Harnessing the Energy and Resources Native to our Planet.
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MISSION

Our mission is to be a high performance, high quality, and responsive services company. We strive to be rated as a preferred vendor by our customers.

VALUES

1. Our People: We create a team of employees that embraces our culture of quality and customer service. Our employees exemplify hard work, safety, quality and teamwork to accomplish our goals. We cultivate a company built on respect for each employee and a high degree of respect for our customers.

2. Our Customers: We provide products and services to our customers that are of the highest quality and insure we do not sacrifice quality to our customers. Our services are provided by our employees to our customers with a sense of urgency, competence, respect, and accuracy.

3. Our Community and Industry: We support the regional causes of the communities we serve as good corporate citizens. We encourage our employees to be volunteers in their communities. We operate in an environmentally and safety conscience manner to exemplify good stewardship within the oilfield and construction industry.

LICENSE

We are licensed to work in the following states:
- Montana
- New Mexico
- North Dakota
- Texas
- Wyoming
- Oklahoma
Native Energy Solutions performs with a culture of quality and efficiency to serve the oilfields. Our staff includes several Master Electricians with experience in all facets of facilities construction in the oilfield for upstream and midstream companies.

Native Energy Solutions is highly competent in new well site and production facilities electrification. We can assist our customers in designing the most efficient and cost effective electrical system for their facilities.

**SCAPE OF WORK WE PROVIDE FOR OUR CUSTOMERS:**

- Electrify various site process equipment such as LACT’s, SWD skids, VRU’s, Freshwater skids, SWD well equipment and pumps
- Install MCC’s and PLC’s to control locations
- Both low voltage and 3 phase installations to energize the location
- Traditional Conduit, armored CLX cables, Certified Fiber Optic cable installations
- Cable tray and raceways for armored cable
- Primary service distribution and switch gear
- Primary and secondary grounding on all facilities
- Enclosures, terminal blocks, fuse blocks, circuit breakers, panels
- Relays, controls, VFD’s, controllers, instruments, wireless instruments
- Trenching and site work to install all related equipment and materials
- Connect temporary generation or primary service connection to local utility
- Maintenance of existing wells, plants and equipment
- Infrared Inspections for all electrical and mechanical equipment
Native Energy Solutions partners with tier one manufacturers to provide design solutions and equipment to address the critical needs of oil and gas facilities. We provide high quality service to ensure a reliable and safe automated environment for locations.

COMMON THREATS TO ONSHORE WELL PERFORMANCE

**WELL INTEGRITY**
An increase in either the annulus or bradenhead pressure can result in a well shut-in, increased workers, or a potential safety/environmental incident.

**HEALTH & SAFETY**
Manual monitoring and repairs increase time in the field, resulting in elevated personnel risk and more exposure to site-related hazards.

**COMMUNICATION**
Lack of timely and reliable communication leads to deferred/lost production and increased costs.

**ENVIRONMENTAL**
Leaks caused by mechanical failures can have an environmental impact. Early detection of abnormal conditions such as sand and erosion can help avoid leaks and their consequences.

**MAINTAINING SECONDARY RECOVERY**
Non-monitoring of injection rates can lead to increased operating costs and in certain cases, decreased recovery efficiency and reduced production.

**CHANGING PRODUCTION**
A change in the flow of pressure or temperature can indicate a reduction in flow leading to decreased production or wellbore damage.
PLC
- Installation
- Programming and Software Development
- Alarming and Remote Monitoring

MOTOR CONTROL CENTERS
- VFD Controls
- Soft-Starters
- Electronic Overload Relays

TANK LEVEL SYSTEMS
- Continuous Monitoring of fluid levels
- High Level Alarms
- Actuated Valves

SEPARATORS
- Fluid and Gas flow monitoring
- High Level Alarms
- Pressure
- Temperature

COMPRESSORS
- Control Panel Data
- Run Status
- Pressure
- Temperature
- Gas Lift Controls

WELLHEAD
- Casing/Tubing/Surface/Flowline Pressures and Temperatures
- Valve Actuation
- Plunger Lift
- ESD
- ESP Monitoring
- Pumping Unit monitoring

CHEMICAL INJECTION OPTIMIZATION
- Fluid Level Monitoring
- Chemical Temperature
- Injection Optimization to match well production.

