



INNOVATING NUCLEAR TECHNOLOGY
ANALYSIS AND MEASUREMENT SERVICES CORPORATION

Slide Set #1
Day 1 – July 6, 2026
10:30-10:45am

*Background –
Reactor Noise Analysis in the Nuclear Power Industry:*
Real Life Applications

Presented by:

H. M. Hashemian, Ph.D.

*President & CEO
AMS Corporation*

*President
American Nuclear Society
2025-2026*



Presented to:

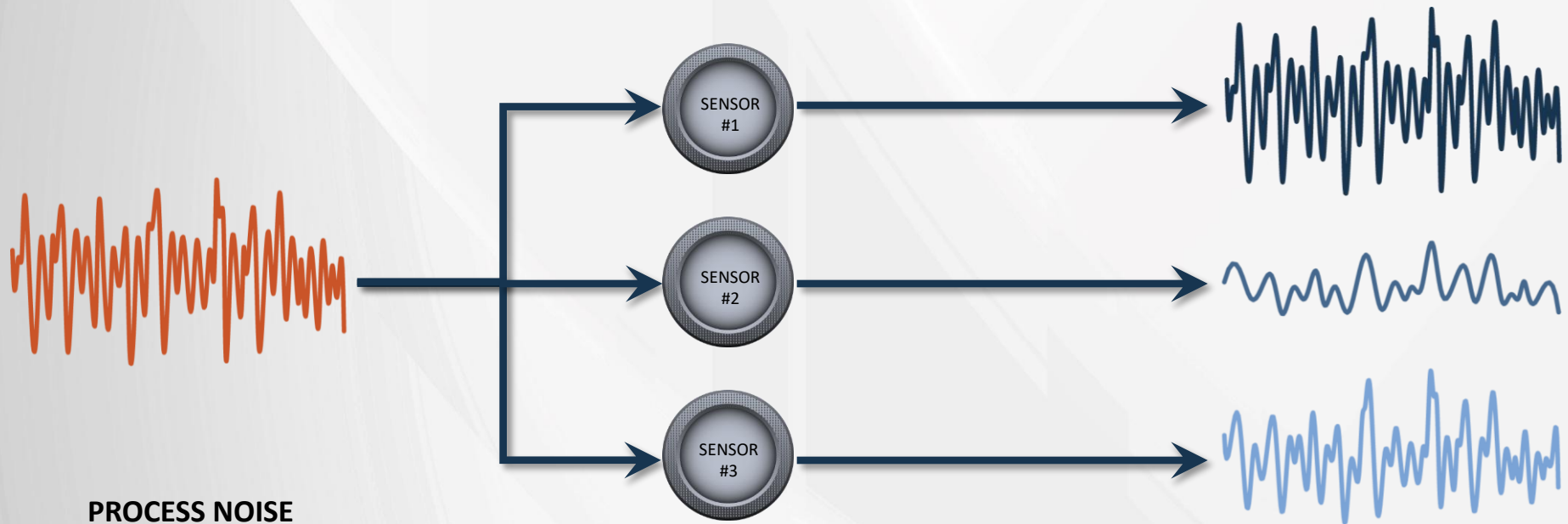
**33rd International Meeting
on Reactor Noise**
Grenoble, France



