Center for Computer Aided Engineering Design & Mfg.

Dr. Joseph Free/Brigham Young University/Provo, Utah

Established center in 1991. The main focus is research in computerized drafting, 3-D design, solid modeling, finite element modeling, numerical controlled mfg, robotics, facilities management, plant monitoring and control, data base management and inventory planning.

Overview

Current State Contract $100,000

Matching Funds $272,753
Cumulative $738,470

Total Jobs Created 116
Industry 75
Center Related Jobs 41

Direct Center Spin-offs 0

Tot.Benefiting Utah Companies 10

License Agreements 9

Patents Applied 0

Patents Issued 0

Technologies

*Six software products:

- Promodel
- ROBLINE
- OPTDESX
- CATS
- Movie (C-Quel.BYU and MOVISTAR.BYU
- MAXXICAD
- GEOSOLID.BYU

Status

*OBTDESX ported to high end workstations

*ADCATS interfaced to autocad

*Recipient of grants from Ford Motor Corp., Sandia National Labs, NSF, IBM and Motorola

*Negotiations underway with IBM, Boss Corporation, Novell, Intergraph, Hewlett Packard, ATTC and a venture capital group based in Europe to establish major license and distribution agreements of center products

Economic Impact

*Sales/Revenue figures:
Software Licenses: $610,000

*Center's products are marketed exclusively through CIMETRIX, PROMODEL Corporation and Design Synthesis. These three spin-off companies provide a direct, world-wide outlet of center products and professional employment opportunities for Center graduate students

*There are over 1,600 licensed users of Center generated software

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