



JAIR ARMANDO CORCHO RUEDA

MECHANICAL ENGINEER

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Mechanical Engineering with knowledge in electronics and programming systems for maintenance of mining equipment. Committed, with a pro-active attitude, excellent relationships interpersonal, I adapt easily to different work environments, innovating tools to carry out excellent teamwork aimed at achieving objectives and strategic goals proposed by the company in function.



CONTACT

72.274.755 from Barranquilla
July 30, 1982
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Barrio la Magdalena
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KNOWLEDGE AND SKILLS

PROGRAMMING LANGUAGES

HTML
CSS
MySQL
Javascript
Java para Android Studio
Microsoft Visual Studio
Microsoft Excel
Microsoft Word
Microsoft Access
Microsoft Project
Microchip / Communication of
sensor data by wifi
Microchip / Communication of
sensor data by bluetooth

SKILLS

- Leadership
- Teamwork
- Innovation
- Proactivity
- Compromise
- Effectiveness

KNOWLEDGE

- ✓ 5S Methodologies
- ✓ Scrum
- ✓ Personnel management
- ✓ Six-sigma
- ✓ B1 English

EXPERIENCE

HITACHI SHOVEL SUPERVISOR

September - November 2017

CHM MINERIA S.A.S.

- ▶ Receive the backlog generated from the backhoe loader from the shift supervisor
- ▶ Make planning with the technical workers and resources in charge based on the pending and the times programmed by the external client to evaluate the shovels.
- ▶ Verify and validate that the security documentation is duly completed before doing the job.
- ▶ Review and validate that the daily report formats are duly completed and Backlog generated by the technical staff during the times programmed by the external client to evaluate the shovels.
- ▶ Validate work orders generated by equipment shutdowns.
- ▶ Make a record of what was executed in the shift and pending so that they are scheduled by the manager of the next shift.
- ▶ Receive the PM folder from the equipment that contains the printed schedule in Microsoft Project, Backlog along with your work order and manufacturer's forms.

HITACHI WORKSHOP SUPERVISOR

February 2018 - February 2019

CHM MINERIA S.A.S.

GENERATE THE WEEKLY SCHEDULE AND PROJECTION OF EACH COMPONENT INSPECTION, REPAIR AND RECONSTRUCTION ACCORDING TO:

- ▶ Assign the tasks to the technicians according to the weekly inspection schedule, evaluations and repairs according to available resources and man hours per shift.
- ▶ Manage supplies and spare parts with the warehouse for timely compliance with the schedule daily and report any unforeseen for reassignment of tasks in agreement with the programming engineer.
- ▶ Evaluations resulting from inspections carried out by technical personnel to requisition of spare parts, services and supplies for the repair.
- ▶ Component tests to certify correct repair.
- ▶ Listing and dispatch of repaired components.

SCHEDULING ENGINEER

February 2019 - July 2020

CHM MINERIA S.A.S.

COORDINATE WITH THE MANAGEMENT AND PLANNING DEPARTMENT:

- ▶ Requisition of spare parts and supplies with SAP IW32 transaction and weekly / monthly schedule for the execution of preventive and corrective maintenance of the company's support teams, establishing improvement actions to reduce repair time and stoppages and increase the percentage of the availability indicator and effective machine hours.
- ▶ Schedule weekly according to monthly projection of PM of equipment, the execution of actions improvement and evaluate, according to the execution reports, the effectiveness of said intervention, taking as a parameter the increase of the effective machine hours indicator
- ▶ Graphically validate improvement actions with normal distributions to reduce maintenance downtime and according to monthly projection the availability of spare parts, supplies, support equipment and third-party services evaluated and verified to generate the weekly equipment maintenance schedule.

GENERATE THE WEEKLY SCHEDULE AND PROJECTION OF EACH COMPONENT INSPECTION, REPAIR AND RECONSTRUCTION ACCORDING TO:

- ▶ Man hours, machine hours and tool hours in welding workshop and components.
- ▶ Supplies and spare parts inventory availability.
- ▶ Request services from suppliers through the planning department to complete component repairs with the execution of the transaction.
- ▶ Implementation of standard work times through projection codes to generate indicators of effectiveness for technical staff and efficiency for the component inspection, repair and rebuilding process.
- ▶ Follow up with the supervisors of the progress of the work during the shift through the projection codes recorded by technicians in their shift reports.
- ▶ Monthly report the indicators of programming compliance, relating delays in processes, unforeseen events, disabilities, percentage of attendance, available hours, effective hours, executed hours, efficiency of technical staff.

