

S. Scott Orr, SME

Paradise Crane Consultants, LLC

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Consulting and Management Professional

Cranes and Rigging • Steel Erection • Fall Protection • Construction and Industrial Safety

Professional Acumen

Crane, Rigging, Fall Protection, Construction and Industrial Safety

Extensive experience providing management and consulting services in government and private sector business environments. In-depth understanding of core business processes, including service negotiation, estimating, program development and implementation, training and monitoring. Highly successful in performing audits, assessments and providing guidance and instruction concerning compliance as well as developing and implementing company-wide and site specific environmental, safety and health programs.

Consulting and Training

Owner/Principal of Paradise Crane Consultants established in January of 1995. Provide Mobile and Tower Crane Operator and Qualified Rigger Certification training programs, Mobile, Overhead and Tower Crane Inspection, Hoisting and Rigging Accident Investigation, Expert Testimony, Multi-Employer Work Site Policy expertise, OSHA and MSHA Safety Program development and management for a client base throughout the United States.

Professional Accomplishments

- United States Department of Energy Designation of Subject Matter Expert (SME) – Cranes, Heavy Rigging, Heavy Equipment Operations and Fall Protection.
- State of New Mexico Certified Instructor - Crane Operator & Qualified Rigger Certification Training, consistent with requirements of the New Mexico Hoisting Operators' Safety Act and CFR 1926 Subpart CC.
- Provide Construction and Industrial Safety Audit, Assessments, Consultation and Inspections consistent with ANSI/ASME, OSHA (Construction and General Industry, MSHA, Department of Energy, Corps of Engineers, Bureau of Reclamation, Department of Defense and Department of Navy procedures and instructions.
- Currently provide training courses meeting applicable requirements for Occupational Safety and Mining Safety and Health Requirements.
- Provide expert testimony concerning Steel Erection Practices, Fall Protection Safety, Multi-Employer Work Site Policy and Crane and Rigging Safety.
- Inventor of a Safety Harness / Tool Belt -- Patent Pending # 07-771969.
- Published Safety and Health related articles in both safety and engineering journals.

Career Highlights

MOUNTAIN STATE CRANE, LLC, Alb., NM Jan. 2015 to December 2016 Operations Manager/Safety Director

Assignments and Responsibilities:

Prepare estimates, critical lift plans, cost/schedule control and supervise major steel erection and heavy rigging projects for general contractors and facility owners. Develop and coordinate written safety and health compliance, equipment maintenance and inspection, worker's compensation claims management and employee training programs.

- Developed and implemented project cost and schedule, site-specific safety and health and critical lift plans. Provided field supervision for the contractor team at the *55-million-dollar expansion of the Tijeras, New Mexico (MSHA) Cement Plant.*
- Work in collaboration with Associated General Contractors Safety Management Team developing enhanced crane and rigging safety practices and subcontractor training programs.
- Supervise a team of 60 mobile crane operators, teamsters and ironworkers with successfully completing Steel Erection, Bridge Erection, Power Plant, Refinery and Petro/Chemical Plant Turn-A-Round's without a lost time accident.

LOS ALAMOS NATIONAL LABORATORY May 2001 to January 2015 Crane and Rigging Manager/Sr. Safety Engineer, SME ("Q" Clearance)

Assignments and Responsibilities:

Oversight of hoisting and rigging operations and programs for construction and maintenance operations at Los Alamos National Laboratory (LANL). Develop and implement programs associated with safety and health compliance and employee training.

- Provide management, training and oversight of hoisting and rigging operations for the Site Management Contractor at Los Alamos National Laboratory.
- Conduct reviews with regard to architectural and engineering designs and develop recommendations related to environmental, safety and health issues.
- Develop and conduct employee-training courses concerning Qualified Crane Operator and Qualified Rigger Certification.
- Recipient of Los Alamos National Laboratory – Director's Distinguished Achievement Award - November 2014.

MESA STEEL ERECTORS INC., Santa Fe, NM May 2000 to May 2001 Operations Manager/Safety Director

Assignments and Responsibilities:

Management and oversight of a major steel erection, heavy rigging and crane rental company. Develop and implement all programs and processes associated with business development, cost/schedule control, environmental, safety and health compliance, worker's compensation claims management, and employee training.

- Prepared estimates, critical lift plans, cost/schedule control and supervised major crane and heavy rigging projects for Los Alamos National Laboratory, Sandia National Laboratory, White Sands Missile Range and Molly Corporation Mine.
- Developed and implemented the 100% fall protection program for steel erection at the Downtown Theater Block project in Albuquerque, NM.
- Successfully completed 150,000 man-hours at steel erection and heavy rigging projects without a lost time accident.
- Developed and conducted employee training courses in Crane Operator Certification, Forklift Operator, Hazard Communication and OSHA and MSHA.