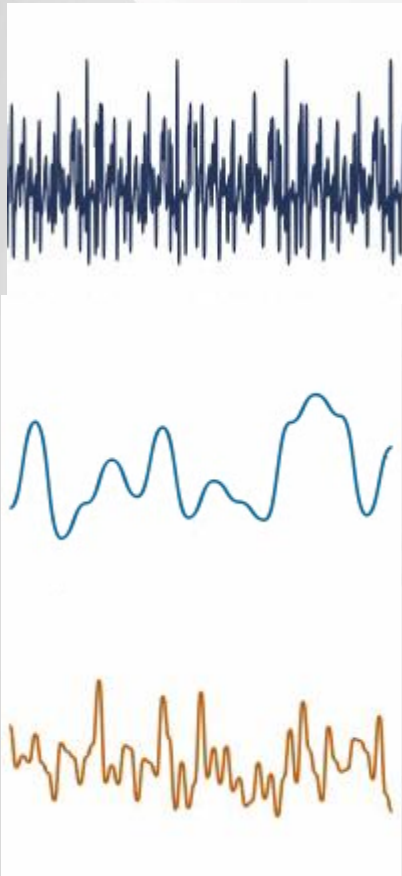
July 6, 2026



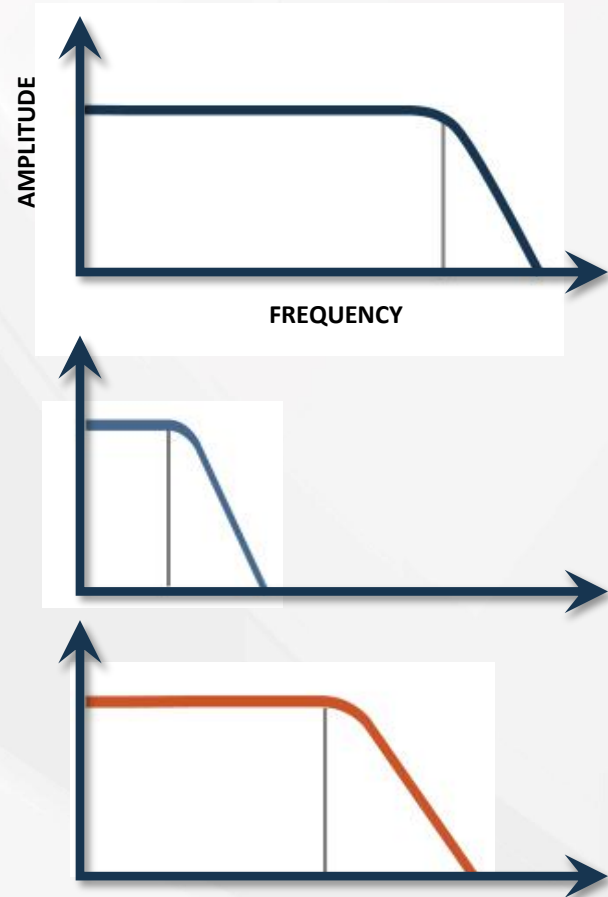
Educating the User



Raw Data



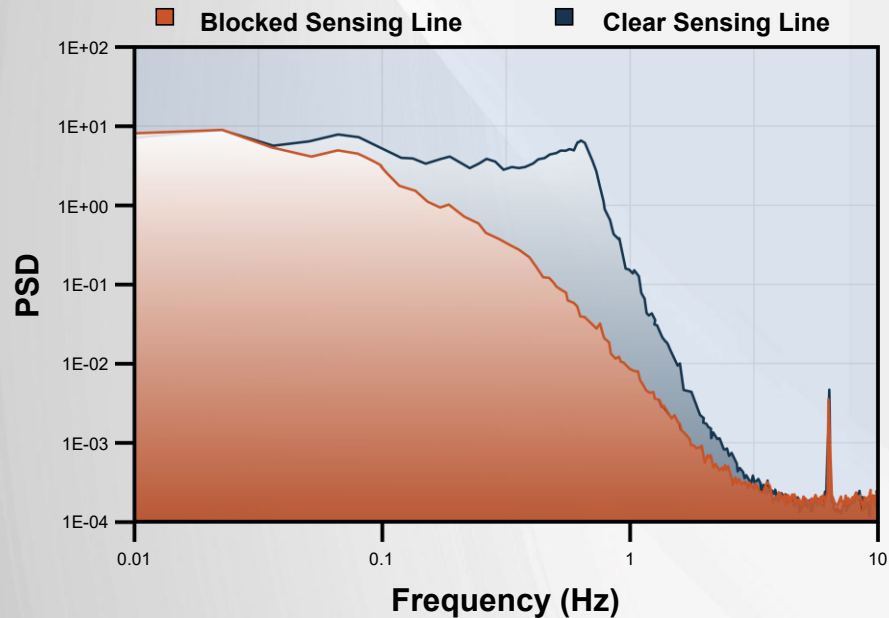
Signal Spectrum