EXPERIENCE

SERVICE ENGINEER

March 2007 - March 2016

MOCER S.A.S.

Planning, execution of maintenance programs and logistical organization of technical personnel when they are carried out component rental line services.

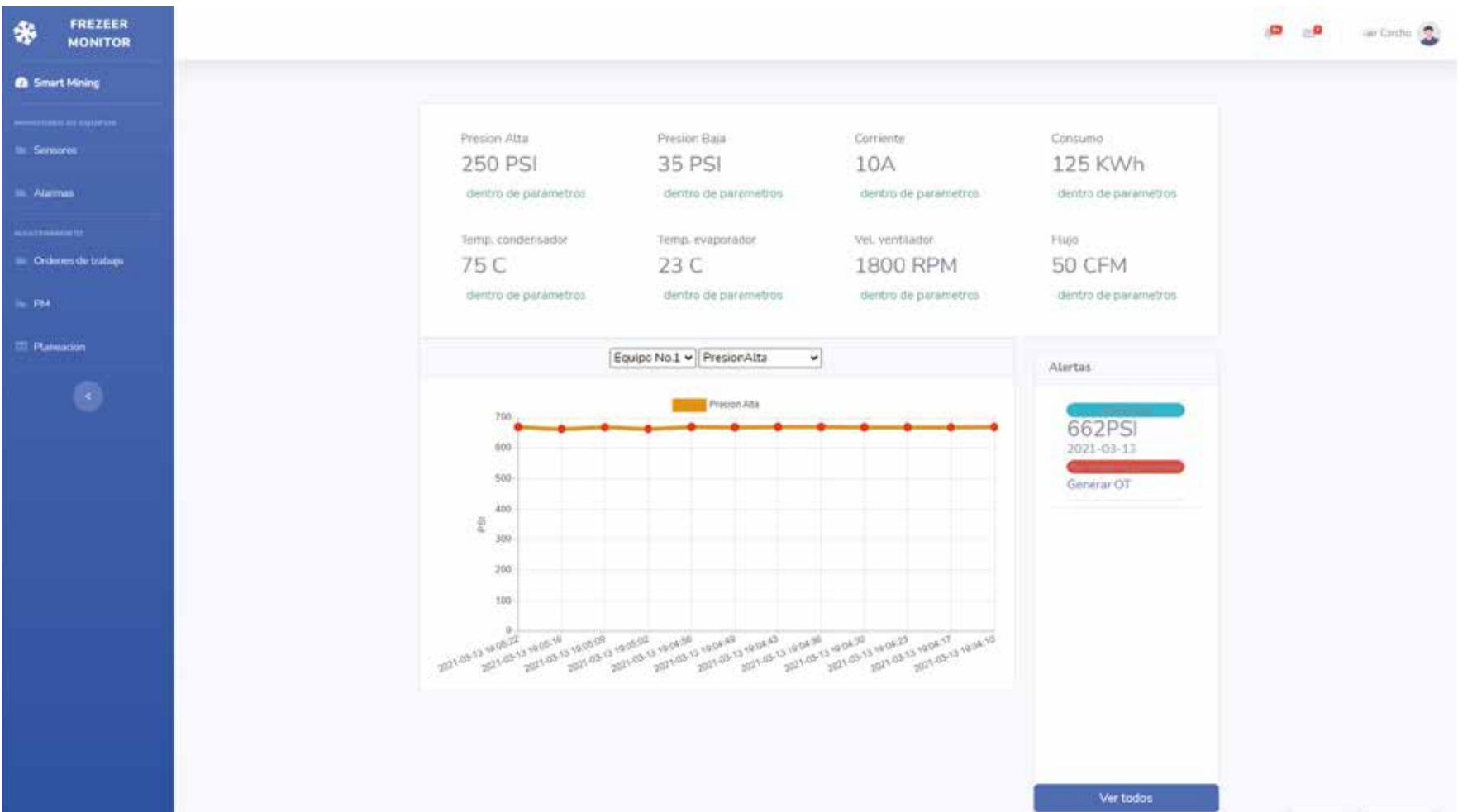
Supervise the workshop for the components we represent and their equivalents in other brands; composed on the following threads:

