

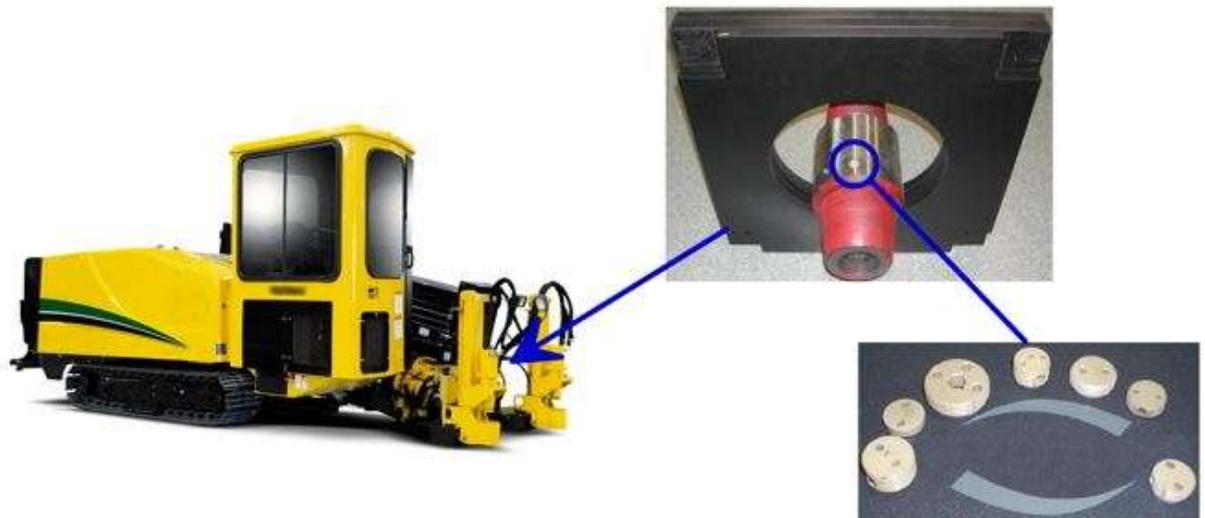
## Horizontal Drilling Monitoring System

### Stop throwing capital down the hole by tracking individual drill pipe usage!

Each piece of pipe that makes up a drilling rod has a finite life that is based on the time it is in active use, and thus, it is not unreasonable to think that there should be an accurate way to determine its activity. Yet until now, there has been no effective way to get this information. Most companies use an overly simplistic estimate – after a set amount of time, the pipe is replaced. The pipe may have been used 10 times in that period of time, or 1,000, but with no way of knowing the number, it gets tossed away. Furthermore, since most pipe segments are kept in groups of pipe racks, it's not a matter of one singular pipe segment being replaced at the end of the time period, all the pipes in that grouping are replaced in one go. Companies are literally throwing away thousands upon thousands of dollars every time pipe racks are replaced.

The answer to this problem seems straight forward. If you know how long each individual pipe segment has been in use, you can determine which individual segments need to be replaced.

- Accurately tracks the active duty time of pipes, racks and groups
- Improves record keeping
- Improves efficiency
- Decreases costs
- Eliminates waste caused by disposing of pipes that have not reached their end of life
- Easily deployed
- Does not interfere with drilling machine operation



Libramation's Drillsys system does just that! By utilizing RFID technology, Drillsys allows you to track each individual pipe and exactly when it was in use. Each segment of pipe has an RFID tag that is programmed with the pipe's serial number embedded into it. A specially designed round reader fits onto your directional drill, and as pipe segments pass through the reader, the tag is read and logged in the software. This enables the solution to track when the pipe entered the ground, and when it was removed, which allows the usage of the specific pipe to be tracked for an individual project, as well as a cumulatively over the span of many projects. The tag number is also associated to specific racks and groups. At a glance, the software can tell you not only which pipe is nearing the end of its cycle, but can track the usage of specific racks and groupings if required.