

## // Project Experience

# Tasiast Gold Project Phase I



Location: Mauritania  
Scope: Engineering, Procurement & Construction Management (EPCM)  
Completion: 2007

SENET was responsible for all activities related to the design, procurement, construction and commissioning of a gold recovery plant and associated infrastructure for the Tasiast 1.25 Mt/a Gold Project designed with a minimum project life of eight years.

In summary, the process plant consists of a three-stage crushing circuit with a capacity of approximately 250 t/h. The fine-crushed product from the secondary and tertiary crushers are fed at a constant rate (150 t/h) into the ball mill (2 000 kW). The product from the ball mill is then fed via the cyclones to six mechanically agitated tanks, each with a capacity of 1 609 m<sup>3</sup>.

Following on from the CIL circuit, are the acid wash, elution, electrowinning and finally the gold production circuits. Carbon is then regenerated via a diesel-fired rotary kiln.

The project was designed in South Africa, with all mechanical equipment procured in South Africa, and all the structural steelwork was fabricated in Senegal with steel supplied from South Africa. The mill was fabricated in China, and the thickener was fabricated in India, and both were erected in Mauritania.

