

With ANSYS Support, KSB MIL Controls Ltd. Optimizes CFD



Control Valve Manufacturer Sought Efficiency Gains

- KSB MIL Controls Ltd. leverages ANSYS tools to simulate and validate critical control valves for process industries.
- The company was challenged with convergence, fluctuating residuals and field output variable issues.
- ANSYS Support addressed its concerns and helped the company deliver timely results.

ANSYS Solution

Specifics of support contribution

Experienced ANSYS Support engineers:

- Shared various tips and best practices techniques.
- Helped in understanding various settings for multiphase and cavitation flows using ANSYS CFX, ANSYS Fluent and ANSYS CFD PrepPost.

Key Results

Key outcomes for customer

ANSYS Support helped KSB MIL Controls:

- Understand the various solver options in CFX to achieve accurate results.
- Validate that Fluent results are comparable to CFX, so further solver comparison studies were not required.
- Compare test data with CFD simulation results.

Customer Quote

"Thanks to the ANSYS technical support team for knowledge transfer related to efficient usage of ANSYS fluids products and multiphase competency development. Now with this understanding I am able to use CFX and Fluent effectively to achieve accurate outputs for my simulations."

Name: Manu Retnan

Title : Assistant Manager – R&D

Company: KSB MIL Controls Ltd.

Key Benefits for customers

Shorten learning curve.

Apply best practices.

Interpret results accurately.