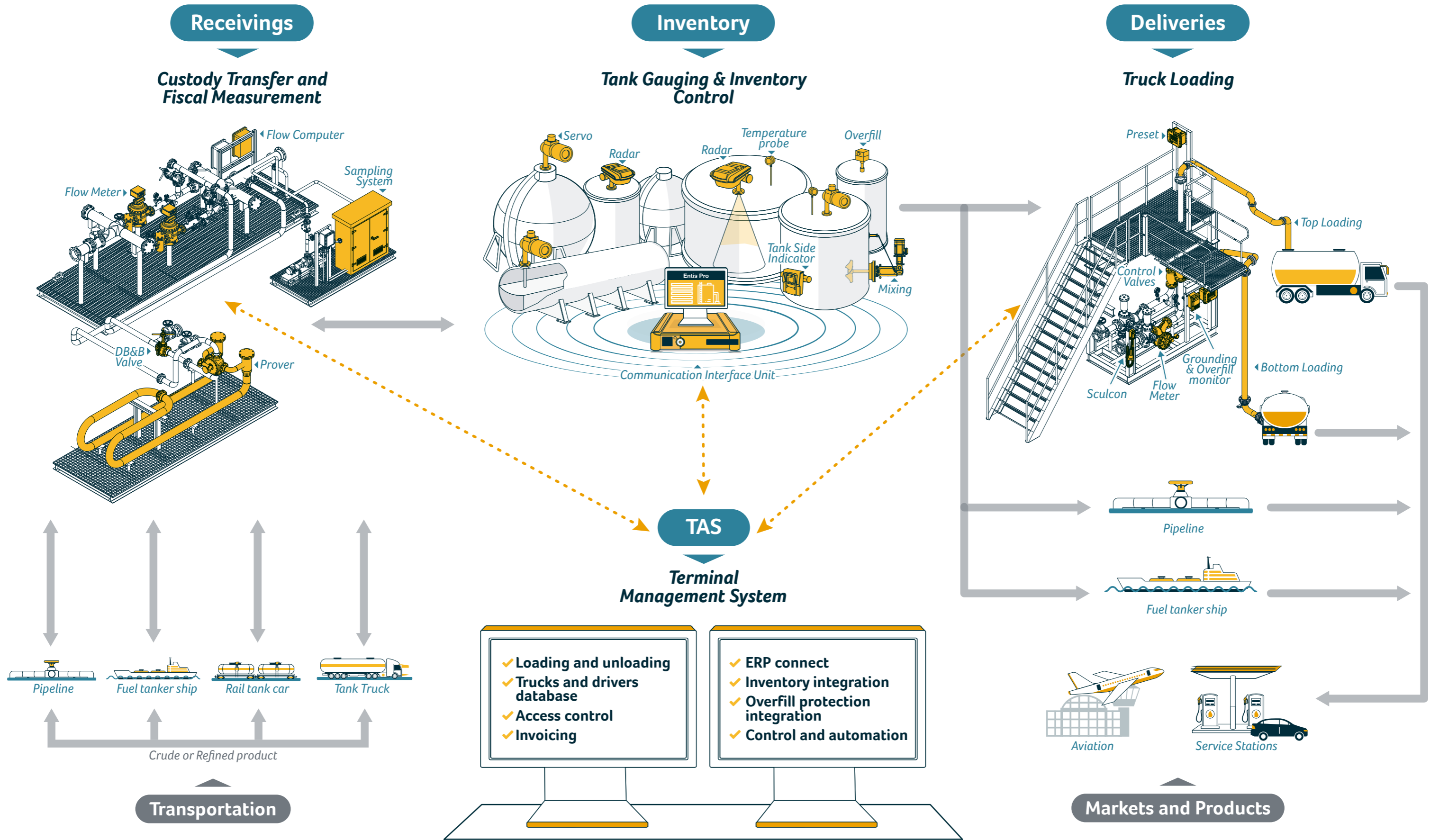




We Build Trust

Solutions for  
**Fuel Storage and Distribution Terminals**



## Our Solutions

- Custody Transfer and Fiscal Measurement Systems
- Tank Gauging and Inventory Control
- Fuel Loading and Unloading Equipment / Skids Solutions
- Additive Injection
- Meter Proving
- Fluid Transfer Systems (Loading Arms)
- Jet and AV Gas Filtration Systems
- Terminal Automation
- Tank Overfill (AOPS) System
- Tank Mixing
- Pump Skids
- Odorization
- Engineering, Fabrication and Project Management

## Our Partners

We bring our own unique solutions along with our prestigious international partners :



## Our Partners



### Loading and Unloading Terminal Equipment

Leading company in the international market specialized in the design and manufacture of flow meters and equipment for oil & Gas and industrial applications.



