

KEETER SUTHERLAND LLC

Pipeline and Storage Terminal Experts



PIPELINE ASSET INTEGRITY MANAGEMENT

- ❖ INSPECTION
- ❖ PROTECTION
- ❖ DETECTION
- ❖ REPAIR

Pipeline Asset Integrity Management

Mission

- To provide a holistic approach to preserve and monitor the integrity of pipelines using experienced certified technicians and state of the art technology.

Objective

- We offer our valued clients all the necessary services and equipment needed to prevent and/or solve pipeline problems, both short term and long term.

KEETER SUTHERLAND LLC

Pipeline and Storage Terminal Experts

- **KeeterSutherland LLC has over 35 years of experience in the Oil and Gas Industry. We have designed, constructed, and operated Pipeline Systems and Storage Terminals in many parts of the world.**
- **Areas of Expertise:**

Pipelines

- Natural Gas
- LPG
- Refined Products (gasoline, diesel, jet fuel, etc.)
- Crude Oil and Condensate
- Water and Brine

Storage Terminals

- Crude oil
- Refined products.
- LPG
- Ship/barge/rail/truck loading and unloading
- Fractionation & Salt Dome Storage

Compressor Stations & Pump Stations

- Natural gas.
- LPG
- Refined Products
- Crude Oil & Condensate
- Water & Brine

Certified Training

- SMRP Approved Training Courses
- STLE Approved Training Courses
- CBM “Condition Based Maintenance”
- CMRP - Certified Maintenance & Reliability Professionals
- Other Internationally Recognized Training Courses Available

Certified Training

Approved SMRP Provider

Society for Maintenance &
Reliability Professionals

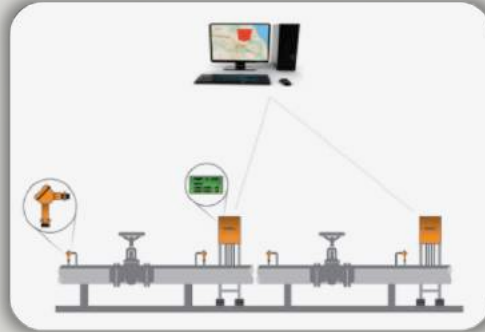
- Internationally Recognized. High Quality Content. Highly Qualified Professional & Knowledgeable Instructors. Clear, Measurable Learning Objectives.

Approved STLE Training

Society of Tribologists &
Lubrication Engineers

- CMRP – Certified Maintenance & Reliability Professionals
- CMRT – Certified Maintenance & Reliability Technician
- CLS – Certified Lubrication Specialists
- OMA – Oil Monitoring Analyst

Pipeline Asset Integrity Management Components



1.
Inspection
and
Condition
Assessment

2.
Pipeline
Monitoring

3.
Programmed
Maintenance
and
Protective
Actions

1. Inspection and Condition Assessment

**Pipeline
Appropriate
Serviceability.**

Assessment of
Facilities.

**Pipeline
Service Life
Cycle**

Evaluation of
Data
Gathered.

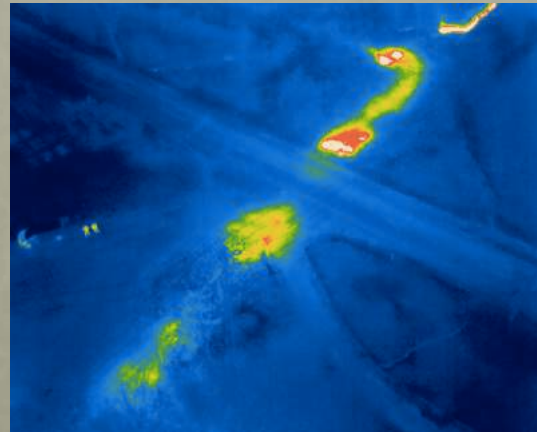
Techniques:

Smart Pigging.

Non
Destructive
Testing.

Aerial
Inspection
Solutions.

Infrared
Thermography
Data
Collection.



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2. Pipeline Monitoring



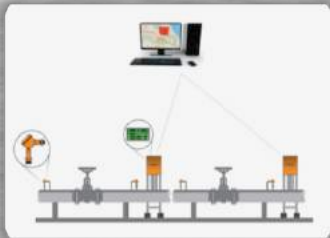
Aerial Inspection Solutions

- Aerial Photography
- Inspection Drones.
- Infrared Imaging.



Scheduled Non-Destructive Testing Monitoring

- Inductosense Technology.
- Traditional NDT



Remote Leak and Theft Detection

- Asel-tech Leak Detection System
- EFA Technologies
- Others as may be required depending on circumstances

3. Programmed Maintenance and Protective Actions

Prioritization based on condition assessment

Evaluate Options for Corrective Action

Develop Repair/ Replace Decision Protocol

Rehabilitation Planning Matrix

Maintenance

Prevention

Emergency



Rydlyme Marine



Multi Metal



Seal Ball



Monti



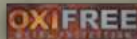
Electrochemistry



Tapeglass



Hold Blast



Oxifree



MultiMetall

Technology Suppliers Include:



KEETER SUTHERLAND LLC

Contact Us

KEETER SUTHERLAND LLC

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