

Heart Pump (Ventricular Assist Device)

This project has been funded by University of Indiana and seeks to develop a cavopulmonary assist (impeller pump) for the univentricular Fontan circulation. The four company development team includes Texas A&M's Vibration Control and Electromechanics Lab (VCEL) led by Dr. Alan Palazzolo. VCEL's tasks include rotordynamics, and CFD based flow studies. The extensive experience of VCEL in fluid film and magnetic bearings, flow and rotordynamics compliments the requirements of this project.