



HEMERDON TIN TUNGSTEN PROJECT

SCOPE OF WORK

Process and engineering design for the tin/tungsten concentrator, project infrastructure, water management and site services was undertaken as the lump sum turn-key construction of the full project by GR Engineering. The concentrator receives ore from open cast mining and utilises crushing, gravity and dense media separation as the primary upgrade route for the production of tungsten and tin concentrates.

The primary concentrate is treated by gravity processes (spirals and tabling) followed by flotation and a reduction roasting process to achieve a concentrate which is further upgraded by removal of iron using magnetic separation. The final tin and tungsten concentrates are cleaned using WHIMS before drying and bagging of the final products.

Tailing from the processing facility is deposited into a designed life of mine impoundment with water recycled to the concentrator. The equipment for the project was sourced from Europe, South Africa, UK and USA. The multi-disciplined management team from GR Engineering effectively delivered the project construction which commenced in February 2014 and concluded with commissioning and ramp up in late 2015. On schedule and in accordance with budget, GR Engineering backed the design with a performance warranty to Wolf Minerals.

Representing the first project of its type in the UK minerals sector in 25 years, the Hemerdon project showcased GR Engineering's credentials in delivering large scale, complex, mineral processing facilities anywhere in the world.

Commodity: Tin Tungsten

Region: Europe

Location: Centred on the Drakelands mine development located near Plymouth in county Devon in the United Kingdom

Project Type: Greenfields, lump sum contract

Client: Wolf Minerals Limited (ASX: WLF)

Award Date: March 2013

Completion Date: August 2015

Project Manager: Steve Kendrick

Process Manager: Peter Allen