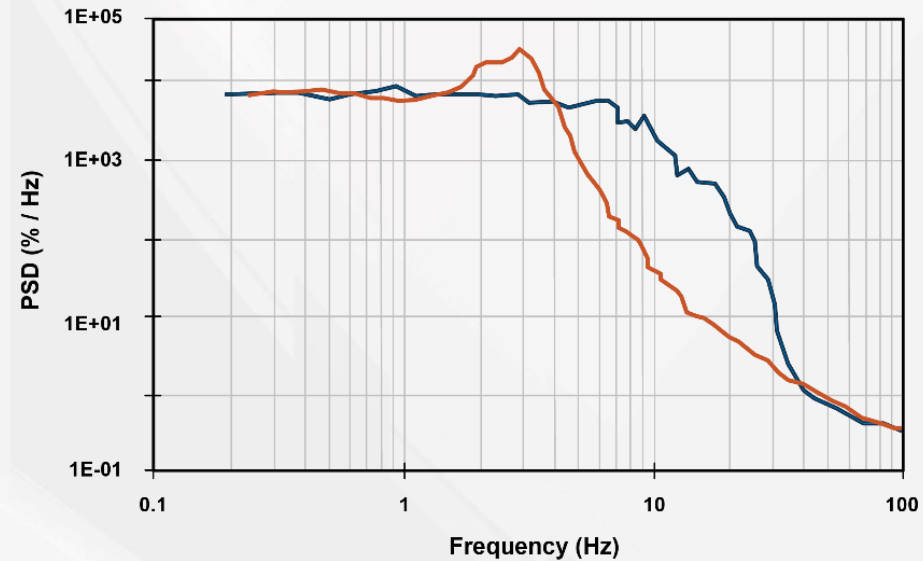


Detecting Blockages and Voids

Blockages

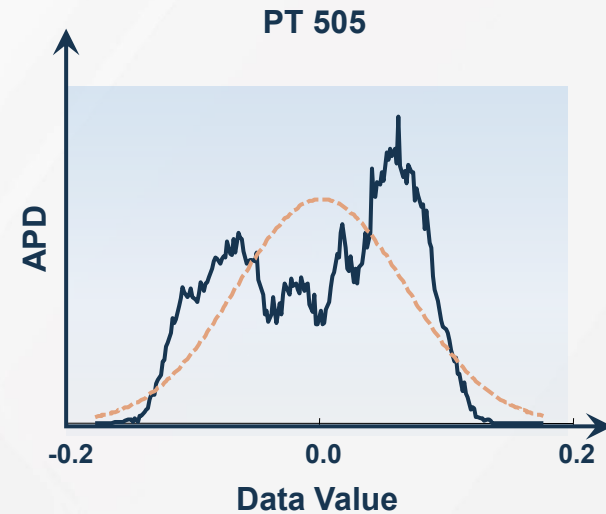
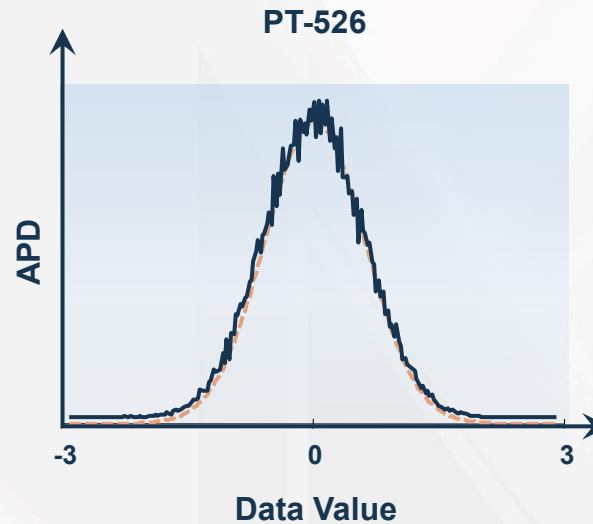
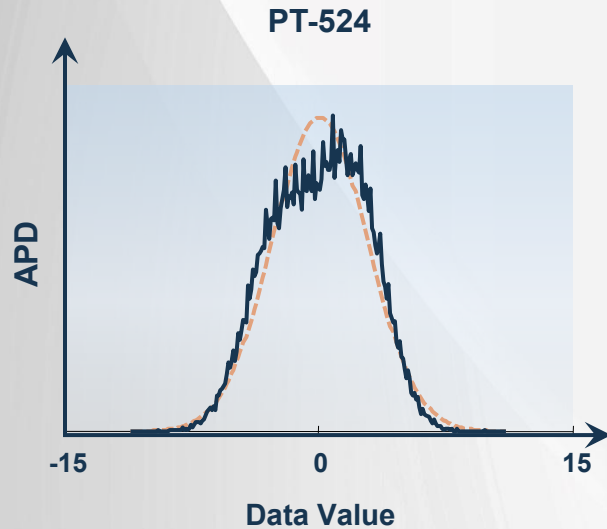


