

Submitted by  
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SW CONTROLS, INC.  
Thanks, Joe!



**Product** 1100 Series Magnetic Level Indicator  
**Application** Feedwater Heater Level  
**Industry** Power Generation

**Challenge** A coal-fired power plant in Michigan was in need of a level controls upgrade for their #6 feedwater heater. The existing instrumentation being used was a pneumatic displacer and sight-glass. The challenge was customizing a dual chamber (MLI and radar) that would fit existing front and back connections and dodge all the existing interferences. Bottom-side clearance was limited. As shown in drawing below, process connections were 180 degrees opposed (front/back). Interferences dictated that primary chamber was radar and the secondary MLI chamber had to be precisely positioned to avoid interferences below.

**Solution** SOR was able to provide the exact solution required by the customer. The SOR 11130 with a radar bridle was supplied with all the required dimensions and process connection orientation. An extra long connection from the GWR bridle and MLI was supplied in order to avoid obstructions. SOR engineering was able to work off the sketches provided and then the end product fit perfectly.

