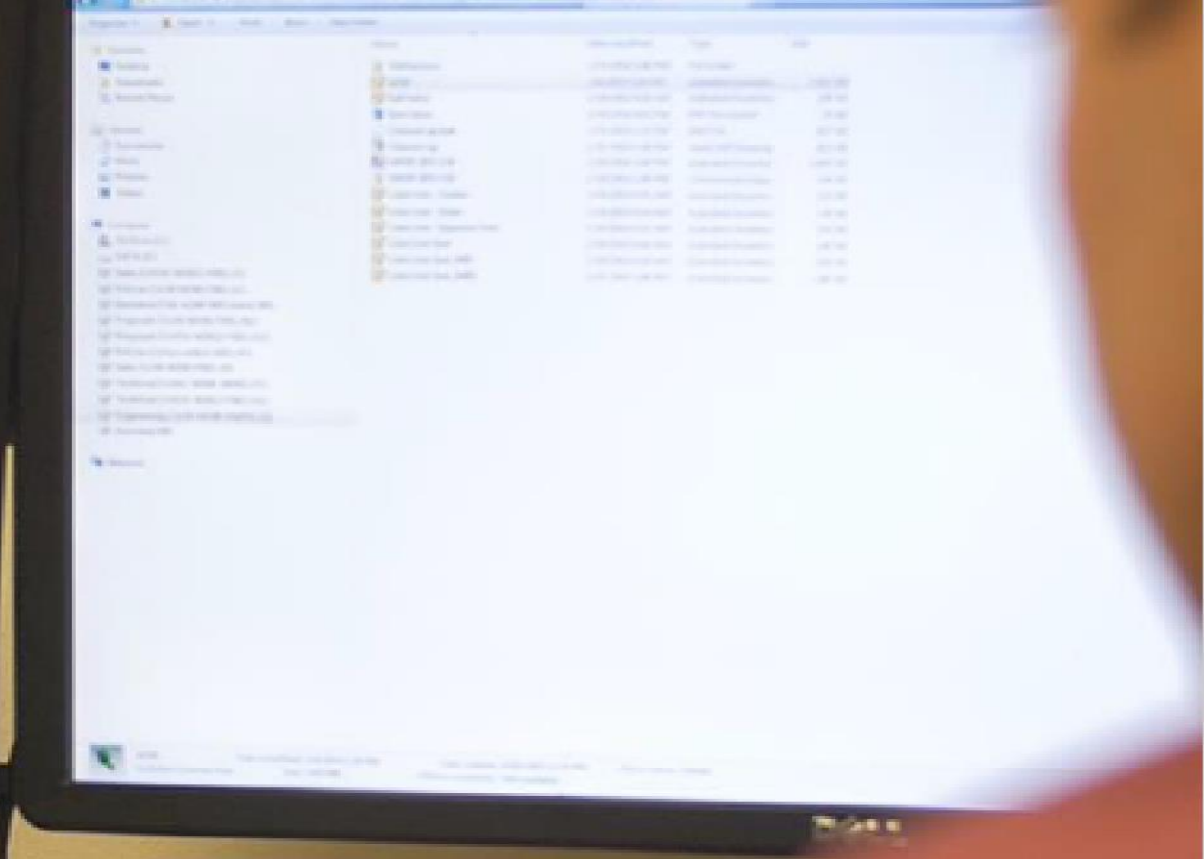
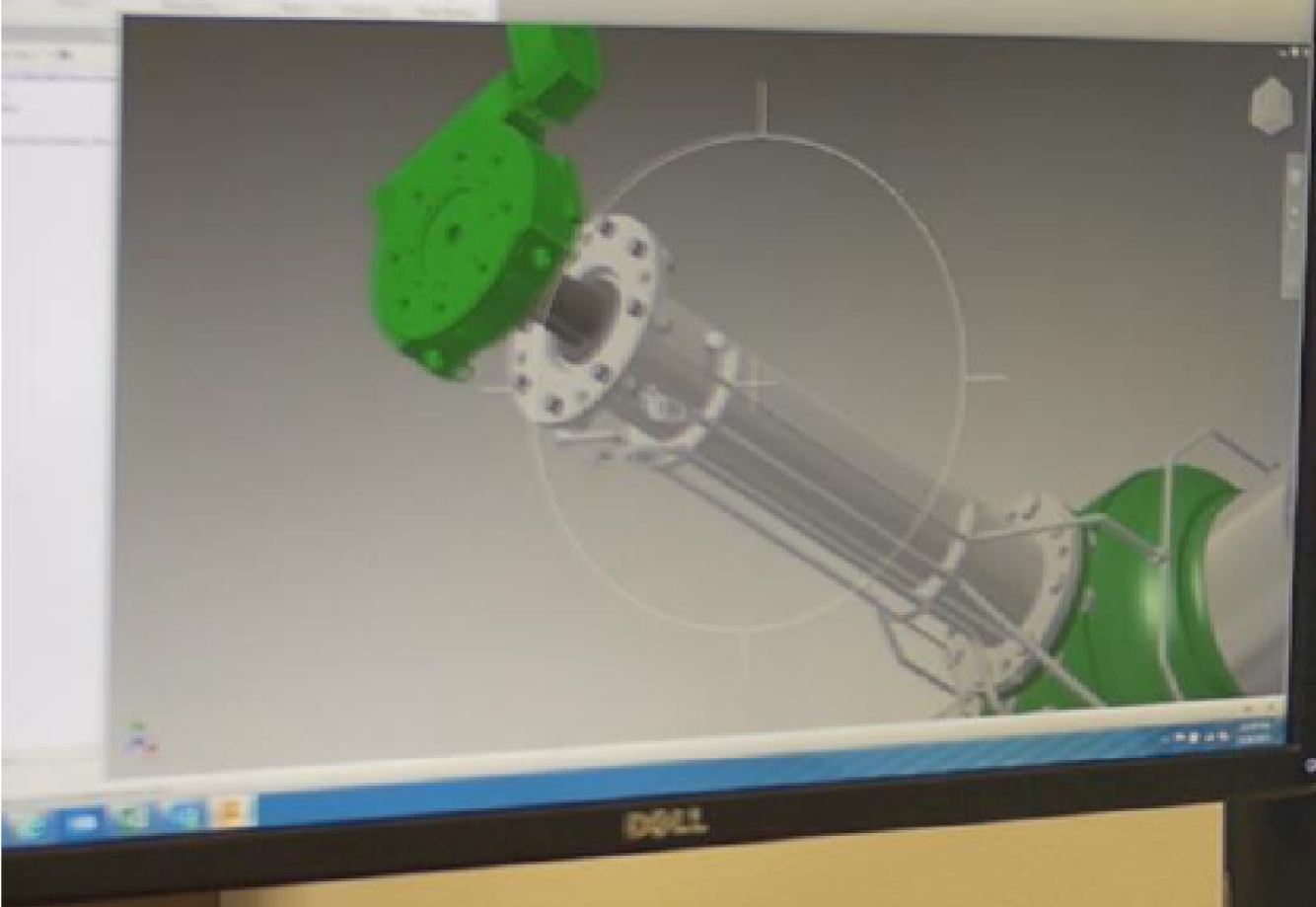
Private Label / LMG Branding  
Engineering Products  
Non-Distributed Products  
Niche – Specialty



