Monitoring inlet pressure for potable water
APPLICATION C166

Type of Company: Public Utility

Location: California

Potable water (drinking water) is water safe enough to be consumed by humans (or animals) or used with low risk of immediate or long term harm. Typical uses (for other than drinking purposes) include toilet flushing, food preparation, washing and landscape irrigation. Water is typically billed by volumetric (per usage) and metering of the water supply by the utility allows to it charge for water based on use, which is perceived by many as the fairest way to allocate the costs of water supply to users.
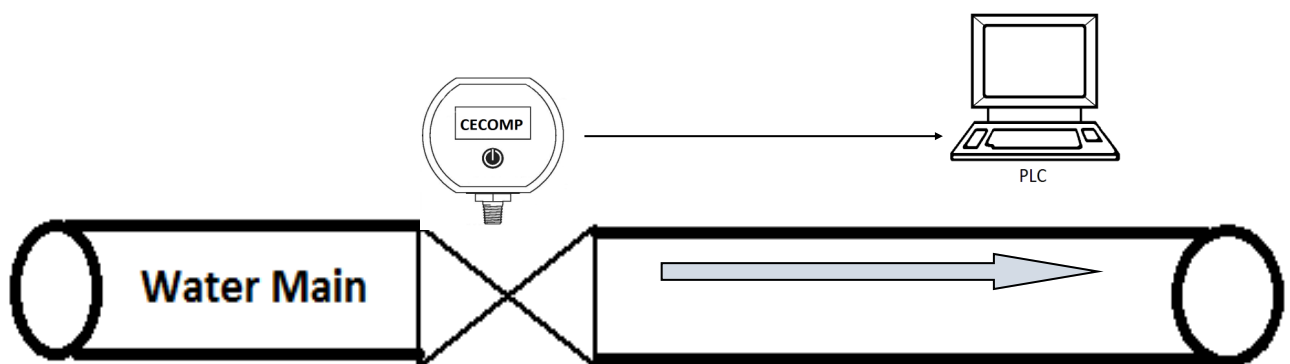

By Yuval Y - Wikimedia Commons

The Engineering Issue

The engineer has two requirements:

1. Visually monitor the inlet pressure for a military installation.

2. Log the pressure on a PLC for data logging, billing and alarm if low water pressure.

CECOMP

PLC

Water Main

The engineer used a Cecomp F16LN NEMA4X digital pressure gauge. The F16LN has both a visual indication and a 4-20 mA signal to send to the PLC for both data logging and alarming.

Problem. Solved.