- Delivery of components: Organize the documentation with the generation of formats that certify that the component and inform the customer quickly of the arrival in the workshop.
- Component inspection: Make user-friendly formats so that technical staff do not make mistakes in writing or errors in prices or quantities at the time of generating the inspection report and the quotation respectively presented to the external client; decreasing the probability of that the indicator of this sub-process is negatively affected by rework in corrections.
- Requisitions and purchases: Analyze the formats to improve the communication of the technical staff towards the internal client taking reference inventory data to generate purchase orders to suppliers, keeping the minimum import and freight costs in order to improve execution times between these sub-processes.
- Verification of purchases: Implement quantitative tools to consider the elements that are in demand and have of these in the inventory taking as reference the supplier's delivery times, whether they are total or partial of the purchase orders generated to this
- Component Repair: Generate Work Orders and Watch component repair procedures are carried out in accordance with the manufacturer's manuals. Organize and periodically analyze the workshop work areas component repair in order to improve the efficiency of this sub-process; classifying the elements required for the repair and eliminating the unnecessary so that the personnel of the area have everything they need to carry out their work with a minimum displacement of their delimited work area, being positively reflected in the indicators of this sub-process.
- Validation of the repair: Validate the repair of the component with standard modules and verify the certificates of calibration of these to deliver a certified repaired component to the external customer.

ACHIEVEMENTS

DEVELOPMENT OF WEB APPLICATION FOR INSPECTION AND MAINTENANCE OF REFRIGERATION EQUIPMENT

- Construction of web application for monitoring refrigerators
 - Monitor refrigeration equipment pressures, temperatures and other parameters in real time through a Wi-Fi network
 - Generate alerts in the event that any refrigeration equipment is operating in out-of-parameters conditions.
 - Generate work orders for preventive and corrective maintenance
 - Generate indicators of effectiveness of technical staff and efficiency of the process of the executed work orders.
 - With a database, track traceability and generate KPI indicators to evaluate the reliability of the equipment.



The screenshot displays the 'FREZER MONITOR' web application interface, specifically the 'Alertas' section. It shows a table of alarm history with the following columns: 'EquipoNo', 'Fecha alarma', and 'Parametro a estandarizar'. The table contains 14 entries, showing various alarms for 'equipo01' on '2021-03-13'.

EquipoNo	Fecha alarma	Parametro a estandarizar
equipo01	2021-03-13 00:00:00	Presion Alta
equipo01	2021-03-13 00:00:00	Presion Alta
equipo01	2021-03-06 00:00:00	Presion Baja
equipo01	2021-03-07 00:00:00	Presion Baja
equipo01	2021-03-13 17:19:07	Corriente
equipo01	2021-03-13 17:19:07	Corriente
equipo01	2021-03-13 17:19:07	Corriente
equipo01	2021-03-13 17:19:07	Corriente
equipo01	2021-03-13 17:19:07	Corriente
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equipo01	2021-03-13 17:19:07	Corriente