## Production

Automation  
Mod & Repair  
Field Service  
Testing





Engineering



**Modification/Repair**





Automation Retro-fit





Automation Testing



**Field Service**



# Advantage

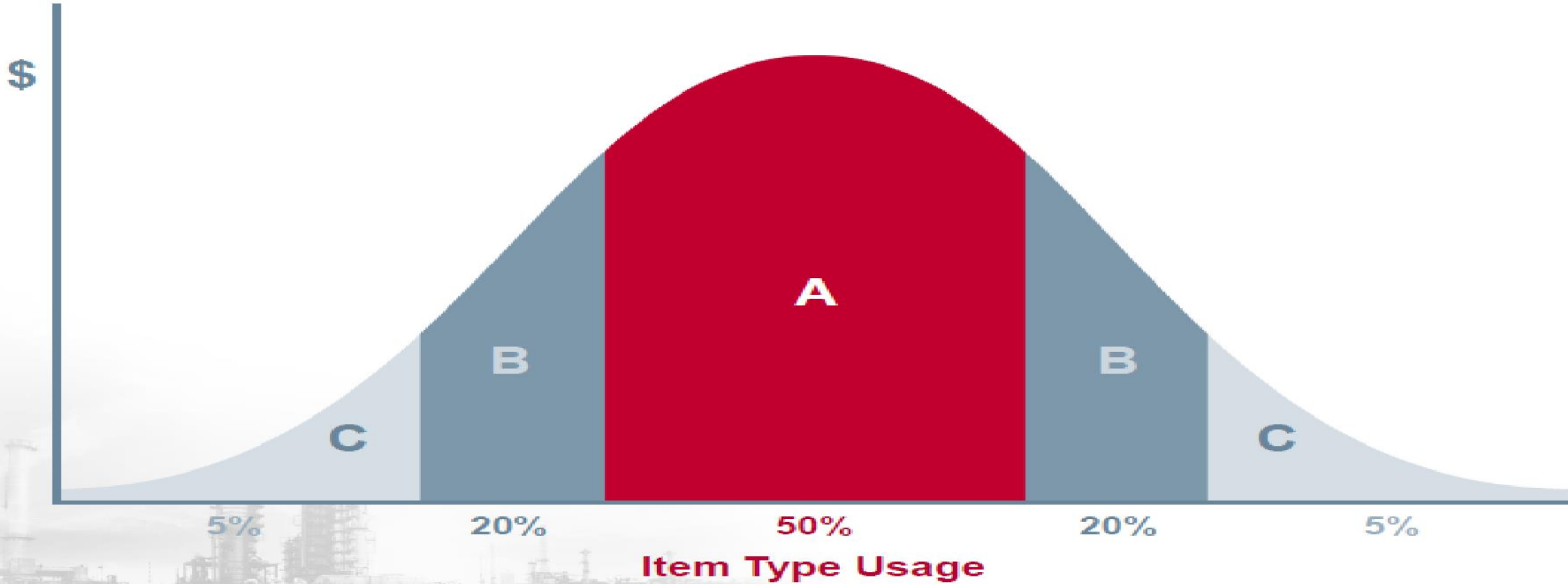




# Supply Chain Solutions



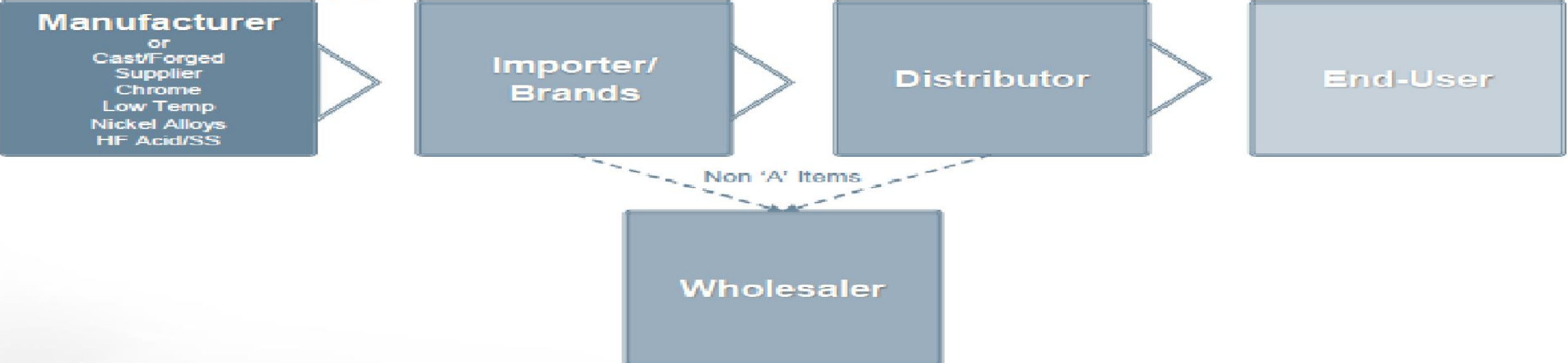
# Agreement Efficiency



# Supply Chain



## Transactional