### Products

- Positive displacement Flow meters (PD Meters).
- Turbine Flow Meters.
- Flow Control Valve.
- Filters and Air Eliminators.
- Flow Computer.

### Applications

- Fiscal Flow Measurement Custody Transfer.
- Fuel Loading and Unloading of Tank Trucks and Tankers.
- Ethanol and Biodiesel Blending.
- Aviation Refueling Systems.



KROHNE is a manufacturer of industrial process instrumentation solutions for the Oil and Gas industry. It has a wide range of equipment for flow measurement with state of the art technologies and very high quality.

### Products

- Coriolis Mass Flowmeters.
- Ultrasonic Flowmeters.
- Ultrasonic Clamp on Type Flowmeters.
- Vortex Flowmeters.
- Flow Computers.
- Leak Detection System (PipePatrol).

### Applications

- Fiscal Measurement Systems.
- Measurement and Control Lines.
- Energy Generation and Mining.
- Petrochemicals.
- Refineries.
- Leak Prevention Systems.
- Pipeline Leak Detection.



# Solutions for Fuel Storage and Distribution Terminals

## Honeywell



Process automation and optimization solutions based on state of the art technology for more productive and reliable operations.

### Loading and Unloading Terminal Equipment

Highest quality solutions for loading and unloading terminals involving flow computers, additive injection and provers.

#### Products

- Additive Controllers and Injectors.
- Compact Provers.

#### Applications

- Tank Truck and Tank Car Loading Terminals.
- Fuel, Ethanol and Biodiesel Unloading Terminals.



## Honeywell Enraf



### Tank Gauging and Inventory Control

Solutions for tank gauging and inventory control based on highly accurate Radar, Servo or Optical equipment.

#### Products

- Tank Storage and Inventory Control Systems.
- Level Transmitters (Technologies Radar, Servo, Optical).
- Tank Level Display.

#### Applications

- Flow Stations.
- Storage Terminals.
- Product Dispatch Terminals.





## Honeywell | Analytics

### Gas Detectors

Honeywell Analytics offers a wide variety of advanced gas detection systems and devices that provide additional industrial protection.

#### Products

- Fixed Gas Detectors.
- Fire And Flame Detectors.
- Portable Gas Detectors (RAE & BW).

#### Applications

- Oil and Gas Industry.
- Petrochemicals.
- Chemicals.
- Water treatment.
- Pulp and Paper.

## EMCO WHEATON

by Gardner Denver

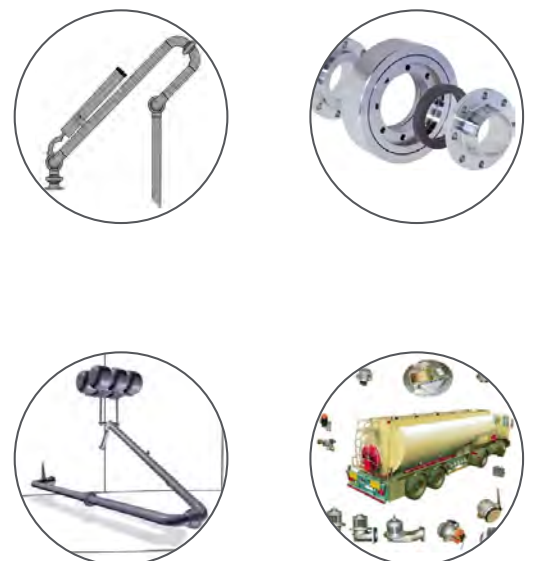
Company specializing in the design and manufacture of high quality equipment for the fluid transfer industry, applicable to this sector.

#### Products

- Loading Arms for Fuel and Chemical Loading Racks.
- Swivel Joints.
- Floating Suctions.
- Tank Truck Couplings, Adapters and Accessories.

#### Applications

- Tank Truck and Tank Car Loading Terminals.
- Storage Facilities.
- Fuel Distribution Industry.
- Marine Terminals.
- Petrochemicals.



# Solutions for Fuel Storage and Distribution Terminals



Fluid detection and handling systems. Innovative technology that provides safe, efficient and reliable transport across fail safe systems and equipment.

