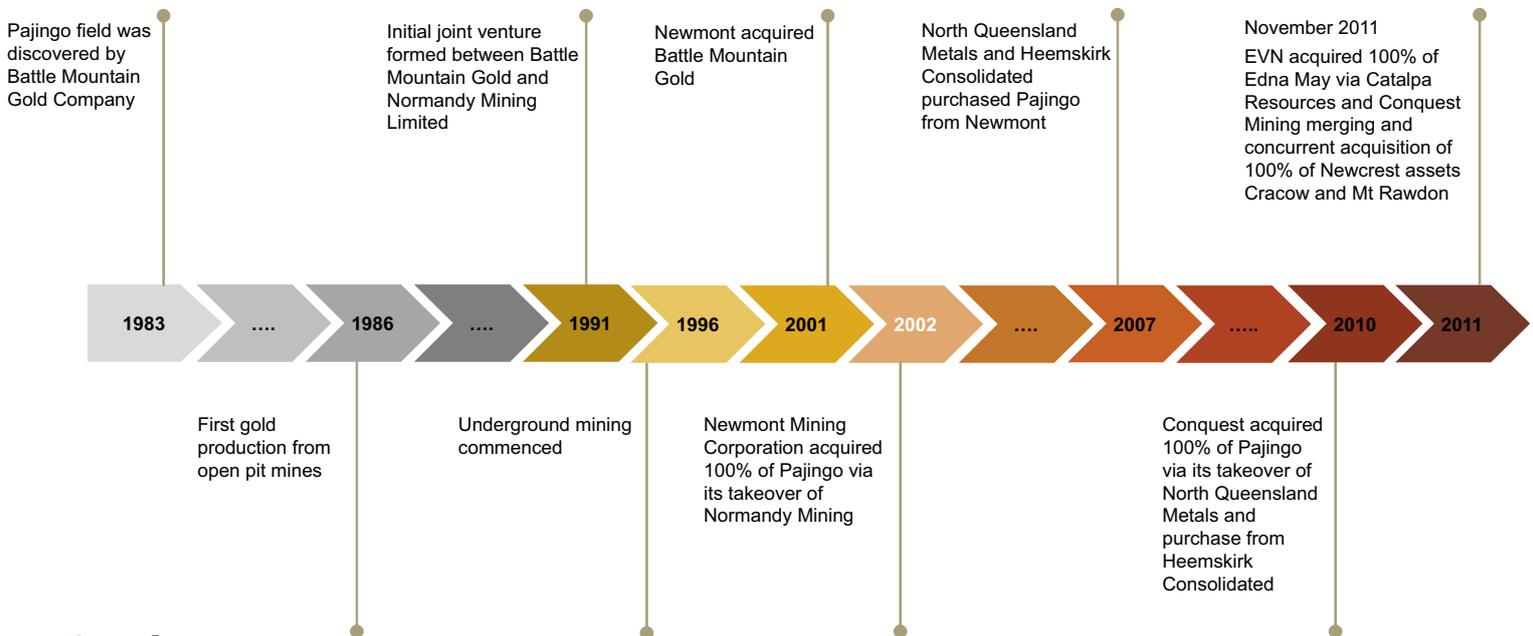


Overview

Evolution Mining is a leading growth focussed Australian gold company forecasting to produce between 770,000oz and 820,000oz gold in FY16. It is also the largest gold producer in Queensland and expected to produce between 332,500oz and 362,500oz gold from its four Queensland assets. Pajingo is forecast to produce between 60,000oz and 65,000oz in FY16 at an average cash cost (C1) of A\$810 - A\$890/oz and AISC cash cost of A\$1,180 - A\$1,260/oz.

Location:	53km south of Charters Towers, Queensland
Producing:	Gold
Site management:	Kerry Payne - General Manager Underground Operations
Mine Site contact number:	+61 7 4793 1200

History



Geology

The Pajingo mine's mineralisation is hosted in structurally controlled epithermal quartz veins within an andesite host rock. In general, veining strikes grid east and is steeply dipping. Mineralisation plunges towards the east, with internal high grade zones plunging towards the west. High grade zones typically return multiple assays >100g/t.

Most ore bodies comprise a main vein, which carries the bulk of the precious metals, and splay veins that can contain economic grades but are less continuous than the main vein. The mineralised structures can vary from less than one metre to 15 metres in width, but are generally one metre to three metres wide.

