ANSYS helps KSB MIL to simulate and validate critical control valves

Background

- KSB MIL Controls Ltd has been leveraging ANSYS Mechanical to simulate and validate critical control valves for process industries.
- Simulation converges fluctuating residuals and field output variables.
- Technical help rendered by ANSYS support team addressed concerns and delivered results in a timely manner.

ANSYS Solution

Experienced ANSYS support engineers:

- Shared various tips and best practices techniques.
- Helped in understanding hyperelastic material properties and various settings for simulating diaphragm material with large deflections.

Key Results

ANSYS Support helped KSB MIL Controls:

- Understand the various solver options in ANSYS Mechanical to achieve accurate results.
- Compare test data with FEA analysis results.

"Thanks to ANSYS' technical support team on knowledge transfer related to efficient usage of ANSYS Mechanical and its latest FEA capabilities on linear as well as nonlinear analyses. Now, with this understanding I am able to use ANSYS effectively to achieve accurate output for my simulations"

Manu Retnan
Assistant Manager – R&D
KSB MIL Controls Ltd

Shortened Learning Curve

Instilled Best Practices

Improved Results Interpretation