

AssetGather for the Oil & Gas Industry

RFID-based asset tracking and maintenance solutions



Businesses in the oil and gas industry own or lease a variety of physical assets such as pipes, crossovers, down-hole equipment, pressure control equipment, well logging equipment, storage containers and other field equipment. Some companies rent or lease these assets to their internal and external customers. The success of these businesses depends on maximizing the value of their assets, while at the same time, minimizing the cost of ownership of their assets including ensuring safe operations and proper maintenance of the equipment. It is important for them to have a complete picture of their assets, including insight into the utilization, allocation, operations, maintenance, safety and regulatory testing of each asset. However the reality is that at any given instant a company may have its assets spread across multiple storage yards and customer jobs making it difficult to keep inventory information updated and reconciled and to ensure that maintenance and safety procedures are executed and recorded.

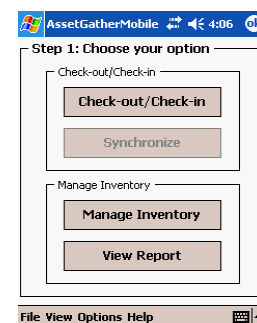
The AssetGather Solution:

AssetPulse's AssetGather for Oil and Gas provides Energy companies with a comprehensive, robust solution to meet their asset tracking, maintenance and safety monitoring needs. The solution consists of:

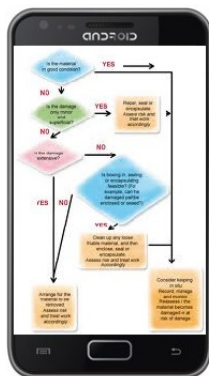
- Robust, **ruggedized RFID tags** that not only allow for rapid and accurate inventory visibility, but also can be used to store maintenance history of the asset. AssetPulse has a wide variety of tags that can withstand the harsh environments that oil and gas assets are subject to, including extreme high and low temperatures, high pressure, moisture, chemical exposure, mechanical impact, shock and vibration. Several tag mounting mechanisms are available including adhesives, welding or riveting.
- **Ruggedized RFID scanners** and Smartphone/ tablet based scanners to allow for field personnel to efficiently and accurately record and research data. Explosion proof certified scanners are also available as an option.
- **AssetGather server software** allows personnel to gain visibility into inventory, and to be able to obtain reports on past and future maintenance and safety records. This web based application with its user friendly user interface also includes a robust rule engine that allows for sophisticated business process rules and alerts to be configured.
- **AssetGather Mobile software**, running on the RFID handheld readers, smart phones and tablets to aid field personnel in performing their daily operations in an efficient and proactive manner.