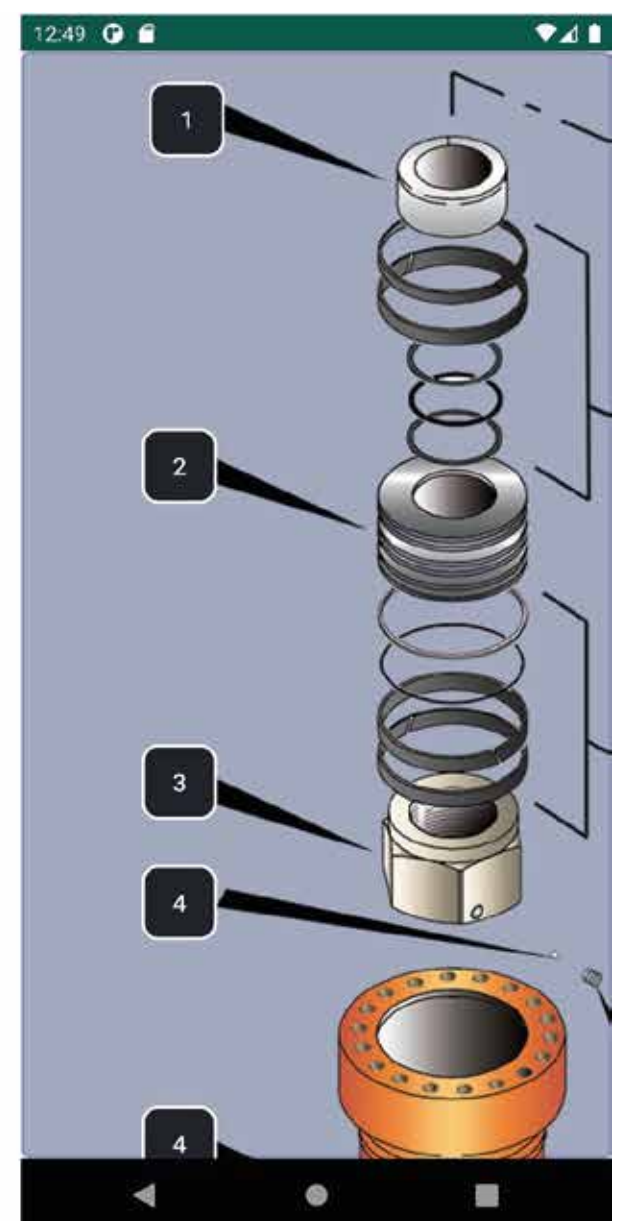
At the bottom of the table, it says 'Showing 1 to 10 of 14 entries'. Navigation buttons 'Previous', '1', '2', and 'Next' are visible.

ACHIEVEMENTS

APPLICATION DEVELOPMENT FOR COMPONENT INSPECTION AND MAINTENANCE

Android application development with the following functions:

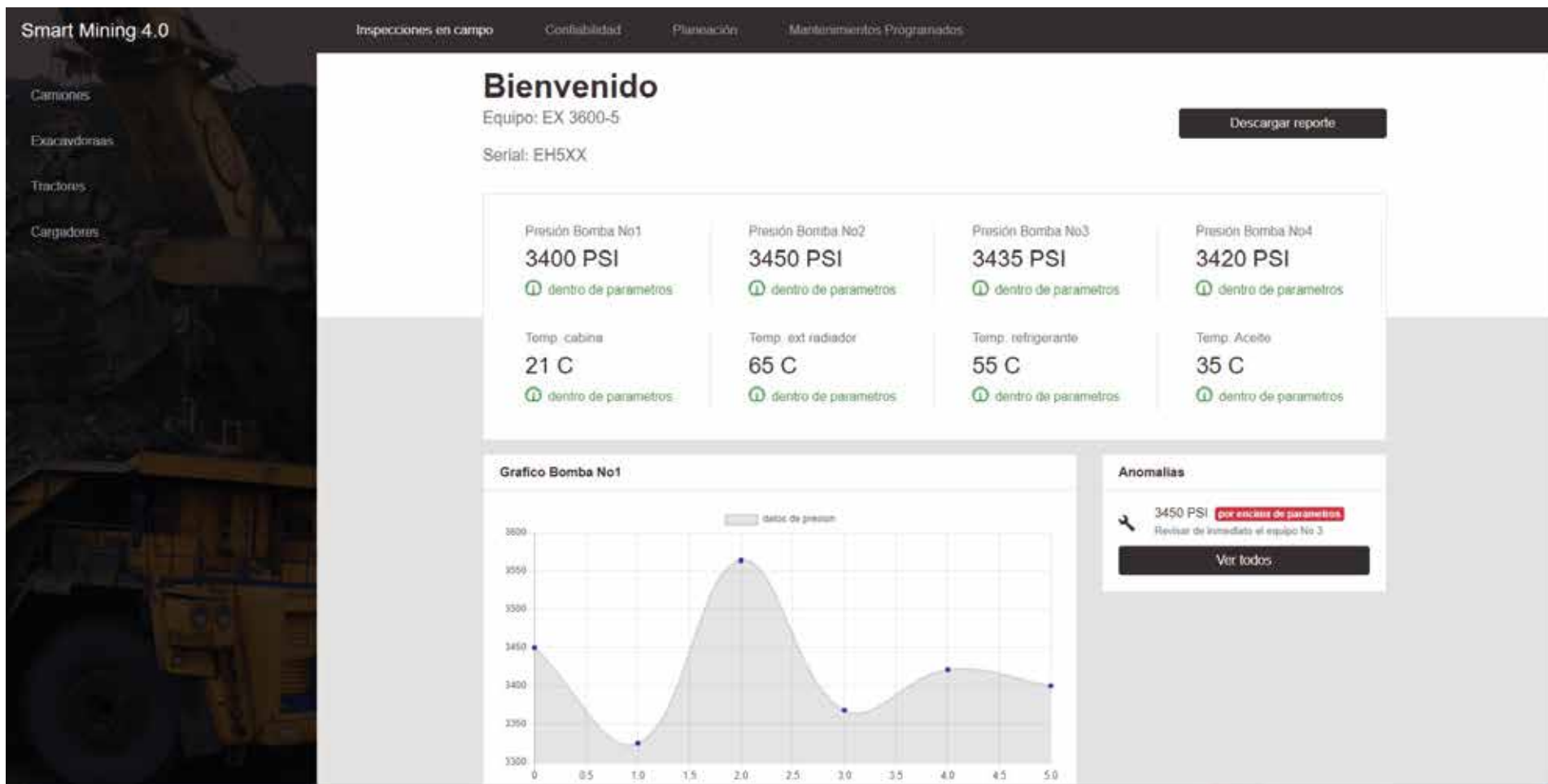
- ▶ Insert data of components and equipment for inspection to the system with MySQL databases.
- ▶ Generation of work list to assigned personnel measuring effectiveness and efficiency in real time.
- ▶ Displays in 3D and in color to report failures and keep the traceability of each part of the component in order to record the life cycle operational
- ▶ Automatic registration of work orders executed by technical staff
- ▶ Generate reports of inspections and maintenance carried out.
- ▶ Calculate indicators of effectiveness of technical staff and efficiency of the process of the work orders executed.



ACHIEVEMENTS




DEVELOPMENT OF APPLICATION FOR INSPECTION AND MAINTENANCE OF MINING EQUIPMENT

- Construction application for web and Android with the following functions:
- ▶ The daily reports and the Backlogs made by the technical staff were generated on site by the application;
 - ▶ Together with the Backlog, an exploded view was created that untually indicated the affected components.
 - ▶ Daily reports and backlogs generated in the shift are stored in an online database, where the supervisor with the application connects to see the relationship of the daily report and the Backlogs with the inspected equipment, validating the information to generate the pdf formats with a click and send them to planning through an email.
 - ▶ Generate automatic alerts if any component is completing its operating cycle and program the preventive maintenance to avoid a down of the equipment.
- View traceability and Generate KPI indicators to evaluate the reliability of the components and of the team itself.





CONTACT

JOB REFERENCES

-  Jorge Hernández
CSM CHM Minería Workshop manager
3102481953
-  Alexander Hurda
Mechanical engineer
3216569072
-  Jaime Llinas
Electronic Engineer
3218234854

FAMILY REFERENCES

-  Gemin Corcho Ruiz
Accountant
3135988524
-  Alex Corcho Rueda
Graphic designer
3005712977

EDUCATION

UNIVERSIDAD AUTONOMA DEL CARIBE

MECHANICAL ENGINEER

2009

SENA

GASOLINE INTERNAL COMBUSTION ENGINE REPAIR TECHNICIAN

2005

CETESAU

HYDRAULIC SYSTEMS TECHNICIAN

2005

JOHNS HOPKINS UNIVERSITY

HTML, CSS, AND JAVASCRIPT FOR WEB DEVELOPERS

2021

Ver Certificado >

UNIVERSITY OF CALIFORNIA, DAVIS

SQL FOR DATA SCIENCE

2021

Ver Certificado >

VANDERBILT UNIVERSITY

JAVA FOR ANDROID

2021

Ver Certificado >