Voids





Validation of Noise Analysis for Transmitter Response Time Testing

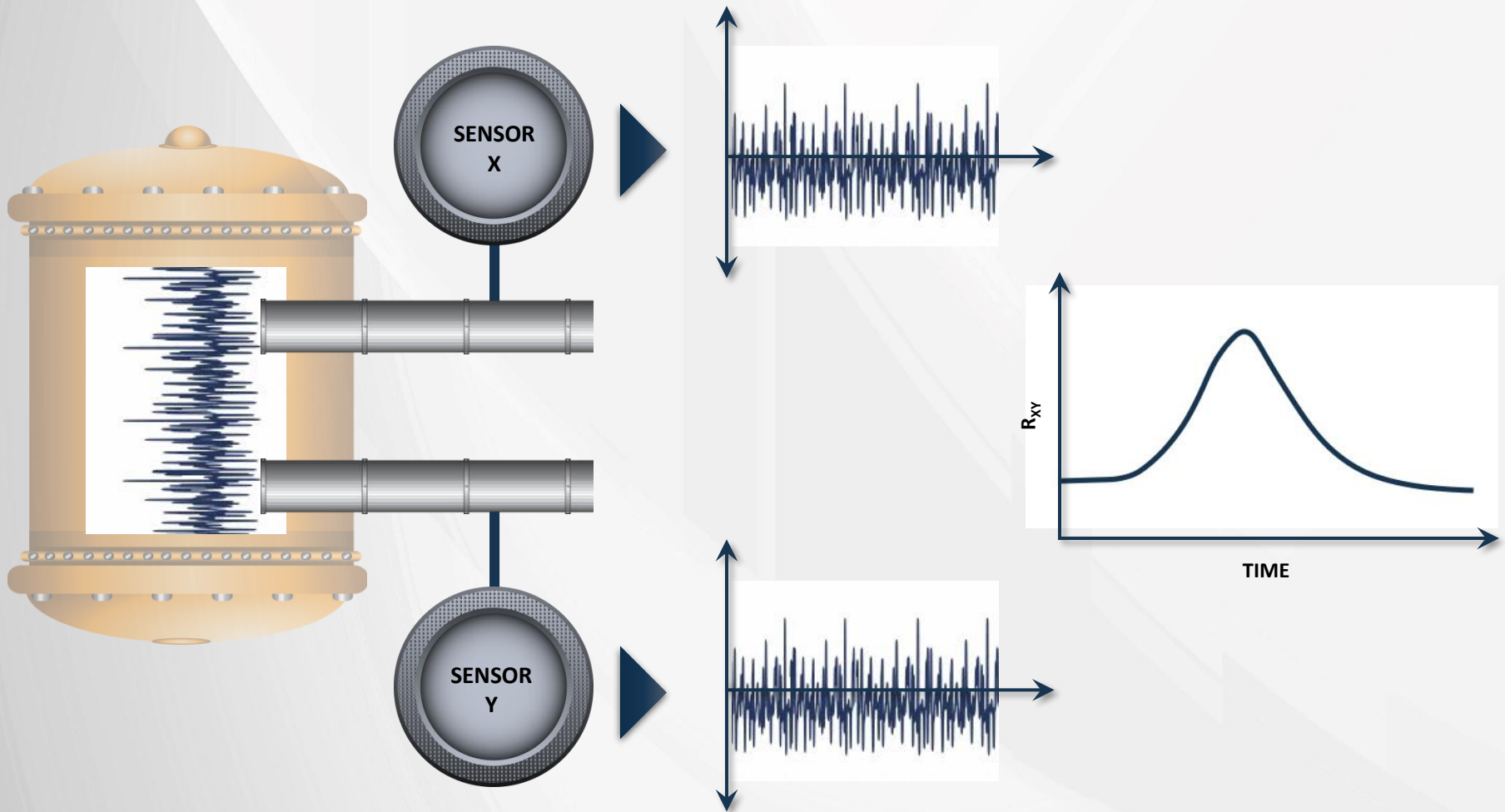


Response Time (seconds)

