



Mineral sands exploitation of Djaa and Yoo rivers around the town of Akonolinga in Cameroon

Eramet
Akonolinga , Cameroon

Scoping Study

2020

MECATER
INGÉNIERIE

Project description

In November 2019, the company Eramet obtained the exploration permit on the rutile concessions around the city of Akonolinga in Cameroon.

Eramet launched an exploration campaign to identify and confirm the presence of exploitable rutile deposits within these concessions.

Following this campaign, Eramet commissioned Mecater Engineering to develop a conceptual design of mineral sands extraction from Djaa and Yoo rivers.

Key data

Projected annual rutile production : **50 000 tonnes**

Annual volume handled : **3 Mm³**

Total volume to be extracted from the two fields : **28 Mm³**

Volume of clay waste in Yoo's field : **2.7 Mm³**

Volume of clay waste in Djaa's field : **3.1 Mm³**

Volume of mineral sand in Yoo's field : **10.4 Mm³**

Volume of mineral sand in Djaa's field : **11.8 Mm³**

Operating time of Yoo's field : **5 years**

Operating time of Djaa's field : **5 years**

Our services

- Define the concept of a mining extraction method allowing maximum recovery of the alluvial rutile deposit by limiting solid transport ;
- Propose several possible methods ;
- Define, pre-dimension and pre-estimate the cost of each method ;
- Define rehabilitation options of extracted areas for each method ;
- Undertake a brief comparative analysis of the proposed methods.