FLARE STACK
- Flare Sensing

ADDITIONAL
- Heat Trace
- Gas Detection
- Fire Detection
- Ventilation Systems
AUTOMATION AND PROGRAMMING

- Project Management
- Standardization initiatives
- SCADA system design and maintenance
- Fiber installation and maintenance
- Leak detection system design
- Network design
- Process control programming and troubleshooting
- FreeWave network design configuration
- XSPOC server administration and site installation
- TMS terminal software configuration
- P&ID development and interpretation
- Lantronix terminal server programming
- Daniel’s Gas chromatograph maintenance and troubleshooting
- N-Tron radio network design
- WonderWare
- CygNet
- Honeywell DCS administration
- Allen Bradley PLC 5
- Allen Bradley RSLogix 500
- Allen Bradley RSLogix 5000
- Allen Bradley HMI Development
- Panel View HMI Development
- Studio 5000
- Factory Talk View Studio
- Factory Talk View ME
- Factory Talk SE
- Panelbuilder 32
- Radar Configuration Tools
- Rosemount Radar Master
- Rosemount Transmitters
- Red Lion Crimson
- Fisher ROC processor configuration
- Eaton drive configuration
- GE Fanuc PLC programming
- Mitsubishi PLC programming
- Siemens PLC programming
- Texas Instruments PLC programming
- VFDs
- Valve actuators
- Flow computers
- Data Liners 10, 20, 40
- RSSQL
- FactoryLink
- Momentum
- Quantum
- M340
Communications

As remote monitoring and control becomes more prevalent in the oil and gas world Native Energy can provide robust solutions to those hard to reach locations through a variety of communication products and services.

SCADA COMMUNICATION INSTALLATION AND SUPPORT

- WIRELESS NETWORK DESIGN
- FIBER OPTICS COMMUNICATION
  - Multi-mode
  - Single-mode
- WIRELESS SYSTEMS
  - Microwave (2.4/5.8 Ghz)
    - Cambium
    - Ubiquiti
  - Point to Multi-point/Point to Point (900 Mhz)
    - Freewave
    - MDS
    - Xetawave
    - GE
    - Ubiquiti
  - Mesh
    - Tropos
- ADDITIONAL SERVICES
  - Video Surveillance
  - Network Health Monitoring
Native Energy designs, constructs, maintains, and restores electric power infrastructures for the complete electric supply chain.

SCOPE OF WORK WE PROVIDE FOR OUR CUSTOMERS:

- New construction on power lines from single phase to 3-phase to double circuit
- Reconduct work
- Primary underground
- Secondary services
- Conversions
- Maintenance
- Pole change outs
- Work on voltages that range from 7.2 kv to 34.5 kv
- Work on transmissions ranging from 69kv to 138kv.
- New construction
- Rebuilds
- Conversions
- Maintenance
- Troubleshoots and call outs
- Hot sticking energized transmission services
Native Energy emergency restoration crews are typically one of the first to respond and last to leave. The company is committed to restore power in a timely and professional manner to those in need.

**SCOPE OF WORK WE PROVIDE FOR OUR CUSTOMERS:**
- Rapid Response
- Customer Centered Service
- Experienced Team
- Quality Fleet

**WHAT WE PROVIDE FOR OUR CUSTOMERS:**
- Service Trucks
- Buckets that range from 30-120’
- Digger Derricks that range from 45-65’
- Pressure Diggers
- Track Equipment
- Dozers
- Backhoes
- Mini Excavators
- Boring Equipment
- Rock Saws
- Haul Trucks
- Trenching Equipment
- Rope Rigs
- Tensioners
- Material Trailers
- Pole Trailers
- ATV’s
Infrared inspection is the method of using thermal or heat imaging systems that detect heat and display these images on a TV type monitor.

The infrared image, or thermogram, is a physical evidence of the thermal anomaly that was found during the inspection, and is always the main feature in thermography reports. The infrared image provides surface temperature patterns, which point to problem areas, and defects in equipment. Hot areas appear as a lighter color and cooler areas appear as darker colors.

In production plants, office facilities, hospitals or oilfield locations, an infrared camera instantly makes hot spots visible on a clear thermal image.

You can scan electrical motor control centers and components and survey multiple wires and connections to get an instant picture of potential trouble, detecting the problem area and repair it before real problems occur. These problems cause downtime and production losses in thousands of dollars.

Hydrocarbon based gas leaks in production and processing facilities are easily and safely detected with the gas infrared camera with pinpoint accuracy.
At Native Energy Solutions, “Safety First” is our safety policy. Our Employees are our greatest resource and we are proactive to insure we protect them and operate in a “zero tolerance” for incidents manner.

WE WILL ALWAYS APPROACH ALL OF OUR WORK AND PROJECTS WITH OUR HEALTH, SAFETY, AND ENVIRONMENTAL GOALS:

1. No accidents and no injuries to people.

2. No harm or damage to the environment.

3. We comply with all applicable rules and regulations for safety.

Our safety polices, rules, and procedures are constantly updated and strictly enforced throughout our company. Attention is given to applicable OSHA regulations to ensure compliance is maintained at all times.

Native Energy Solutions, LLC is a proud member of both ISNetworld and PEC.
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