

RAHUL DHIMAN

FLEET MANAGEMENT SYSTEM ENGINEER

DETAILS

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Indonesia

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LINKS

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SKILLS

Wenco Fleet Managemnt
System

● ● ● ● ● ○

Microsoft Power BI

● ● ● ● ● ○

Data Analysis

● ● ● ● ● ○

Procees Engineering

● ● ● ● ● ○

Production Management

● ● ● ● ● ○

AutoCAD

● ● ● ● ● ○

Microsoft Office Programs

● ● ● ● ● ●

Optical Fiber
Communication

● ● ● ● ● ○

Wireless Communication

● ● ● ● ● ○

Decision Making

● ● ● ● ● ●

Time Management

● ● ● ● ● ●

Adaptability

● ● ● ● ● ●

Leadership

● ● ● ● ● ○

PROFILE

Experienced Manufacturing Automation and FMS Engineer with 10+ years in mining, specializing in automation, wireless communication, and process control. Skilled in optimizing production, enhancing safety, and integrating advanced technologies. Notable achievements include leading the WENCO Fleet Management System and VISIO ROCK On-Conveyor Stone Detection projects, driving productivity gains and cost reductions in large-scale nickel mining operations. Committed to innovation and continuous improvement.

EMPLOYMENT HISTORY

Fleet Management System Engineer, Pt. Eramet Indonesia

Weda Bay Nickel

Oct 2024 — Present

- Managing fleet operations in a large-scale nickel mining environment, ensuring optimal performance, safety, and compliance across haul roads.
- Implementing advanced Fleet Management Systems (FMS) to enhance operational efficiency, reduce downtime, and optimize resource utilization.
- Analyzing fleet data for insights that drive process improvements, safety enhancements, and cost reductions.
- Collaborating with cross-functional teams to integrate automation and communication technologies, streamlining production processes.
- Leading troubleshooting, system upgrades, and maintenance to ensure real-time monitoring, reliability, and effective decision-making.
- Enhancing driver safety through FMS-based safety protocols and training initiatives, fostering a secure working environment.
- Contributing to strategic planning for fleet operations, focusing on sustainable and innovative solutions.

Production Control and Automation Lead Engineer, Stevin Rock LLC

Ras al-Khaimah

Feb 2024 — Sep 2024

- Implementing rigorous safety protocols and fostering an environmentally conscious work culture to ensure a secure environment for all team members.
- Controlling and managing a team of 200 people responsible for crusher operations.
- Integrating cutting-edge technologies into processing operations to boost efficiency, increase production, and minimize risks in hazardous conditions.
- Overseeing a dedicated team managing PLC automated crusher plants, continually updating and configuring Siemens PLC systems to meet operational demands and improve process efficiency.
- Planning and setting up new control rooms to enhance operational control and monitoring capabilities.
- Troubleshooting PLC alarms and events to ensure minimal downtime and smooth operation of the automated systems.

Ability to Work Under Pressure



Lean Manufacturing



Six Sigma



LANGUAGES

English



Hindi



French



Bahasa, Indonesia



FMS Shift Engineer, Stevin Rock llc

RAS AL KHAIMAH

Jan 2022 — Feb 2024

- Conducting comprehensive data analysis to identify trends, enabling fleet optimization and cost reduction
- Supervising and managing the company's entire fleet of vehicles and equipment for seamless operations
- Delivering targeted training and ongoing support to drivers and staff utilizing the fleet vehicles and equipment
- Ensuring the development and upkeep of precise records and reports concerning fleet operations, such as maintenance logs, fuel usage, and vehicle deployment
- Utilizing data from various sources to pinpoint trends, fine-tune mining schedules, and enhance overall mining efficiency
- Collaborating with cross-functional teams, including mining crews, maintenance staff, blasting teams, and crusher personnel, to guarantee the timely execution of mining tasks
- Maintaining meticulous records of equipment usage, production output, and other crucial performance indicators to facilitate data-driven decision-making.

Production Process Engineer, Stevin Rock LLC

RAS AL KHAIMAH

Jan 2018 — Jan 2022

- Diagnosed the root causes of breakdowns and bottlenecks, resulting in a reduction of system downtime by 10%. Diagnosing the root causes of breakdowns and bottlenecks, working closely with the SPM and Electrical teams to devise effective troubleshooting solutions
- Implementing safety procedures and promoting environmentally conscious operations, proactively identifying unsafe practices, and creating a secure working environment for employees
- Maintaining seamless communication across sites through the installation and configuration of wireless radio systems
- Troubleshooting issues in automated PLC plants, collaborating with third-party companies to resolve errors and minimize downtime
- Implementing advanced technology in processing operations to drive innovation, increase production, and reduce risks in hazardous working conditions
- Providing training and guidance to team members, fostering best practices to enhance production capacity, quality, and reliability
- continuously evaluating process effectiveness, quality, and safety, identifying areas for improvement to boost efficiency and reduce costs in the processing area.

