

SUMMARY

Electrical Engineer with 10 Years experience in the Satellite Communications Field and 2 years experience in departmental managing. Specializes in control systems, tracking systems, and antenna systems. Reputation for efficient project and departmental management skills. Previously commended for attention to detail. Possesses methodical trouble shooting skills. Works well under pressure while managing installation crew when in the field and R&D engineers when in the office. Experience in products management and obsolescence controls. Reorganized and changed departmental mind set to create and optimize a highly skilled cross functioning team.

AREAS OF EXPERTISE

Control and tracking systems design, which includes microprocessor electronics controls and drive units. Experience using Eurotherm 620 and 690 inverters. Design and trouble shoot PLC logic programs. Proficient with Autocad, Mathcad, Pcad, and Matlab software packages. Operating Microsoft Word, Excel, and PowerPoint. Projects and programs management. Field installation crew management. Systems start up and trouble shooting. Mechanical and Electrical design and trouble isolations. Systems designs with complex interfaces.

- Managed multimillion dollar projects.
- Mobile control systems design.
- VME Bus controller re-spin from Surface Mount to Through Hole Mount for obsolescence controls.
- Component creation in PCAD for Ultralow Cost Controller.
- Creating a system set up procedure for field installation to enable a technician to turn on and run complicated controls system.
- Writing O&M manual for highly specialized control and tracking systems.
- Creating setup methods for encoder and position feedback device alignment.
- Taught control and tracking system classes throughout the world.
- Learned and trained in RF testing of the large aperture antenna.
- Trained in the usage of Theodolite for antenna and mechanical alignment.
- Superior customer relation skills that resulted in large profit business opportunities.
- Designed, built, and installed multi-systems within a tight time frame resulting in extreme customer satisfaction. The customer elected VCSD as a sole provider of the satellite controls system.
- Manage engineers with human factor mind set.
- Balance the needs of the corporation and the needs of its stakeholders.
- Streamline integration and electrical engineering department.

EXPERIENCE

Senior Manager, Satcom Technologies, Kilgore, Texas 2001 - Present

Senior Manager, Electrical Engineering Department

- Leads a team of integration and electrical engineers in designing and implementing complex projects and products.
- Encourages and motivates the team to think in an innovative fashion.
- Able to harvest and maximize each engineer's strength and minimize his or her weakness.
- Creates a cross functioning team of engineers and designers
- Expands departmental scopes in design capabilities.
- Creates off site training programs to further expand engineering capabilities.
- Serves as a system engineer over large and complex projects.
- Help establish departmental vision and goals that everyone can agree upon.
- Support sales, marketing, and programs groups.
- Help with product classification for export purposes

Manager, Electrical Engineering Department 2000 - 2001

- Led electrical integration team
- Supported sales with quotation
- Supported marketing and programs group with project proposal
- Managed and scheduled design tasks

- Designed integration and electrical tasks when necessary.

, Satcom Technologies, Longview, Texas

2001 - 2003

Engineer III, Product Engineer

Product Engineering required a constant maintenance of the product design. The parts obsolescence must be dealt with constantly. Thorough and broad knowledge is required for the position in order to resolve issues across many product lines. Some of the products included three different models of control units and two different models of tracking units. Also served as a backup product engineer for several other product lines.

- Constant research and redesign of the product to keep systems and parts up to date.
- Obsolescent parts are designed out of the system.
- Patiently and diligently worked on multiple problems that arise from the manufacturing floor on the products frequently.
- Picked new parts and approved parts for ROHS compliance.
- Reconfigured existing products for new applications.

Global Communications, Longview, Texas

2004 - 2006

Field Engineer III, Field service

Field Engineering requires extensive traveling experience along with superior trouble shooting skills. Thinking under pressure and real time problem solving skills are critical. Served as a field crew supervisor and end customer point of contact and interface. People skills were utilized extensively.

- Solved critical problems for customers onsite whereby saving them downtime that can in turn cost revenue.
- Isolated and solved problems logically on a daily basis.
- Enthusiastic about learning new skills in and out of the field. Some of these skills included RF testing for Antenna Qualifications, Mechanical alignment which included verticality and reflector alignment, and structural parts replacement.

Controls System Division, Longview, Texas

1999 - 2001

Project Engineer/Program Manager

Project Engineer/Program Manager is responsible for designing the systems, managing its manufacturing process, ensuring correct interfaces between all of the components in the system, and customer interface. These tasks require the ability to manage and estimate program schedule. The proposal must be made and submitted to the end customer for approval.

- Designed, managed, installed, and tested large systems that involved many different brands of equipments.
- Attention to details for equipment interface on both mechanical and electrical was used to accomplish tasks.
- Respectful and tactful customer interface skill ensured customer satisfaction and repeat business.

EDUCATION

Texas Tech University, Lubbock, Texas

B.S., *Electrical Engineering*

- Graduated with Electrical Engineering major along with Mathematical minor

University

Masters, ME/MBA

- Dual master degrees awarded independently at the same time.
 - Master of Engineering with Electrical Emphasis
 - Master of Business Administration

HOBBY AND INTERESTS

- Places traveled to internationally include: Australia, South Africa, Thailand, China, Singapore, India, Saudi Arabia, France, and England
- Primary hobby includes: Chopper Building
- Primary activities include: Jogging, Praying Mantis Kung Fu, and Hung Gar Kung Fu