



COMPANY OVERVIEW

In the oil and gas industry and generally speaking in process industries, measurements are the foundations to control production and ensure safe and efficient operations.

Nowadays, most of the process measurements (temperatures, pressures, flows, etc) are digital. Those data are gathered and routed to control systems and end up in historian databases (process historian, tank historian, etc) where they are archived under different formats (decimal, binary, text, etc) and different engineering units at a relatively high frequency (one measurement or more per second).

Some measurements are still manual however and those end up in different types of databases - lab databases, production databases, files, etc but at a lower frequency (one per hour).

This leads to a situation where measurement data are stored disseminated, unstructured and unqualified.

In this context, it is always a difficult task for monitoring engineers to gather data with a view of gaining an utterly comprehensive and reliable picture of operations. And even if this is achieved, it is usually a long time after appropriate action should have been taken.

Handling the ever increasing amount of data require the monitoring and appreciation of data quality over time... since poor data mean poor decisions which in turn mean profit losses or just losses.

To quote Sun Tzu: *“The **rule** is that the **winning general** is the one who is **best informed**”.*

Being able to gather information and assess its quality in near real-time mode is the challenge for which WideTech provides solutions, thereby enabling informed and better decisions to be made at the right time.



Improve the maintenance of instrumentation and equipment
⇒ Reduce risks of operation (failures, unwanted shutdowns, etc)



Monitor process performance
⇒ Reduce performance losses and find ways of improvement



Provide quality data – both for production or energy accounting
⇒ Reduce time spent on turning information into assets