APPLICATION and DESIGN ENGINEERING SPECIALISTS

Choice Designs, Inc.

www.ezchoice.com
This presentation is an overview of:

- Services provided
- Our employees and partners
- Industry experience
- Examples of Project experience

PTC/USER Inc. - Best RUG Presentation 1999
Engineering FIRST focus

• Degreed Professionals
  • Mechanical Engineering and Industrial Design
  • PhD level of education down to Associates degrees

• Highly trained in Computer-Aided Engineering
  • Pro/ENGINEER, SolidWorks, Alibre Design, AutoCAD Inventor and Mechanical Desktop
  • FEA, Mold filling Analysis, PDM, Project Management, Animation, Surfacing...
  • Solid Modeling experience since 1989
  • 8 to 10 new internal training classes scheduled each year
  • All personnel have formal training in various Pro/E modules and up through PTC’s ‘ISDX Training class’

• Highly trained in Project Management

• Web based in our collaboration & communications

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Industry Experience

- Experience in the following industries:
  - Aerospace
  - Automated Equipment (Machine Design)
  - Consumer Products
  - Electronic Industry
  - Medical Industry
  - Mold Design
  - Semi-conductor Industry
  - Steel Industry
  - Tire manufacturing and equipment design
Medical Industry Project

Armboard Instrument

New Product development
- Motion studies
- Solid modeling
- Testing
- Stress calculations
- DFMEA done

- Pro/ENGINEER used
- Safety team members
Medical Industry Project
Horizon Imaging System

Medical imaging technology equipment development & Project management

- New Product development
  - Motion studies & Tolerance Stack-ups
  - Dust & Heat reduction
  - Air flow optimization and Heat sink Design
- R & D development on new trays
- Pro/ENGINEER Implementation
- Pro/ENGINEER Mentoring – Surfacing, Cabling, Sheetmetal, Large Assy. Mngr. and detailing w/ GD&T

* Choice had up to 6 people with flexible schedules on this Project
Medical Industry Project

Medical Imaging Project

- New Product development
  - Motion studies
  - Structural Analysis
  - Animations & Renderings
- R & D development on new ceiling mount design
  - Pro/ENGINEER Standards
  - Pro/ENGINEER Mentoring
  - Pro/E difficult Surfacing
Choice Designs, Inc. Engineers partnered together with Client and used the latest Mechanical Computer-Aided Engineering tools to design 5 NEW MRI tables that:

- reduced Engineering development time of new products by 70%!
- reduced the cost of development drastically
- went straight to production from the solid model without prototype fabrication
- produced a more compact yet mechanically superior design
- increased the level of communication from Client to its customers

11 units sold off the first Rendered image given to the Sales staff long before production. “Communications to Sales & Marketing was a major improvement over past projects.” Jim Bradcovich, Executive Vice President.
Medical Industry Project

Lighting Design Project

- Mechanism, Product development & Project management
- New Product development
  - Motion studies
  - Mechanical design w/ Pro/E
  - Renderings
  - R & D development on new light head
INTEGRATION of Technology

MaxVision
Pro/ENGINEER
FEA w/Mechanica
Immersive Design - IPA
Import Tools
Mold Filling Analysis
SyMech

Design Engineers
CFdesign
Manufacturing
POV Ray Rendering
Sheetmetal Design
Resinate MA
Rapid Prototyping
Windchill & Intralink

YOUR PROJECT MANAGERS

CHOICE DESIGNS TEAM

Your better Product to market FIRST

• Bringing complicated solutions together with ease
Our Concurrent Engineering process

- Simultaneous Activity & Collaboration
- Computer Solid Model Oriented data
- Emphasis on Integrated Information Management
Our mission is to help people successfully implement and excel in the use of the latest Computer Aided Engineering software for the continuing development of innovative Products and Equipment.

May we help you?

http://www.ezchoice.com
1-877-405-6770
1. If you are overwhelmed!
2. If you don’t know where to turn?
3. If you need more Team players, we can help you with your Collaborative NPD?

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