

## **A.1. Mechanical/Electrical System Manager: Keith Hansen**

### **CAPABILITIES**

Mechanical-, Electrical-, Concrete-, Welding-Fabrication for civil and mechanical engineering construction projects and processes. Heavy Equipment and Crane Operations as needed. Underground wire burial.

Various jobs and projects have given experience in a variety of areas. Most recent is the construction of tall meteorological towers for wind monitoring purposes in Alaska, in November 2009. Heavy equipment of any type and crane operations have long been a part of my experience. Design, construction, and erection of a remote weather station and telecommunication tower was completed in 2008. Electrical wiring and two-way radio communication equipment installation. Concrete form construction, pouring and placement of concrete on construction projects. Metal fabrication and welding for new construction or repair. Deep knowledge of mechanical engineering and machinery maintenance. Transportation knowledge to manage and direct transportation of equipment and supplies to job sites safely.

### **WORK EXPERIENCE**

*2001- present:* Tall met-tower siting and erections; small wind turbine erections in the mid-west and Alaska remote villages for wind/diesel systems. Heavy equipment operator for transportation industry.

*1999-2001:* Construction supervisor; heavy equipment and lead crane operator (10-40 ton cranes).

*1997-1999:* Equipment operator and batch plant manager for concrete construction on large commercial agricultural swine buildings. Supervised site preparation, layout, and concrete form erection. Batched concrete and directed equipment to place concrete as needed. Directed 40 ton crane to place flooring slats and trusses for building erection.

*1987-1999:* Owned welding business. Steel fabrication, stick and mig welding. Extensive welding processes to remanufacture agricultural equipment parts. Also assisted and in case supervised electrical work: wiring of movie theatres, irrigation pumps for agriculture, and construction of underground wiring for center pivots sprinklers.

*1977-1987:* Operated family farm raising, cattle, corn, wheat and hay. Gained experience with all types of equipment maintenance and repair. Operated all types of farm equipment. Erected and did electrical work on center pivot sprinklers, irrigation wells, grain storage buildings. Buried underground wiring for-well pumps, farm buildings, grain, storage units. Erected towers for radio systems, installed two-way communication

equipment in vehicles. Moved cattle, farm equipment, and hay on semi-trucks. Managed daily operations of farm including sale and delivery of crops to market places.

#### **EDUCATION**

Trade-DeVry Certificate of Electric and Electronics Training  
High School- Holyoke High School, Holyoke, Colorado  
College- Colorado State University, Fort Collins, Colorado

#### **SKILLS AND QUALITIES**

Dedicated to on-time job completion, quality control, quality assurance for the success of the project from the start; methodical; training in mechanical and electrical engineering;

Trained in OSHA safety and risk avoidance.

Creative and capable of achieving innovative solutions.

Impeccable work ethics and dedication to work within teamwork.