**CRANE SERVICE, INC., Albuquerque, NM
Safety Director / Crane & Rigging Superintendent**

April 1998 to May 2000

Assignments and Responsibilities:

Develop and implement written environmental, safety and health, worker's compensation, equipment inspection and maintenance, and employee training programs. Provide preliminary planning and estimates, develop critical lift and site-specific safety and health plans for major crane and rigging projects.

- Provided Sandia National Laboratory with preliminary budgets, site-specific safety and health and critical lift plans for 200-ton target lifts.
- Developed and implemented project cost and schedule, site-specific safety and health and critical lift plans for the *TA-11 Drop Test Tower* reconstruction at Los Alamos National Laboratory.
- Developed and implemented cost/schedule controls, safety and health programs and training compliant with OSHA/MSHA and critical lift plans and supervised the contractor team at the *Starfire Mountain Telescope Relocation* for the U. S. Air Force.

**RIDGE CRANE & RIGGING, Arvada, CO
Field Superintendent/Safety Director**

June 1996 to April 1998

Assignments and Responsibilities:

Prepare estimates, critical lift plans, cost/schedule control and supervise major steel erection and heavy rigging projects for general contractors and facility owners. Develop and coordinate written safety and health compliance, equipment maintenance and inspection, worker's compensation claims management and employee training programs.

- Worked in collaboration with 18 Colorado steel erectors and Miller Safety Consulting Inc. to develop the Steel Erector's Safety Association of Colorado and subsequent partnering agreement with the Federal Occupational Safety and Health Administration.
- Supervised a team of 70 mobile crane operators and 120 ironworkers that successfully completed over 950,000 man-hours of steel erection and heavy rigging without a lost time accident.

**LAMB ASSOCIATES, INC., Albuquerque, NM
Environmental, Safety and Health Director ("L" Clearance)**

June 1994 to June 1996

Assignments and Responsibilities:

Provided management and oversight of the Environmental, Safety and Health Department and annual operating budget for the Department. Directed and monitored staff assignments, program management and milestone tracking for Safety Engineers, Industrial Hygienists and Environmental Specialists working at United States Department of Energy, Albuquerque Operations Complex (DOE/AL), Los Alamos Area Office (LAAO) and private sector projects.

- Provided oversight concerning development, management, training and implementation of the environmental, safety and health programs for DOE/AL.
- Conducted reviews with regard to architectural and engineering designs and developed recommendations related to environmental, safety and health issues at major commercial construction projects.
- Authored and implemented the Department of Energy, Albuquerque Operations Hoisting and Rigging Program.
- Prepared estimates, negotiated contracts and managed environmental, safety and health programs for contractors and facility owners in the private sector.

**BECHTEL CONSTRUCTION, Miami, FL
Sr. Environmental, Safety and Health Coordinator**

April 1993 to June 1994

Assignments and Responsibilities:

Developed the environmental, safety and health program for the \$3 billion Dade County Airport expansion project representing Bechtel Construction in a joint venture team. Authored and implemented environmental, safety and health programs for the Dade County Aviation Maintenance Department.

- Developed the "Partnering for Safety in the 1990's and Beyond" program; a cooperative agreement between Dade County Aviation Department, the General Consultant, and participating general contractors. This program realized reductions of 65% in accidents and incidents, 70% in worker's compensation expenditures and 88% in penalties and fines in the first year of implementation.

**STIMPEL WIEBELHAUS ASSOC., Redding, CA December 1991 to March 1993
Safety Director**

Assignments and Responsibilities:

Develop specific programs concerning employee and subcontractor environmental, safety and health training, worker's compensation claims management, vehicle maintenance, explosive transportation and storage, aboveground/underground storage tanks inspection and maintenance, and pressure vessel permitting requirements.

- Ensured compliance with CAL-OSHA, DOT, ATF, U.S. Army Corps of Engineers, Bureau of Reclamation, Water Resource Control Board and EPA regulations, standards and codes.

**RIDGE ERECTION & RIDGE CRANE SERVICE COMPANIES, Arvada, CO
November 1979 to December 1991
Crane and Rigging Superintendent/General Foreman/Ironworker**

Assignments and Responsibilities:

Develop and implement regulatory compliance, worker's compensation claims management, accident investigation, and employee training programs. Provide management and oversight of steel construction, heavy rigging, and tower crane erection projects.