Transmitter ID	Ramp	Noise
PT-524	0.13	0.16
PT-526	0.12	0.18
PT-505	0.16	0.78

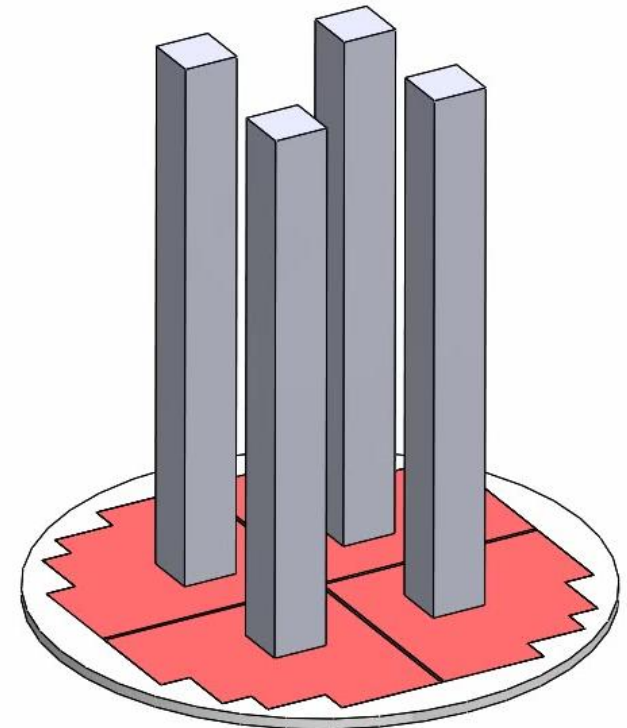
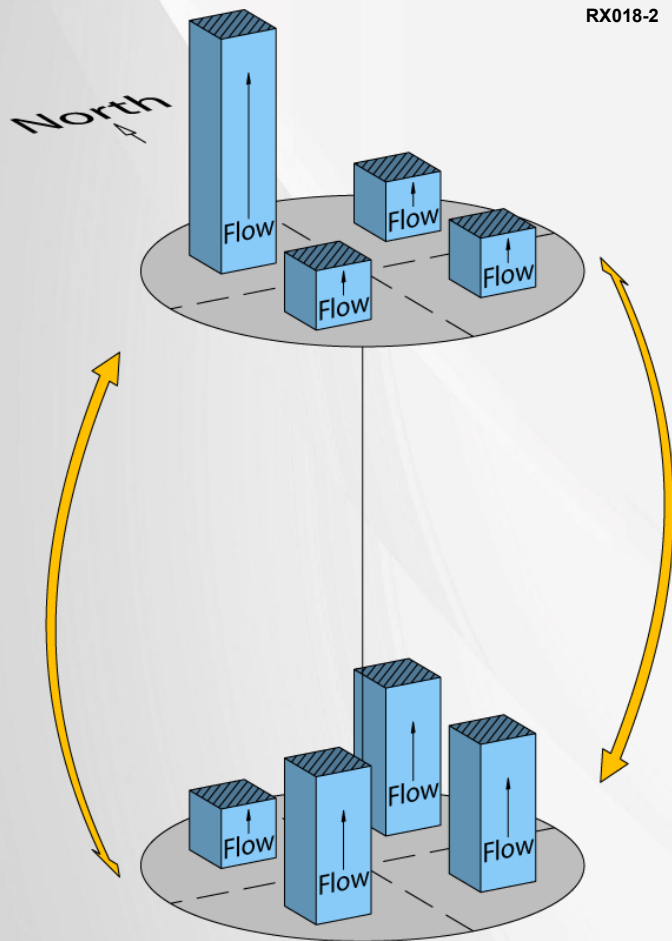