Reserves: 0.77Mt @ 6.2g/t Au for 155koz gold

Resources: 4.84Mt @ 5.8g/t Au for 923koz gold

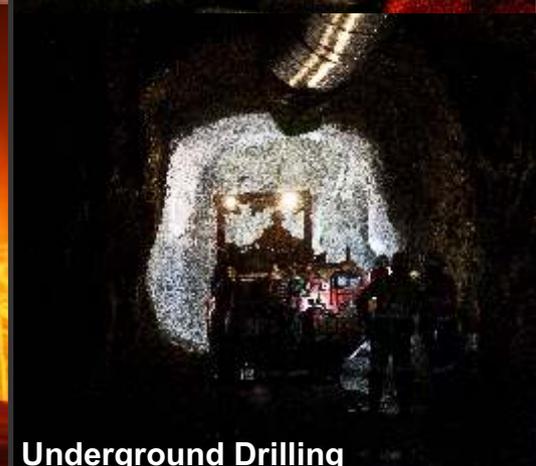
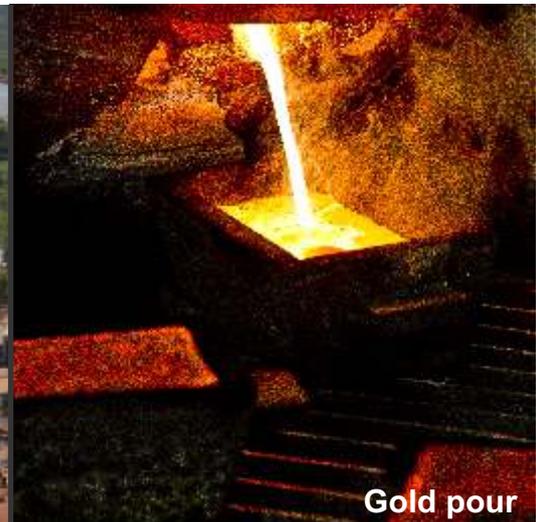
Mining

The Pajingo operation has produced more than 2.7 million ounces since 1996. Underground mining is based on modified avoca and long hole open stoping methods with ore hauled to surface via decline. In FY15 employees continued to work hard to improve the mine's performance through challenging the cost base and improving productivity. These efforts were rewarded by a 12% reduction in C1 cash costs and the grade increased by 16%.



Mining CONT

Mining method/s:	Longhole open stoping
Access:	5m x 5.5m decline; 1:8 average gradient; 450-550m per month of development; 700m vertical depth at the deepest resource - currently five main ore sources accessed through two portals
Ore mined:	310kt per annum (FY14), 690kt (FY13)
Ore milled:	~400kt per annum (FY14), 610kt (FY13)
Mining contractor:	Owner operator
Underground work roster:	7 on 7 off
Underground mine trucks:	3 x Atlas MT6020
Underground loaders:	2 x Sandvik LH621, 1 x Sandvik LH410, 1 x Caterpillar 1600, 1 x Caterpillar 1700G
Typical cycle times (trucks / loaders):	50 minutes, 1:20 hour
Development drills:	2 x Sandvik DD421
Production drills:	2 x Solo LC10
Strata / ground control:	Split sets and cable bolts
Scaling equipment / ancillary equipment:	Hand scaling and Jumbo scaling. No dedicated scaler
Explosives:	Orica ANFO, Jonex perimeter control products
Remote / tele-remote control equipment:	RCT teleremote systems with guidance
Underground communications and reporting products / systems:	Pitram for mine control, leaky feeder communications and SCADA for pump and fan control
Mine planning software:	Vulcan, Surpac, Mine24D, EPS Scheduling
Provider of safety refuge chambers:	MineARC



Processing Plant

Ore treatment/processing method/s:	Free milling and treated by conventional crush-grind-CIP processing to produce gold-silver doré
Yearly average throughput rate:	(FY13): 600ktpa; (FY14): 400ktpa; (FY15): 375ktpa
Nameplate capacity of plant:	650ktpa
Primary crushing/grinding plant/machinery:	Kueken Model 95, 24 x 36 Jaw Crusher, throughput rate = 130tph
Secondary crushing/grinding plant/machinery:	Nordberg HP300 standard cone
Tertiary crushing/grinding plant/machinery:	Nordberg HP300 short head cone
Grinding Plant Equipment:	2100kw primary ball mill and 900kw secondary ball mill
Grinding Media:	Forged steel balls primary mill and high chrome balls secondary ball mill
Screening plant / equipment:	Metso double deck ripple flow screen 1.8 x 4.8m. Top deck screen size 32mm, bottom deck 20mm
Mineral liberation/recovery method:	CIP (Carbon in pulp)
Mineral//recovery plant/ equipment:	2 x leach tanks - live volume of 900m ³ each. 8 x adsorption tanks
Cyclone Feed pumps:	Warman 8" x 6"
Chemicals/reagents used:	Cyanide, hydrochloric acid and caustic supplied by Orica. Lime supplied by Cement Australia, oxygen supplied by Air Liquide and flocculent supplied by Chemiplas
Refining plant/equipment:	Electrowin - split AARL circuit with two 2.8m length x 1m depth x 1m width electrowinning cells each containing 18 stainless steel cathodes. Furnace - A200 model
Process control system:	Scada
Maintenance system:	Pronto
Production work roster:	12 hour shifts: campaign milling 8/6 or equivalent
Maintenance work roster:	Even time 12 hour shifts

General

Accommodation:	Residential accommodation in Charters Towers
Mine Workforce:	Approximately 239 employees & contractors
Safety / Environment / Community:	Evolution strives to enable all work activities related to its operations to be carried out safely and with all reasonable measures taken to remove or reduce risks to the health, safety and welfare of personnel, plant and equipment. Evolution is committed to attaining an outstanding level of environmental performance in all of its workplaces. Evolution has a strong corporate culture and a commitment to proactively and positively engage with the communities in which we operate. We recognise the need to consult with and understand the values, needs, beliefs, traditions and sensitivities of the communities in which we operate.



Process Flowsheet