- Successfully managed more than 250 steel erection and heavy lift mobile crane projects in the western United States

Education Southwest University BS / Construction Management

Minor / Occupational Safety and Health

Wastenaw Community College - Criminal Justice

Columbia Southern University –Certificate of Environmental, Health & Safety Law

International Ironworker Joint Apprenticeship

**Professional
Designations**

- **Professional Designation – Subject Matter Expert**, Cranes and Rigging, Steel Erection, Confined Space and Fall Protection
- Certified Mobile, Overhead and Tower Crane Inspector
- Certificate of Environmental, Safety and Health Law
- State of New Mexico Mobile Crane Operator's Certification
- Approved Trainer, State of New Mexico – Hoisting Operator's Safety Act



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Company Profile

S. Scott Orr - Principal and Founder - 1995

THE CONSULTANT OF CHOICE

Paradise Crane Consultants (PCC) is the consultant of choice for safety and health in construction and industrial work environments. Drawing on a network of specialists, we work with organizations around the United States to improve their safety and health performance: make the most of safety and health-related business opportunities; and solve serious safety and health problems.

OUR REPUTATION FOR EXCELLENCE

PCC has gained an unparalleled reputation for excellence as a leader in developing new management systems, devising novel solutions to our clients' challenging problems, and creating new techniques for program improvement and for ongoing safety and health assurance.

OUR HISTORY IN EH&S

Throughout our history we have played a major role in the safety and health field. We have determined the causes of numerous incidents and accidents; conducted safety and health audits; and have worked closely with governmental regulatory agencies with regard to current and proposed safety and health legislation.

OUR TRADITION CONTINUES

Our tradition continues in the 21st Century as we work with governmental agencies and the private sector to determine the efficacy and safety of new products; help develop safety and health standards; audit commercial and industrial facilities, develop and conduct training programs; and write guidelines for safety and health management programs.

THE INTERSECTION OF MANAGEMENT & TECHNOLOGY

Our safety and health services intersect with management and technology. PCC works with company owners and government officials to develop and implement strategic safety and health programs. We work with plant and site managers to apply practical safety and health solutions to the technological, management, and regulatory challenges they face.

OUR KNOWLEDGE OF BUSINESS, TECHNOLOGY, AND INDUSTRY

We apply our knowledge of business, technology, and industry to help government regulatory agencies develop pragmatic guidelines and regulations. And we use our advanced technical skills to help clients determine the extent of environmental damage and generate usable, reliable data about their products, programs, and procedures.

THE NEW ERA IN ENVIRONMENTAL, HEALTH, & SAFETY

In an era of increased environmental, health, and safety awareness and public right-to-know laws, excellence in environmental, health, and safety management programs is a strategic necessity for high performance businesses. We help our clients achieve that excellence.

Services Offered:

- Accident investigations
- Annual Crane Inspections
- OSHA/MSHA Audit and Assessment Consultation and Inspections
- National Crane Operator Certification Training
- Due diligence assessments
- Expert Testimony – Cranes, Rigging, MSHA, Steel Erection, Fall Protection, Multi-Employer Policy
- Crane Accident – Post Accident Recovery

Curriculum Vitae

- State of California Licensed Crane Inspector, License # A-259 - 1992
- Asbestos Abatement Supervisor
- Confined Space Entry Supervisor
- Trenching / Excavation Competent Person
- Lock/Out - Tag/Out Competent Person
- MSHA Trainer
- MSHA Work Site Inspector
- Certified Crane and Rigging Inspector
- Advanced Scaffold Safety Training
- OSHA Training Institute--OSHA 500 Regulatory Compliance Training
- Hazardous Material Evaluation, Management, and Control Training
- Environmental, Health and Safety Law
- Multi-Employer Work Site Policy
- Certified Ergonomics Compliance Director
- Phase I Environmental Assessment Training
- California -- Environmental Law Training
- Certified Forklift Operator
- Advanced Fall Protection

Professional Designations **United States Department of Energy - Subject Matter Expert (SME)** – Cranes and Rigging, Heavy Equipment Operations, Steel Erection & Fall Protection
Columbia Southern University –Certificate of Environmental, Health and Safety Law

Certifications:

State of California -- Licensed Crane Inspector \ License # A-259

Subject Matter Expert – Crane and Rigging, Heavy Equipment, Steel Erection and Fall Protection

Recognized MSHA Training Instructor

Recognized OSHA 30 Hour Instructor

Certified Mobile and Tower Crane Inspector (Department of Labor Recognized)

Certified Trenching / Excavation Competent Person

National Certification Crane Operator - CIC

National Crane Operator Certification Trainer - CIC

Certificate – Environmental, Safety and Health Law

National Certification - Forklift Operator, Instructor

Recognized OSHA/DOL Qualified Rigger, Instructor

Recognized Fall Protection, Instructor

National Crane Operator Practical Examiner - CIC

Recognized Crane and Rigging Inspector, Instructor

Professional

Affiliations

National Erectors Association Safety and Health Committee; Steel Erectors Safety Association of Colorado, Safety and Health Committee; Associated General Contractors, (New Mexico Building Branch) Safety and Health Committee.