Fluid Flow Monitoring



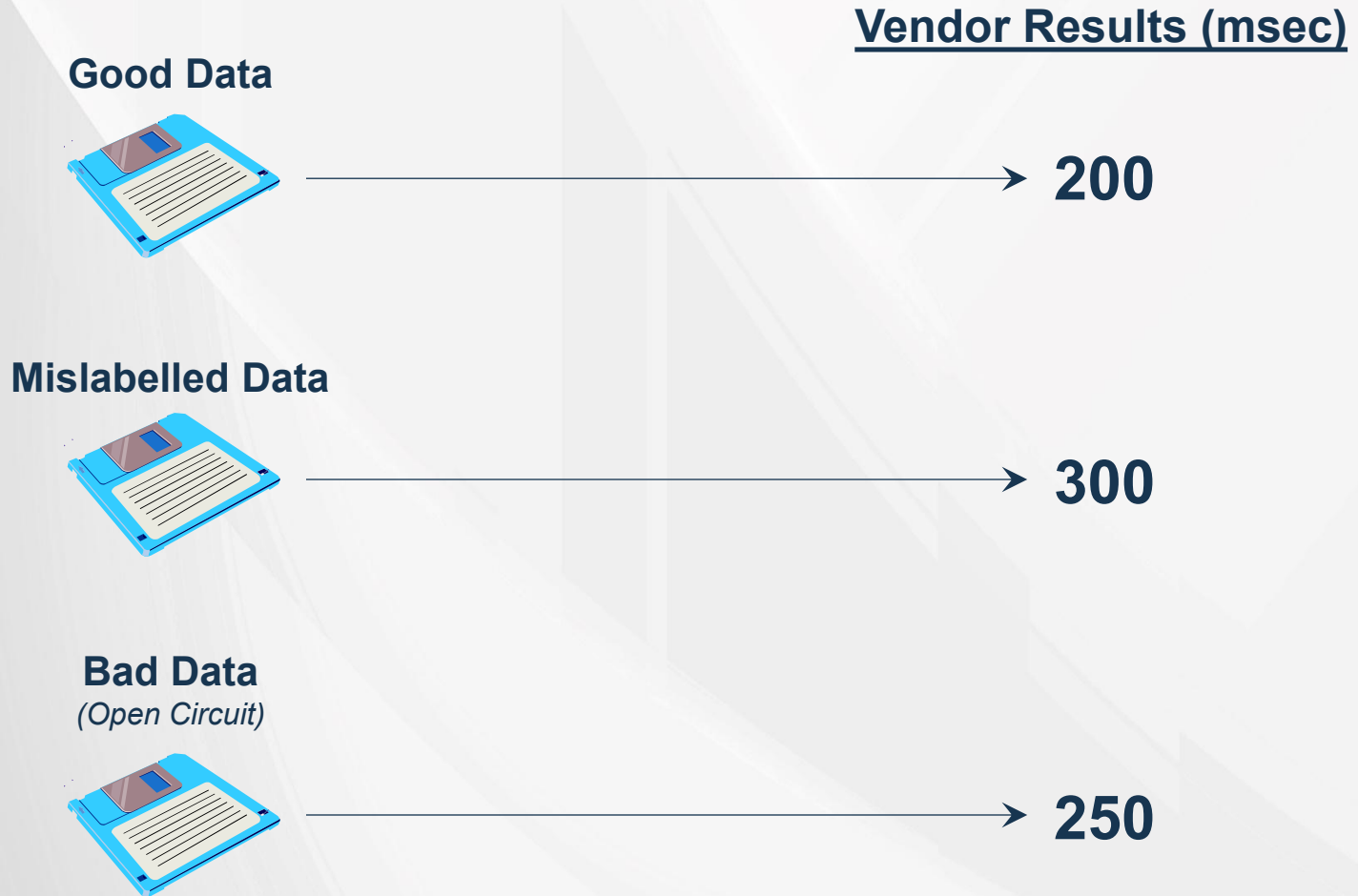


Diablo Canyon Story





Keeping Vendors Honest (Story)





Thank you!



Please meet my one and
only granddaughter

Vera Rose Sizemore

Mom: Nikki Hashemian

Dad: Adam Sizemore

Vera!

