

Project Summary:**Short Title:** Automated Compare**Title:** LiveCompare and ALM (Application Lifecycle Management) Integration**Project lead and contact details:** Kedar Bhide and Chris MullerKedar.bhide@newmont.com; chris.muller@newmont.com**Suggested team size:** 3 - 4**Logistics:** On-campus**Project description:**

Founded in 1921 and publicly traded since 1925, Newmont is one of the largest gold companies in the world. Headquartered in Denver, Colorado the company has approximately 24,000 employees and contractors, with the majority working at Newmont's core operations in the United States, Australia, Ghana, Peru and Suriname. Newmont is the only gold company listed in the S&P 500 index and in 2007 became the first gold company selected to be part of the Dow Jones Sustainability World Index. Newmont's industry leading performance is reflected through high standards in environmental management, health and safety for its employees and creating value and opportunities for host communities and shareholders.

The project being offered for CS Field Session Fall 2022 is with a product called LiveCompare (Tricentis product) . LiveCompare is an SAP analysis tool designed to be used at each stage of the SAP lifecycle. Tricentis LiveCompare provides smart impact analysis for SAP updates, using AI to pinpoint exactly what to test.

Reduce the risk from SAP changes

SAP applications link every aspect of Newmont's business. This means even a minor SAP update has the potential to cause major disruption and downtime. But our SAP implementations are often so complex, teams don't know exactly what they need to test. As a result, they test too much, too little, or the wrong things entirely. This slows down our SAP releases, adding to costs while doing little to minimize risk.

Currently, Newmont IT has installed and run a Proof of Concept using Live Compare for Business Process Analysis that would help us in validation for data migrations, testing analysis, system compares/validations, code and config compare and many other uses. This project includes developing the scripts to interface to SAP, HP ALM (Application Lifecycle Management) for analysis as well as system compares, etc. Testing the product with the interfaces and providing a final summary of outcomes and impacts.

LiveCompare is meant to solve this problem. It takes all the guesswork out of determining what needs to be tested before changes are deployed to our SAP landscape.

Project components:

The following has been completed to date:

1. VM set up in AWS
2. Connectors installed in IX6, EX6, SX5
3. Livecompare installed
4. RFC connections configured

The hardware:

Any laptop or desktop that has secured internet access.

The software:

- Tricentis LiveComapre
- HP ALM

Desired skills:

Following skills are a plus but not necessarily required:

- Knowledge of database and SQL programming

Goals:

The goal of this project is to implement LiveCompare and prove than Newmont can

- **Avoid over-testing, cutting unnecessary time and complexity from SAP Testing**
- **Prevent under-testing, so we can catch defects before they cause business pain in production**
- **Deliver higher-quality releases with zero defects**

Expected Outcome:

At the end of the project, the team is expected make a presentation / demo to the Enterprise Business Solutions Team at our Denver Hub (6900 E Layton Ave, Denver BO 80237) or at Colorado School of Mines.

The presentation will summarize how the implementation met the business outcomes and forecast the future quantitative and qualitative value the tool will provide.

