



**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

