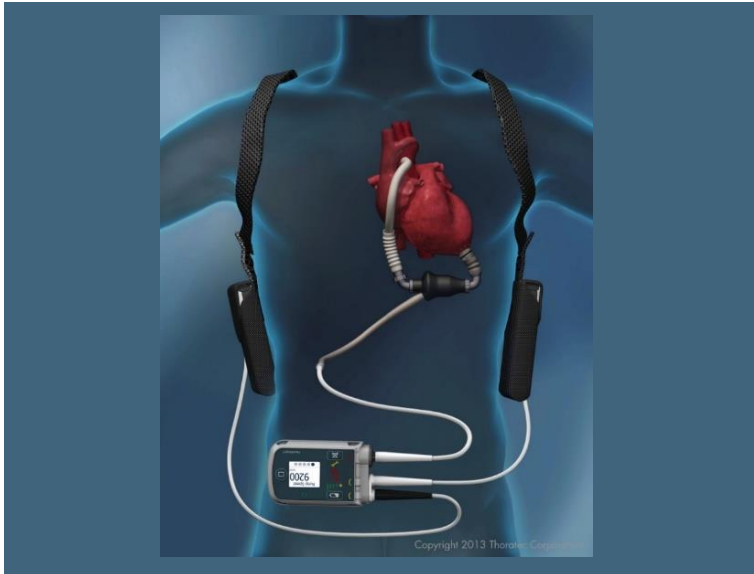


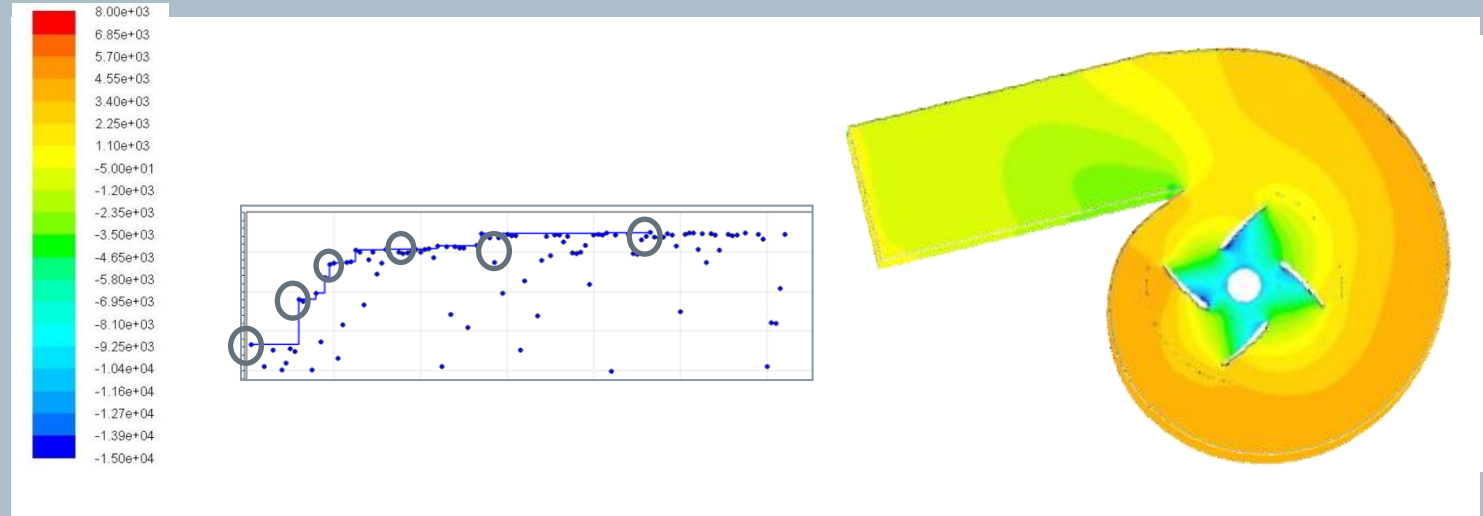
Thoratec Corporation Heart Pump Design Study



Results:

- In just 28 hours on a single core workstation, HEEDS developed a non-intuitive design concept that achieved a 3% improvement in efficiency

Heart Pump Design Improvement with SolidWorks Associative Interface, Ansys Workbench, Fluent, and HEEDS



Efficiency at different pressure points

HEEDS automatically varied all impeller blade edge angles and evaluated pump efficiency for 120 different design concepts!