Supply Chain: PVF



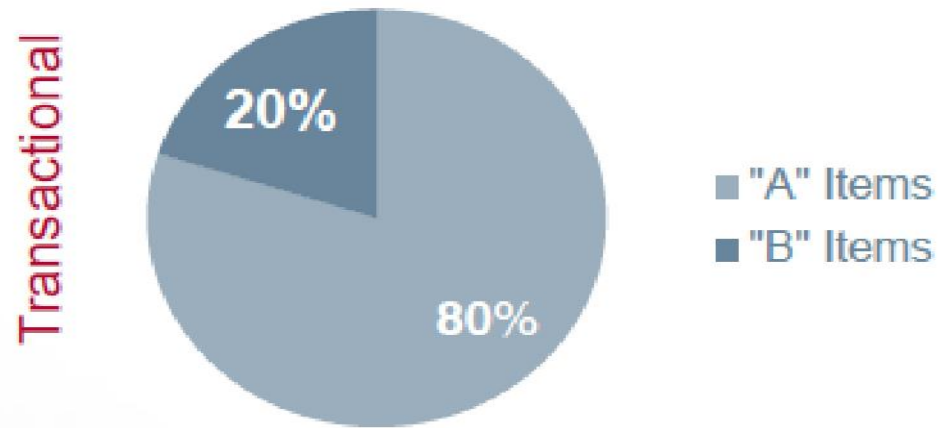
## Investment Supply Chain: Products



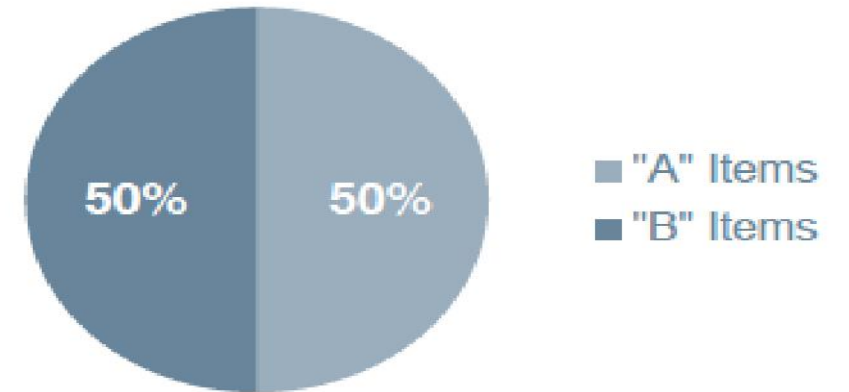
# Transactional vs. Investment



## Number of Transactions



## Dollars Spent

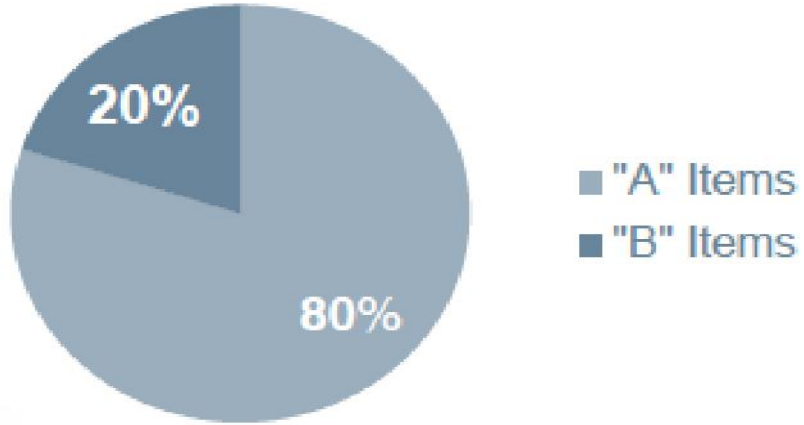


# Transactional vs. Investment

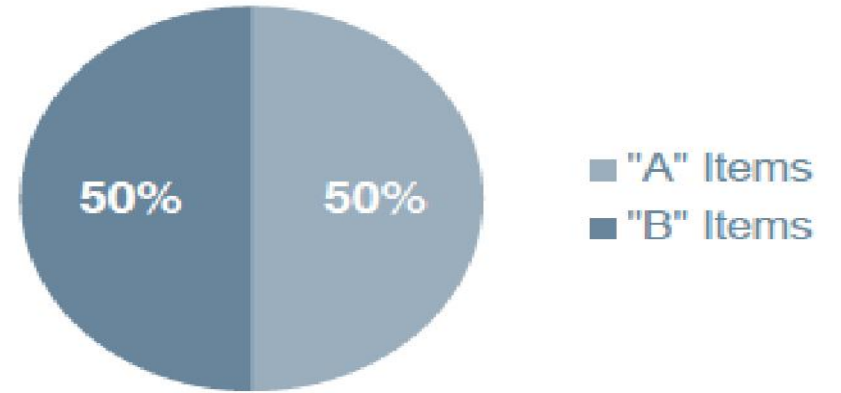


