

Centrifugal Pump Development

Case Study - Teral Inc.

SC/Tetra contributes to more efficient development process

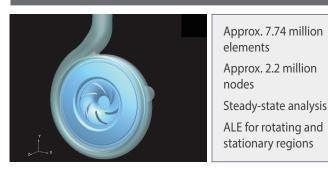
Centrifugal Pump

Fluid analysis combined with structural analysis, 3D CAD, 3D measurement and 3D printer lead to the development of high-value-added products.

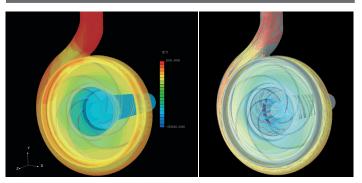


Advanced Research, Designing & Development
Responding to Sophisticated Needs
Maintaining Quality Products

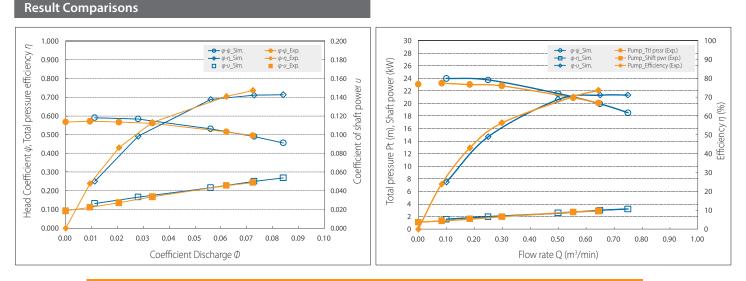
Simulation Model



Simulation Results



Flow patterns and pressure distribution can be examined visually for better understanding. Also, comparison of simulation results can assist in determining better designs before prototyping.



Close correlation between simulation results & experimental results

Customer Comments

SC/Tetra accelerates the pump development processes in areas such as performance evaluation and visualization of internal flow. This results in a reduction in development time (25-65 %) and cost. In addition, engineers can be actively involved in the evaluation of the simulation results regardless of experience or skill level.