# **PROJECT CHARTER**

# **Frontend Internship 2025**

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| 1. General Project Information | |
| **Project Name:** | Frontend spares status website |
| Project Manager: Team | Nicolas Peña |
| **Project Purpose / Business Justification** | |
| The project aims to implement a local website that clearly displays the current available stock of all hardware controlled by the Frontend. It is necessary to provide a clear, quick, and straightforward visualization of the current hardware stock status, presented as a top-level summary from the database. | |
| **Objectives** | |
| * To improve the time required to retrieve available frontend stock status * To improve the general visualization of the available frontend stock status * To provide basic statistics of spares replacements history | |
| **Constrains** | |
| * **Cost**: The project doesn’t require any expenditures * **Quality**: All the information of the website will be automatically refreshed every two hours. The website features an eye-friendly, colored, and with modern design. * **Schedule**: The project started on Jan 3th 2025, and should be finished on time within the internship period. | |
| **Scope/Deliverables** | |
| * **CMMS Database**: Deliver the Frontend “available stock” database structure; block diagram * **Source Code:** Deliver all the source code used; database connection, database queries, website HTML, UNIX crone jobs, etc. * **Hardware to be excluded**: Not controlled hardware will be omitted on the website. Except for the Photomixers. * **Website**: Deliver the website showing the quantity of the following spares; WCA, CCA, Bias Modules, Warm IF Amplifiers, LPR, Photomixer, ACD, ACD Electronic Box, WVR, WVR Controller Assembly, WVR RF Subsystem, WVR Chopper Wheel, FEPS, etc. | |
| **Project Milestones** | |

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| **Connect to database using APP –** Connection could be established with some client.  **Database Structure** – Visualize the general structure of the database, focused on the stock register, and present the schema to the staff or to the project Manager  **Connect to with orabledb CMMS and Query –** Successfully connect to database from Unix using “oracledb”, perform a query test to the database  **Bind Website with Database** – Test that the website could present data from queries to CMMS database  **Test cron job –** Test with one query is enough, just for testing.  **Publish Website spares data** – Publish website data with plain text, website has no design.  **Website Modern Design** – Implement and publish website modern design. |
| **Cost Estimates** |
| |  |  |  | | --- | --- | --- | | **Item** | **Quantity** | **Costs** | | Total Estimate |  | 0 USD | |
| **Stakeholders** |
| * **Nicolas Peña:** Project Manager. Electronic Engineer. * **Pablo Bello, Sergio Otarola:** AMG Supervisors * **Guillermina Ponce, Daniel Fernández, Nicolas González, José Parada:** Electronic technicians. * **Catalina Barra:** Developer Internship |
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