## Number of Transactions

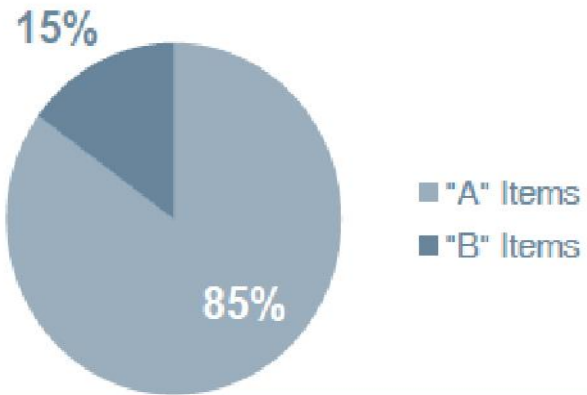
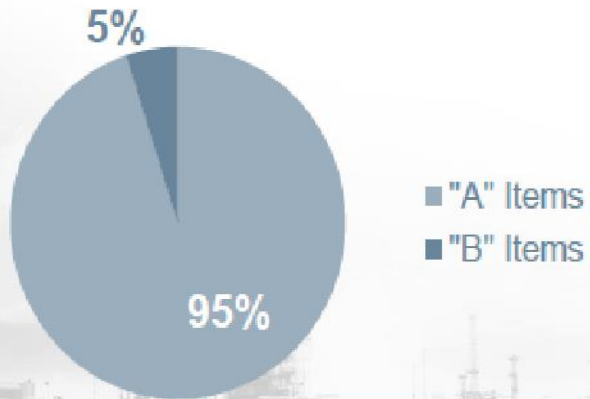
Transactional



## Dollars Spent



Investment



# Technology





HoustonUsa OilTechnologies



<https://houstonsaoiltech.com/>



houston usa oil technologies



h\_usaoiltech

Communication

***Is Your Supply Chain  
Secured?***



**Market Conditions**







<https://houstonusaoiltech.com>

