



NAME OF PROJECT: Mining project

FIELD: Mining

LOCATION: Ecuador

YEAR OF EXECUTION: 2019

AREA OF EXPERTISE



Manufacturing Control

SERVICES PROVIDED



Programming

CONTEXT

Our customer is involved with the construction of a new gold mine in Ecuador, one of the largest gold mining projects currently in construction. The mine was designed and implemented by a Quebec engineering firm, with whom we collaborated to make this project a success.

MANDATE

PCI's mandate was to develop the control programming for the transformation plant, as well as participating in the equipment start-up at the site. Our programmers were on-site in Ecuador for many months

PCI PERFORMED THE FOLLOWING TASKS

- Design the standard templates used to control the plant equipment from the SCADA application, ensuring that they correspond to the PLC control blocks.
- Update the graphical displays so that they correspond to the latest version of the process drawings, so that they are ready to use when required to test the equipment.

SOLUTIONS DEPLOYED BY PCI

- Application of new graphical standards to improve the operator's "Situational Awareness".
- Simplification of the symbols used.
- Adaptation of the scripts used to automatically generate the tag names simply by communication with the PLC and reading its tag database.
- Translation of the graphical displays to Spanish.
- Modifications and additions to the PLC logic.

TOOLS AND METHODS USED

- Wonderware System Platform 2017, with InTouch
- Schneider Unity Pro

1 SIMILAR
PROJECT
UNDERTAKEN

