Biomedical Technologies

Center for Total Artificial Hearts & Biomedical Devices			***Dr. Donald B. Olsen/University of Utah/SLC, Utah***
Overview	*Technologies*	*Status*	*Economic Impact*
Current State Contract — *$150,000* *Matching Funds* — *$3,462,776* *Cumulative* — *$10,089,795* *Center Related Jobs* — *48* *Industry Jobs Created* — *--* *Benefiting Utah Companies* — *--* *Patents Applied* — *2* *Patents Issued* — *--* *License Agreements* — *2*	**Engineering-miniature hydraulics, device design, design analysis, CNC machining capability, computer machining capability, device fabrication, polymers, plastics, metallics and QA/QC* **Electrical design & fabrication* **Integrated circuits & VLSI* **Device testing* **Animal experimentation-surgery, radiology, hematology, immunology, biochemistry, pathology, device retrieval analysis*	**Have established shared leadership in electric artificial heart projects* **Have only system with motor backup capabilities* **Considered world leader in artificial organ research* **Conducting animal studies for fully implantable electric artificial heart*	**$10 million backlog in research* **Looking for the right kind of industry linkage*