Specially designed custom RFID tag



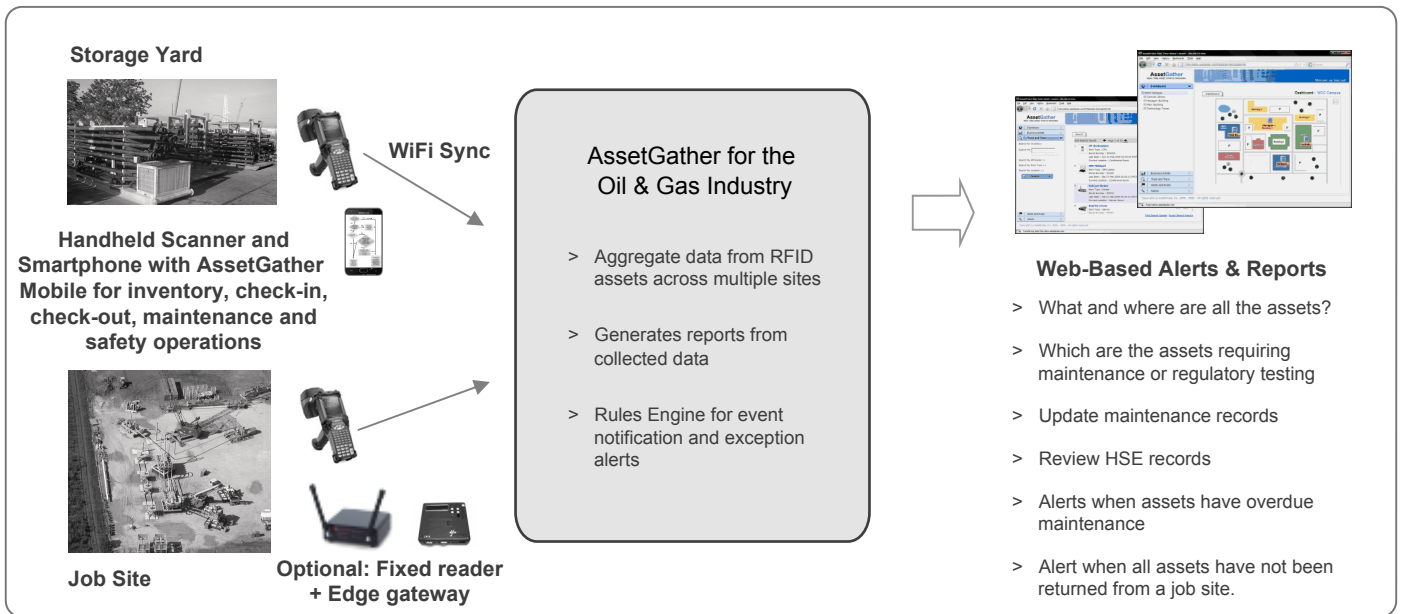
AssetGather provides fast inventory, check-in, check-out and reconciliation functionality using portable handheld RFID scanners



Maintenance and Safety management application on your Smartphone

AssetGather Mobile software running on the handheld scanner can be used to quickly scan the RFID tagged equipment to perform inventory or to check- out items to a job, much faster than is possible with bar-codes or manually. The data can then be wirelessly transmitted from the handheld to the central AssetGather server. The server can collect data from multiple handheld units at storage yards or job sites.

Optionally, a fixed RFID reader could also be deployed at one or more locations which would allow automatic inventorying and real-time tracking of all the equipment present at the site. This real-time data can be sent over the GPRS (cell phone) network to the central AssetGather server which can simultaneously aggregate data from the handheld and the fixed RFID readers from multiple locations, even if the RFID technology used is different (for example Active RFID). GPS can be integrated into the system to provide the exact geographic location of the assets.



Features and Benefits

AssetGather is designed to be easily deployed so that you can realize the following benefits immediately

- **Improved asset visibility - Rapid Inventory, check-in, check-out and reconciliation**

Asset data can be collected simultaneously from many sites and synchronized to a central server to provide benefits such as real-time asset visibility, improved asset utilization and optimal capital expenditure planning.

- **Asset Maintenance**

Track maintenance of all your assets accurately. Be proactively notified of upcoming maintenance and be alerted when maintenance is overdue. Obtain historical maintenance records.

- **Secure access from anywhere**

The web-based interface of AssetGather enables secure access from any web browser. Map layout, graphs and reports are customizable. Reports can be exported to MS Excel and other systems.

- **Configurable Rules based alerting**

Email or SMS alerts can be set for equipment not returned from the job, for regulatory maintenance on equipment being due, and more...

Learn More

To learn more about our asset tracking solutions, please contact us to schedule a demo or a free consultation session.

System Components

AssetGather for Oil and Gas provides and integrates with the following components

- **RFID Tags**

Passive EPC Class 1, Gen 2 RFID Tags. AssetPulse provides tag selection service, to provide customized RFID tags for drill pipes and other equipment of the Oil and Gas industry.

- **RFID Scanner with AssetGather Mobile Software**

Handheld portable RFID readers, Smartphone or tablets with AssetGather Mobile software

- **AssetGather Server Software**

The AssetGather server software can run on any server configuration with a minimum of 2 GB RAM and 20 GB of disk space, running Microsoft Windows Vista or higher, Linux.

- **Browser Support**

AssetGather reports can be displayed on any version of Internet Explorer, Chrome or Firefox Browser.

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