



# Global Pipeline Monitoring System (GPM)

## Pipeline Monitoring

**Global Production Solution's** Pipeline Rupture Detection provides operators and landowners peace of mind. Have confidence that catastrophic fluid spills due to pipeline failure is minimized or prevented. The **GPS Pipeline Monitoring System** uses flow input/output coupled with operating pressure behavior to detect when a pipeline rupture has occurred. This is particularly important at remote locations and where right of way has been granted by landowners.

## Realize Operational Cost Reductions

In a case study, the **GPS Pipeline Monitoring System** has more than paid for itself by detecting a pipeline rupture and shutting down the pump. Without the **GPS** system, the pipeline rupture could have gone undetected for hours or days. This customer has also realized operating cost reductions through insurance discounts because the pipeline is monitored.

## Prevents Catastrophic Spills

If a pipeline rupture is detected, the delivery pump is turned off, alarms indicated and optionally, an SMS alarm sent to a cell phone. Pipeline rupture is detected by the system monitoring the flow input and output of the pipeline while assessing expected pressure characteristics at the entry point and exit point of the pipeline.

## Custom Configured by GPS for our Customers unique applications

**GPS** engineers will analyze your pipeline based on size, elevation changes, pipe material, product density, and pump characteristics then customize a solution that is right for our customer's unique pipeline. **GPS** will engineer a communication link between the origination and destination points of the pipeline for whatever distance or terrain is traversed by the pipeline. **GPS** has a broad variety of communication solutions from cellular, point-to-point, or mesh networks.

The **GPS Pipeline Monitoring System** is easily configurable through a touch screen and all parameters, alarms, and process values are easily accessed. **GPS** will analyze our customer's pipeline characteristics to tune the monitoring system under nominal operating characteristics. If monitored operational characteristics show a deviation outside of expected limits, the pipeline will be safely shutdown, minimizing any spill that may have occurred. Should our customer make modifications or flow/pressure adjustments, the **GPS Pipeline Monitoring System** can be easily calibrated to properly monitor the changing process conditions.

## GPS Provides Comprehensive Solutions

**GPS** is your one stop shop for oilfield fluid handling systems, from pumps and hardware, to automation and communications systems. Pipeline monitoring functionality can be added to **GPS's** comprehensive field overflow prevention systems to provide a single vendor, complete solution for our customer's fluid handling needs.



*"The Global Pipeline Monitoring System I purchased from GPS paid for itself in reduced insurance premiums alone"*

- MID CONTINENT OIL & GAS PRODUCER



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