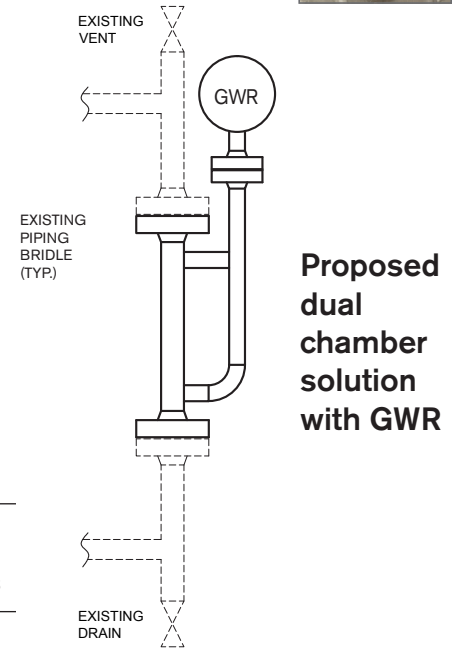




Existing  
in-line  
level  
controller

## Application Note

Submitted by Gary Miller from  
Experitec, Inc.  
Thanks, Gary!



**Product** Custom Chambers  
**The Application** Replace Old In-Line Level Controllers

**Challenge** During a plant upgrade, a power plant was looking for a way to upgrade old side-insertion, in-line level controllers with new top-mount technologies such as guided wave radar (GWR). It is difficult, expensive and time consuming to rework piping systems to accommodate a changed insertion point for the level sensor. Best practice is to find a way to adapt the new technologies to the same piping used for the outdated level controllers. This saves time and money while providing the many benefits of new level sensors and electronics packages.

**Solution** The mechanical engineers at SENSOR custom designed dual-chamber systems to adapt guided wave radar units into installations where direct top-mounting was not possible. Retrofitting the new chambers in place of the old level controller chambers was simple and straight-forward. The new chambers were designed to bolt in place without the need for cutting any welds or recertifying the piping system. The plant now benefits from updated level sensing technologies (guided wave radar) with minimal cost and effort.

