



OIL & GAS GUIDE TO
100%
PAPERLESS
MATERIALS MANAGEMENT
WITH **MOBILE BARCODING**

RFgen



AN ENTRENCHED INDUSTRY IN CRISIS

The oil and gas industry has endured significant challenges in recent decades. Rising global demand in a climate of price volatility, along with political and economic uncertainty, add to mounting supply chain pressures, thin operating margins, and tightening regulations. These stressors, combined with an industry entrenched in obsolete manual processes, are driving organizations to offset rising costs with technologies that save money and add value.

Managing inventory and high-value assets spread across vast geographical areas and remote locations is a major challenge for oil and gas companies, creating a need for real-time tracking solutions like mobile barcoding. Operations that fail to modernize their inventory and asset management practices lose thousands or millions of dollars each year without realizing these cost leaks exist. They also risk falling behind the competition in a highly aggressive market.

WHY MANUAL TRACKING IS PROBLEMATIC

Working in oil and gas, you know that inventory lies at the heart of everything you do, from tracking bolts and lubricants for maintenance to managing expensive replacement parts for pipelines in the field. Yet, many oil and gas companies continue to struggle with keeping track of materials, MRO inventory, assets, and other critical parts across large geographic areas.

Traditionally, inventory is tracked by manual processes, such as paper slips written by hand, human memory (“tribal knowledge”), or manually keying data into spreadsheets or your ERP. Because manual processes are slow and opaque, you have minimal visibility into stock levels or locations. Finding lost inventory and reducing costly downtime are problematic. Meanwhile, you are hemorrhaging money.

Only businesses using real-time mobile inventory solutions can solve these challenges, gaining live, up-to-date visibility into movements, stock levels, location, consumption, and more, even in remote areas lacking live network connectivity.

\$100K/YR
COST OF PAPER
TRACKING

HOW TO TAKE CONTROL WITH MOBILE BARCODING

Oil and gas companies of all types are embracing technologies like mobile barcoding to solve challenges in materials management. In addition to achieving real-time control and transparency, adopters can support safety, sustainability, and significant cost savings as well.

Mobile Barcoding for Oil and Gas

Mobile barcoding is a powerful technology that combines enterprise mobility for the supply chain and a barcoding system that automates manual processes. Barcodes can be generated, printed, and scanned at point-of-work using mobile devices, such as tablets and handheld computers, automatically collecting data and transacting against your ERP in real time with simple, validated steps. Mobile barcoding puts an end to guesswork and outdated information.

For remote environments, offline data collection solutions can prevent disruptions in work, connecting disparate oil and gas enterprises into one digital environment, including RFID and machine-to-machine integration.

Mobile barcoding provides the same granular level of control, oversight, and operational efficiency as modern warehouses and manufacturers have for their inventory. Whether employees are on-site in a refining facility or stationed at an offshore platform, mobile barcoding solutions enable work completion anywhere, anytime, 24/7/365.

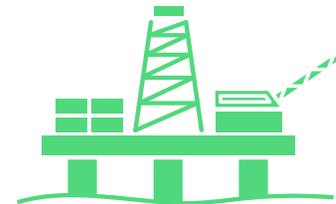
HOW MOBILE BARCODING SOLVES CHALLENGES IN OIL AND GAS:

- ▶ 24/7 Visibility in facilities in the field
- ▶ 99.99% Accuracy or higher in real time
- ▶ Maximize asset uptime
- ▶ Enhance safety and traceability compliance
- ▶ Stop lost data, material, and productivity

Enhance Your Materials Management

Almost any inventory handling process can benefit from mobile barcoding. For example, it can help you optimize movements for:

- ▶ Drilling, extraction, and mining operations
- ▶ Bulk receiving, storage, and consumption of raw materials
- ▶ Refining or recovery of natural gas into finished products
- ▶ Discrete and process manufacturing visibility
- ▶ Allocating equipment, tools, parts, and consumables
- ▶ Managing inventory and equipment in the field
- ▶ Transportation, resupply, and delivery of bulk product



SUCCESS STORY

GLOBAL LNG EXPORTER

Gains Real-time Inventory

Our customer, a global exporter of liquefied natural gas, struggled to manage maintenance inventory with paper-based processes. Even basic tasks were slow, cumbersome, opaque, and costly.

Mobile barcoding helped automate inventory movements for MRO, boosting visibility, accuracy, labor utilization, and increasing materials management speed by 400%.



Click or scan the QR code to read the full story.



DON'T GET LEFT BEHIND. TAKE THE NEXT STEP.

For oil and gas companies to survive the emerging economic climate, they must continue to adapt by digitizing outdated inventory processes. Adopting cost-efficient solutions like mobile barcoding is a crucial next step in that evolution. That's why you need a mobile partner you can trust. For more than three decades, RFgen's highly experienced consultants have guided our exceptional customers with their deep understanding of your industry's challenges. Begin your journey toward a more profitable business today.

For more information, contact:

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