

Ambatovy

Getting trained on **vibration analysis** in Madagascar

Engineers and technicians in charge of maintenance at Ambatovy mine plant in Madagascar attended a level 2 vibration analysis training for the condition monitoring of machines. This training was performed in situ.



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Corporate name
Ambatovy

Business activity
Ambatovy is a Madagascan mining company that produces refined nickel and cobalt. Fully operational, its production should reach 60,000 tons of refined nickel, 5,600 tons of refined cobalt and 210,000 tons of fertilizer in the form of ammonium sulphate.

Workforce
9,000

Ambatovy is a Madagascan mining company that refines and exports nickel and cobalt. Its processing plant covers more than 320 ha and includes a variety of machines whose availability and correct operation must be ensured. Thanks to vibration analysis tools, the «Maintenance and reliability» department performs diagnoses and prevents failures through the implementation of condition based maintenance programmes. Engineers and technicians from this department first attended a level 1 vibration analysis training for the monitoring of machines before calling upon Cetim

to access level 2 certification. « We were looking for an organisation able to provide a qualifying training in French and deliver this service on our site in Madagascar », explains Joselito Rafanomezantsoa, in charge of the «Predictive maintenance» department. Level 1 of this training allows the operators to carry out correct measurements and a first level analysis whereas level 2 provides an in-depth study of machinery faults and their associated vibration diagnosis.

A logic continuation

« This level 2 training is a logic continuation in the progress of the technicians. Its primary aim is to

assess their abilities with respect to what is done internationally. Then, insofar as English is the language used in our company, it allowed a revision and verification of what was known in terms of vibration analysis, in French, our mother tongue », explains Mr Rafanomezantsoa. A trainer from Cetim delivered the level 2 « Vibration analysis for machine condition monitoring » during five days on the Ambatovy site, to a dozen of technicians and engineers. «I was satisfied with this service. Having already worked with Mobius, their partner in terms of support for vibration analysis training, I knew what to expect», concludes Mr Rafanomezantsoa.

Cetim's asset

The Cetim (in collaboration with Prüftechnik) is the only French organisation accredited by Mobius Institute to deliver the training « Vibration analysis for machine condition monitoring » and the associated qualification examination, level 1, 2 and 3 as per ISO 18436-2. The trainers, all level 3 and 4 certified have theoretical knowledge and a practical on-site experience.

