



RINGSCAFF

QUELLAVECO COPPER MINE

MOQUEGUA - PERU

ABOUT SACYR AJANI CONSORTIUM

The Spanish group Sacyr is globally active in infrastructure, real estate development and construction. For major mining projects of operator Anglo American, Sacyr is now joining forces with Peruvian mining and construction company Ajani.

For more information visit
www.sacyr.com
www.ajani.com.pe

PROJECT QUICK FACTS:

- Project: Construction of Quellaveco mine, which is one of the world's five biggest copper deposits
- Project duration: 5 years
- Scaffold specifications: 885 tonnes of RINGSCAFF modular scaffold
- Scaffolding challenge: An alternative solution to shoring was needed to save time, labour and material

 **scafom-rux**

SCAFFOLDING PROJECT
PERU'S LARGEST MINING INVESTMENT TO DATE

The Quellaveco copper mine is one of the largest copper deposits in the world. From 2022, after a 5-year construction period, an average of 300,000 tonnes of copper will be produced annually. This makes the Quellaveco project currently the largest of its kind in Peru.



Scafom-rux customer Sacyr Ajani Consortium was commissioned with the construction of the stacking tower, the covered stockpile with 300,000 tons capacity, the primary crusher and the 5 km long conveyor belt, among other things. Of course, such a large-scale project has its very own challenges. Especially compliance with schedules and savings on materials that have to be transported to the mine play a major role here.



SCAFFOLDING CHALLENGE
DESIGNING A SAFE, STRONG AND EFFICIENT STRUCTURE

Scafom-rux modular scaffolding system RINGSCAFF met the high safety requirements of the project and was the scaffold of choice, inter alia, for the construction of the stacker tower.



Due to the geometry and weight of the structure, the cantilever of the stacker tower had to be assembled, lifted and positioned in successive sections. So the original plan was to use shoring to support the individual sections on the one hand and to provide access to them on the other to fix them in place. But this solution would require a large amount of material, labour and time.

SCAFFOLDING SOLUTION
LABOUR AND MATERIAL SAVINGS

The team from Scafom-rux Peru met with the representatives of the Sacyr Ajani Consortium to find a more labour- and material-saving solution. The solution they came up with was not to support the individual sections of the cantilever arm with shoring, but instead to attach access with ladders directly to the individual sections. This way, the access needed to fix the individual sections could be implemented without shoring.

In fact, this solution proved to be successful, saving valuable working time and material during the construction of the stacker tower. And this was essential for the progress of the project.

RESULT AND OUTLOOK

Since the start of the project in 2018 until today, more than 29,000 people have been involved in the construction of Peru's first so-called digital mine.

In June 2022, the time had finally come and Quellaveco mine operator Anglo American started to unload the first ore to the primary crusher as a commissioning test prior to the start of operations. This is a major step towards the completion of the project, so that the first copper production is expected this year. So Peru's largest current mining investment is in line with the original plans even despite the challenges of the Covid-19 pandemic. For the following year, the goal is set to produce 330,000 tonnes of copper.



> ABOUT SCAFOM-RUX

Scafom-rux is a manufacturer, distributor, and rental supplier of premium quality scaffolding and shoring solutions. Our entire team is dedicated to understanding the needs and requirements of scaffolding professionals in industries like construction, oil & gas, mining, shipbuilding, and more. This way we can provide advice and expertise to find the best possible solution for every scaffolding project worldwide.

If you are planning a challenging project or want to learn more about Scafom-rux products and services, please contact us via:

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- Phone: +51 1 713 0601

Our team will be happy to help with your needs and work with you. For further information about Scafom-rux and our entire product portfolio, take a look at www.scafom-rux.pe.

STRONGER. **TOGETHER.**



> RINGSKAFF FACTS

Scafom-rux modular scaffolding system RINGSKAFF is one of the most recognised scaffolding systems worldwide. RINGSKAFF is extraordinary versatile and exceptionally stable - a fact that has been audited and certified by several experts and institutions.

- Fast and easy assembly and dismantling thanks to Ringlock connection method
- Extremely durable with a load bearing capacity of up to 6.0kN/m²
- Can be used as a modular scaffolding system and/or shoring system
- Very easy to stack, reduced handling and transport costs and few loose components
- Certified compatibility with other leading modular scaffolding systems

