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Thanks, Rajeena!



Product 815DT Differential Pressure Transmitter
The Application Chemical Injection Skid

Challenge An inexpensive way to accurately measure the level in a tank was needed on a chemical injection skid used to inject corrosion inhibitors into oil wells. Low power usage of the device was also required, as the skid could be placed in remote locations where power was not available. The chemical injection skid is used to enhance and optimize oil recovery. By injecting chemicals into the oil field, these chemicals prevent the corrosion of the oil lines and equipment, ultimately reducing the maintenance cost of the oil field.

Solution The SOR 815DT Differential Pressure Transmitter is a perfect solution for this customer's challenge. By taking the pressure at the bottom of the tank, the precise level of the tank can be determined using the high accuracy of $\pm 0.1\%$ of the 815DT sensor. The low side of the 815DT is vented to atmosphere because the top side tank itself is well vented. Also, because the customer does not require a local indicator on the 815DT, a low cost solution is provided to measure the level in the tank.