## Products

- Overfill Prevention and Remnant Product Monitors for Tank Truck Loading Systems.
- Sensors and Accessories.
- Vehicle Grounding Verification.
- Overfill and Remnant Product Monitoring Equipment and Accessories for Tank Trucks.



## Applications

- Fuel, Ethanol and Biodiesel Unloading Systems.
- Tank Truck or Tank Car Loading and Unloading Terminals.
- Transport Fleet.
- Flow Stations.



Standard vertical and lateral mixing and agitation equipment for open or closed tanks as well as equipment designed to customer specifications.

## Products

- Vertical Tank Mixers.
- Side Entry Mixers.

## Applications

- Homogenization.
- Aeration.
- Temperature Uniformization.
- Reagent Mixing.
- BS&W Control in Crude Oil and Condensates, etc.



Design and manufacture of highly accurate and reliable real time odorization and automatic sampling systems for light products and crude oil.

### Products

- Automatic Light Liquid Samplers.
- Automatic Crude Oil Samplers.
- Dynapak Sampling Systems.
- Odorization Systems for Liquefied Gas Plants (LPG)

### Applications

- Oil Companies in the Exploration and Production Areas.
- Storage Tanks and Oil and Gas Pipelines.
- Petrochemical Companies and Refineries.
- NJEX Odorization Systems with Tanks and Skid for use in Almost any Application

## VIKING PUMP



Viking gear and Vane pumps are positive displacement rotary pumps that move the same amount of liquid with each shaft revolution. Manufactured in various materials and different types of connections and seals.

Available for API 676 to apply for the oil and gas processing plants, such as terminals, refineries and petrochemicals.

- Allows viscosities of 28 to 2,000,000 SSU (1 to 440 000 cSt)
- Flow Range up to 1600 gpm (363 m3/h)

### Applications:

- Oil & Gas
- Petrochemical
- Chemical Industry
- General Industry



# Solutions for Fuel Storage and Distribution Terminals

ALLWEILER®

HOUTTUIN™

WARREN®

IMO®

CIRCOR is a world leader in the manufacture of positive displacement pumps and related technology for use in the commercial marine, defense, industrial, oil and gas, and power generation industries.

By providing reliable fluid handling solutions for numerous applications, we've built strong and lasting partnerships with global firms and regional operators. Our extensive product line includes industrial pumps, injection pumps, transfer pumps, specialty centrifugal pumps, and rotary screw pumps (two-screw, three-screw, and progressive-cavity).

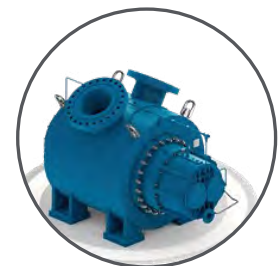
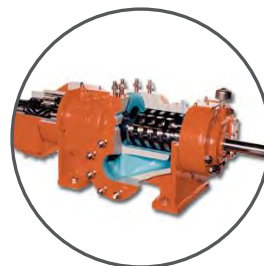
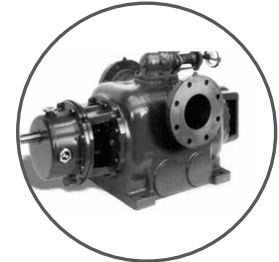
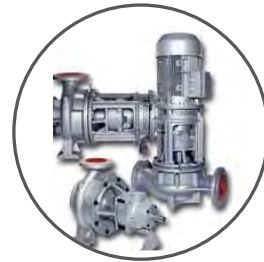
## Pump Technologies:

### Products

- Two-Screw.
- Three-Screw.
- Centrifugal.

### Applications

- Terminals / Fuels
- Crude transfer
- Bitumen
- Asphalt
- Chemical products



 CIRCOR

We provide engineering and procurement to the petroleum sector for "Turnkey Projects (EPC)" to adapt or **enhance** fuel distribution **plants**, storage terminals, flow stations, product pipelines, docks, etc. In addition to high quality solutions and products, we also offer **specialized expertise** for project development, installing our systems and equipment and **maintenance support**.



### Terminal Automation System

Modular solution for terminals, based on proven and reliable platforms.

