

DIANA CHISCO

MECHANICAL ENGINEER

Member of Colombia

Member of Australia

KEY SKILLS

- ❖ Effective technical skills.
- ❖ The ability to work under pressure
- ❖ Attention to detail.
- ❖ Problem-solving skills.
- ❖ Verbal and writing communication skills.
- ❖ *Commercial awareness.*
- ❖ Creativity and analytical thinking
- ❖ *Solid works CAD software*
- ❖ Project management
- ❖ Outstanding interpersonal, negotiation and mediation skills

SECTOR EXPERIENCE

- ❖ Mining.
- ❖ Earthmoving- Construction
- ❖ Industrial- Bulk material handling

PERSONAL PROFILE

Mechanical Engineer with over 8 years of experience in the mining and construction industry with an excellent performance in maintenance, planning, reliability, design, and supervision roles. My expertise covers a wide range of plants from heavy equipment to bulk material processes. Demonstrated good leadership skills and successful team building capabilities along with excellent management, strategic and technical skills. Resourceful problem solver with proven ability in engineering, working within worldwide industry environments.

"Sustainable developments contribute to our personal growth offering better living conditions to preserve our environment and well-being for further generations"

WORK EXPERIENCE

COST ESTIMATOR- ENGINEERING DESIGNER

November 2019- March 2020/ USA-South America

- In charge of technical and commercial proposals for the international markets outside USA in the application of conveyor components by applying design engineering, ensuring company and customer requirements were satisfactorily completed.
- Designed and cost estimated conveyor's systems and components according to customer requirements (speed, forces, power, tensions, loads, material, etc.) in markets such as mining, agriculture, cement companies.
- Made technical judgments as necessary for the application of company products to customer projects, supporting our clients on site, analyzing their needs and future requirements.
- Designed components in Solidworks, reviewed and released drawings and routers for production based on my design specifications.
- Audited the production and quality control processes of the final product. Reviewed QC documents which include measures, mild specifications of the steel, thermic treatments, NDT and made sure the product filled the customer approval for the shipment release.
- Prepared maintenance and operational manual of our products.

MANTENAINCE PLANNER

EGANS GROUP | April 2018- November 2019| AUSTRALIA

- Comprehensively monitored and evaluated capabilities of the company assets using telematics to analyze daily detailed data about every aspect of a machine's operation and performance. Working with analytical and communication tools, helped increase safety, productivity, uptime, availability, reliability and reduce cost due to breakdowns.
- Designed maintenance, operational and training plans based on data analysis, engineer principles and safety regulations of Australia.
- Cost estimated revenue expenses to the projects held by the company and made budget plans.
- Trained operators on Intelligent machine control systems which allow excavators and bulldozers to excavate in high-precision 3D designs.
- Changed from corrective to preventative maintenance strategy elaborating, updating, and disclosing the fleet maintenance plan by analysing the data from the telematic systems.

MANTENAINCE PLANNER

CERREJON BHP BILLITON | August 2015- April 2016| COLOMBIA

- Provided technical support to ensure reliable sustainable and cost-effective maintenance utilizing predictive methodologies (including NDT such as DP, MP, ultrasound and face array) and machine learning techniques to ensure asset reliability and capability to meet the operational objectives.
- Monitored and analyzed data from blutip device to develop fuel measurement and maintenance strategies in CAT 793 mining trucks.
- Monitored on real time Komatsu PC4000 / PC8000 shovels & CAT 854 loaders performance, capturing equipment health data and issue alarms from the ECM to protect operators and machines.
- Determined standard times for down-time/shut-downs, planned and scheduled preventative maintenance tasks and resources in order to keep the Department mining plant KPIs to achieve the company plans as well as created standard preventive and corrective maintenance strategy for their performance improvement and production.
- Actively participated in updating the RCM fleet strategy and feeding the failure analysis process.

SENIOR SUPERVISOR

CERREJON BHP BILLITON | June 2010- July 2015| COLOMBIA

- Developed and implemented operation strategies, budgets, and plan to ensure the maximum availability of the mining fixed fleet at optimum cost, ensuring the safety of the team by applying a zero-harm approach to all task performed.
- Increased the fleet availability by designing and implementing a modification on CAT 793 trucks transmission which include processes such as welding, machining and testing.
- Supervised the rebuilt engines and components which include processes such as welding, machining, measuring control, NDT and testing to assure the ISO 9000 requirements.
- Implemented 5s methodology in Reconstruction Superintendency-Maintenance Department.

- Accurate and timely implemented the overhaul plan of 7 CAT 793 trucks following the guides and procedures to safely and quality achieve the objective. This project included heavy welding and Non-destructive inspections release.
- Designed and implemented personal and professional development program for my team to build and continuously improve, flexibility and skill set diversity.

QUALIFICATIONS

- Diploma of Leadership and management. 2018
Lonsdale Institute, Melbourne, Australia.
- Acknowledge as Mechanical Engineer in Australia. 2018
Engineers Australia.
- Postgraduate in Engineering, *Maintenance Management*. 2013
Industrial University of Santander, Bucaramanga, Colombia
- Bachelor in Mechanical Engineering. 2009
Santo Tomas University, Bogota, Colombia.

CONTACT

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