

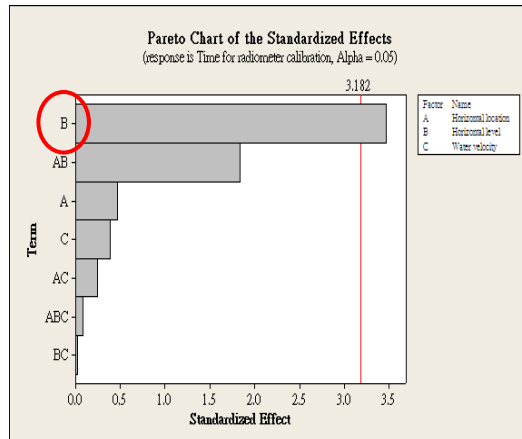
Title: *Tick, tock - Let's get started*

Problem:

A piece of equipment in the R&D lab was also used for production work. The calibration process required 150 minutes of tweaking and adjusting, every day. This reduced the availability of the equipment for production.

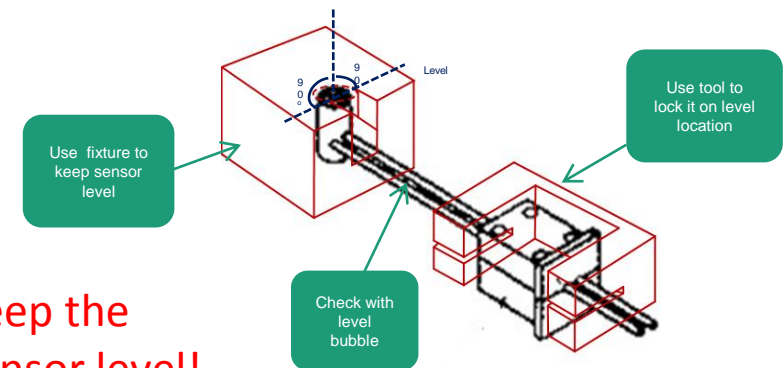
Analysis:

Using a classic DMAIC approach, the team identified likely factors that could affect the calibration process by creating a process map. Then the team performed a designed expert and determined the three factors that actually had an impact on the time to calibrate the equipment.



Countermeasure:

- A sign was posted outside the lab during calibration to assure that no one opened the door and affected airflow in the lab during calibration.*
- The team installed a fixture to hold the sensor in the proper position to eliminate adjustments*



Keep the sensor level!

Results:

Calibration time dropped from 150 minutes to 45 minutes, increasing production time by 32% every day.