- ✓ Loading and unloading
- ✓ Trucks and drivers database
- ✓ Access control
- ✓ Invoicing
- ✓ ERP connect
- ✓ Inventory integration
- ✓ Overfill protection integration
- ✓ Control and automation

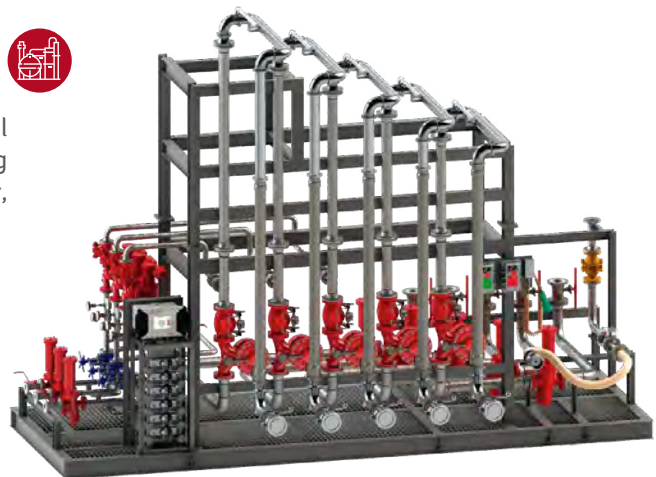
### Loading and Unloading Skids for Hydrocarbon Products, Ethanol Blending



Modules or Skids for loading and unloading products, Ethanol blending. Designed to perform the filling and unloading process in tank trucks in a safe and efficient manner, complying with all the regulations required in the industry.

#### Applications

- Modular Tank Truck Loading Terminals (Top and Bottom Loading)
- Tank Truck Unloading Module.



# Solutions for Fuel Storage and Distribution Terminals



## Additive Injection Systems

Solutions designed according to the needs of the client for applications where it is required to incorporate a very small volume (from 10 cc min) into a measuring line in a constant and fully automated.

### Applications

- Tank Truck and Tank Car Loading Terminals.
- Measurement and Control Lines.
- Fuel, Ethanol and Biodiesel Loading Systems.



## Master Meter

Systems designed in a modular way to perform calibrations of meters in tank truck loading terminals, without interrupting daily operations.

### Applications

- Tank Truck and Tank Car Loading Terminals.
- Measurement and Control Lines.
- Fuel, Ethanol and Biodiesel Loading Systems.

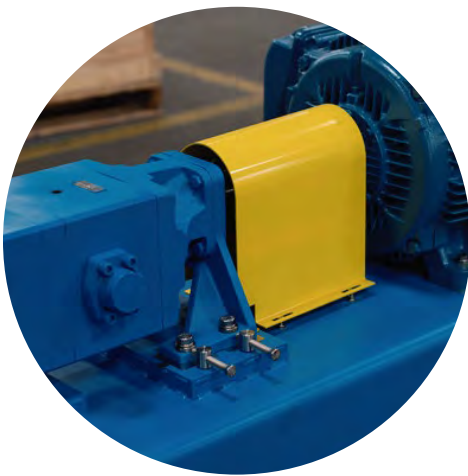
## Custody Transfer and Fiscal Measurement Systems

Solution that has all the elements and equipment properly integrated in a skid to comply with all applicable regulations.

### Applications

- Fiscal Measuring Systems for Petroleum Products.
- Fuel, Ethanol and Biodiesel Loading Systems.





#### Fluids:

- All varieties of refined fuels & lubricants
- Resins & polymers
- Alcohols & solvents
- Asphalt, bitumen & pitch
- Polyurethane foam (isocyanates, polyols & additives)

## Skid Mounted Pump Packages



Positive displacement and Centrifugal Skid mounted pump systems include a pump and a driver such as an electric motor or diesel engine coupled together and mounted on a common steel baseplate. The pump skid is custom-designed, assembled and tested in house and ready-to-operate for oil transfer applications.

These systems can be provided with UL-CSA electrical control panels and include all strainers, check valves, and relief valves necessary for a reliable and robust operation.

Our responsibility starts from the design right through the commissioning.

#### Applications:

- Oil & Gas
- Petrochemical
- Chemical Industry
- General Industry
- Food products such as corn syrup, chocolate & peanut butter
- Paint, inks & pigments
- Soaps & surfactants
- Heat transfer fluids



**ferrumenergy.com**

- ✓ Actions with Values
- ✓ Quality and Technology
- ✓ Customized Solutions
- ✓ Wide Coverage
- ✓ Attention Guaranteed

**[info@ferrumenergy.com](mailto:info@ferrumenergy.com)**

**USA - Houston, TX 77070**  
20333 State Hwy 249 Suite 200  
Phone: + 1 281.469.1423  
Fax: +1 281.671.6601  
Cel: +1 713.344.4810