Electronics and Electrical Engineer, Stevin Rock LLC

RAS AL KHAIMAH

Jan 2016 — Jan 2018

- Troubleshooting and maintaining PLC systems to guarantee optimal functionality, which includes diagnosing and replacing hardware, addressing software issues, conducting regular maintenance, and implementing upgrades for enhanced system performance
- Collaborating with various departments such as the quarry team, maintenance, and operations to integrate PLC systems with other mining equipment and processes seamlessly
- Managing PLC projects by developing project timelines, identifying potential risks, overseeing budgets, and ensuring timely completion of deliverables within the allocated budget
- Offering technical support to mining operations personnel by addressing and resolving PLC-related concerns
- delivering training and support to engineers and technicians, promoting proficiency in PLC systems and their effective use.

**Sr. Field Cordinator and Trainer, PerfectUS
Educational & Training Solutions**

Chandigarh

May 2014 — Feb 2015

- Provide technical training to students in different trades at Govt. ITI.
- Conducted assessments for Government star projects Implemented by the central government.
- Implement government projects at different institutes.
- Client Management. □
- Regular reporting to supervisors.
- Documentation and periodic assessments.

EDUCATION

**University Diploma in Mineral Extrctives Studies,
University of DERBY, UK**

Derby

Aug 2023 — Jun 2024

- Mineral Extraction & Transportation
- Minerals Management & Processing
- Blasting Operations

**M-Tech, Manufacturing Managemnt, BITS Pilani
Work Integrated Programmes**

India

May 2022 — Present

- Project Management and Supply Chain Management.
- Product Design and Lean manufacturing
- Quality Management and Sustainable Manufacturing
- Manufacturing Planning and Control

**MBA - Operations and Management, Kalinga
University**

Raipur

Sep 2013 — Oct 2015

- Operations management and Strategic management
- Human resource Management
- Management of International Business

**B-TECH - Electronics and Communication, Punjab
Technical University**

PUNJAB

May 2009 — Aug 2013

- Signals and Systems
- Digital and analog electronics
- Antenna and wave propagation
- Satellite communication
- Optical Fiber-Communication

PROJECT EXPERIENCE:

**Implementation of WENCO Fleet Management
System and RANJANT Mesh Network**

Stevin Rock LLC, Ras-al
Khaimah

- Led the installation and implementation of the WENCO Fleet Management System, significantly improving the efficiency and control of the fleet operations.
- Facilitated the integration of WENCO system hardware and Mobile Data Terminals (MDTs), enhancing real-time data exchange and improving decision-making processes.

- Managed the responsibility for the installation and communication of the RANJANT Mesh Network at the site, thereby ensuring robust and reliable connectivity across the fleet.

Implementation of VISIO ROCK OCS-4D On-Conveyor Stone Detection System

Stevin Rock, Ras
al-Khaimah

- Led the installation and configuration of the VISIO ROCK OCS-4D system, a cutting-edge technology aimed at detecting and sorting materials on a conveyor system.
- Collaborated with a team to integrate the system into existing operations, contributing to enhanced efficiency and accuracy in the stone detection process.
- Conducted comprehensive system tests post-installation to ensure functionality and efficiency, resolving any detected issues promptly.

Central Control Room Implementation and Optimization

Ras al-Khaimah

Jan 2024 — May 2024

- Successfully led the installation and implementation of Central Control Room (CCR) to enhance safety, process efficiency, and overall operations. This project involved integrating remote access capabilities, allowing centralized control of multiple crusher plants. The centralization streamlined operations, reduced on-site staffing requirements, and improved real-time decision-making.
- A critical component was the installation of an extensive CCTV surveillance system. High-resolution cameras were strategically placed at key locations such as crushers, hoppers, and conveyor lines, significantly enhancing safety and enabling quick identification and resolution of operational issues.
- Comprehensive training programs ensured staff proficiency with the new system, resulting in improved operational agility and efficiency. The successful implementation of the CCR has set a new industry benchmark, demonstrating our commitment to innovation and continuous improvement.

CERTIFICATION

WENCO FMS Dynamic Dispatch, Wenco International Mining Systems

Nov 2022

Microsoft PowerBI Data analyst Professional, Coursera - Microsoft

Apr 2024

PLC Automation (Siemens - TIA Portal), Arabian Info-Tech Training Institute

Mar 2024

Machine Application Performanance Training, Caterpillar Inc.

Feb 2022

ISO 450001 - Occupational Health and Safety Management System, Udemy

May 2020

Emergency First Aider plus Defib and CPR, Highfield

Feb 2021 — Feb 2024