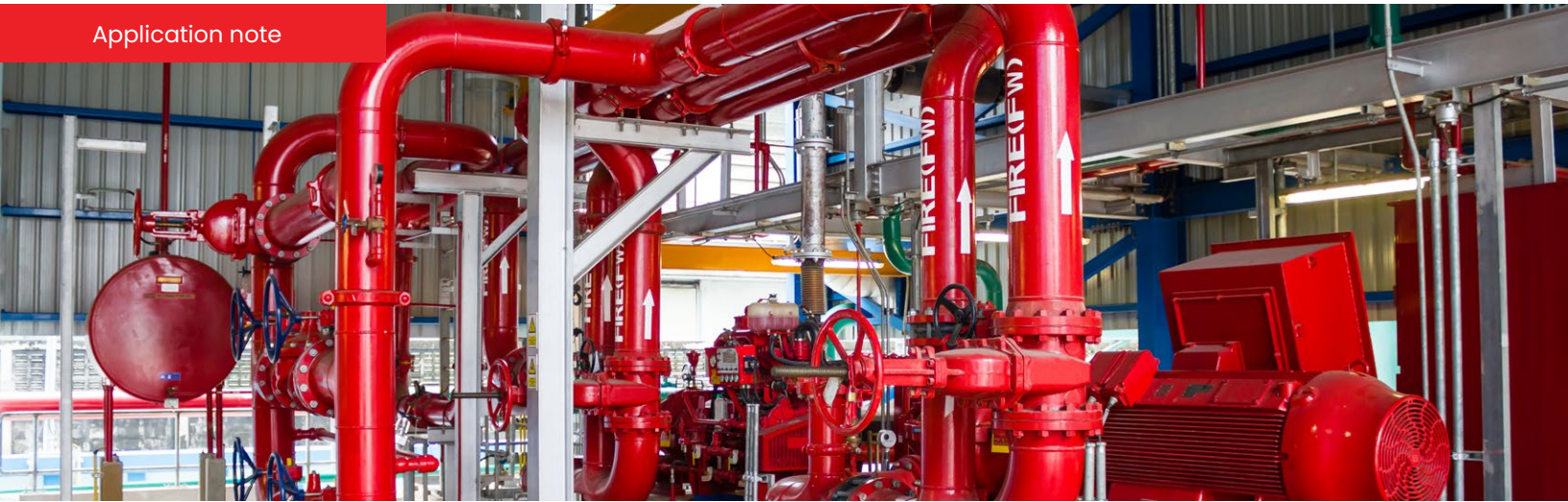


Application note



Assessing fire pumps efficiency and performance

Problem

An Electricity and Water Company from the Middle East have 400 substations broken down in 4 regional zones. They use Variable Area and Venturi flow meters on their fire pump lines to monitor the pump performance and efficiency against its specifications. They are experiencing instable readings from the VA meters and accuracy appeared questionable from both VA meters and Venturis. They were looking for an alternative solution to get the above challenges addressed while not involving any costly mechanical modifications.

Applications

Medium:	Raw water
Pipe sizes:	Various
Temperature:	Ambient

Solution

Our local channel partner took their Transport PT900 and ran a demonstration at 4 substations highlighting our meter's capabilities in terms of accuracy, performance and ease of use. The customer thereafter bought 1 unit in August 2018 given the very positive experience.

Customer has since used it in different substations and reported great successes for matching the meter readings with theoretical pump capacity as shown.

Benefits:

Transport PT900 is more stable and accurate than their permanent meters and helps them better assess the fire pump performances which is critical for safety.

An order for 3 additional units is on its way to get all 4 zones equipped.

