



**Kazakhmys PLC** 

**2012 Trading Update** 

**28 February 2013** 

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**Oleg Novachuk** 

**Chief Executive Officer** 

### **2012 HIGHLIGHTS**



# Strong operational performance

- Metal production in line with guidance
- Growth in power generation
- Continued focus on Health & Safety

# **Growth projects progressing** well

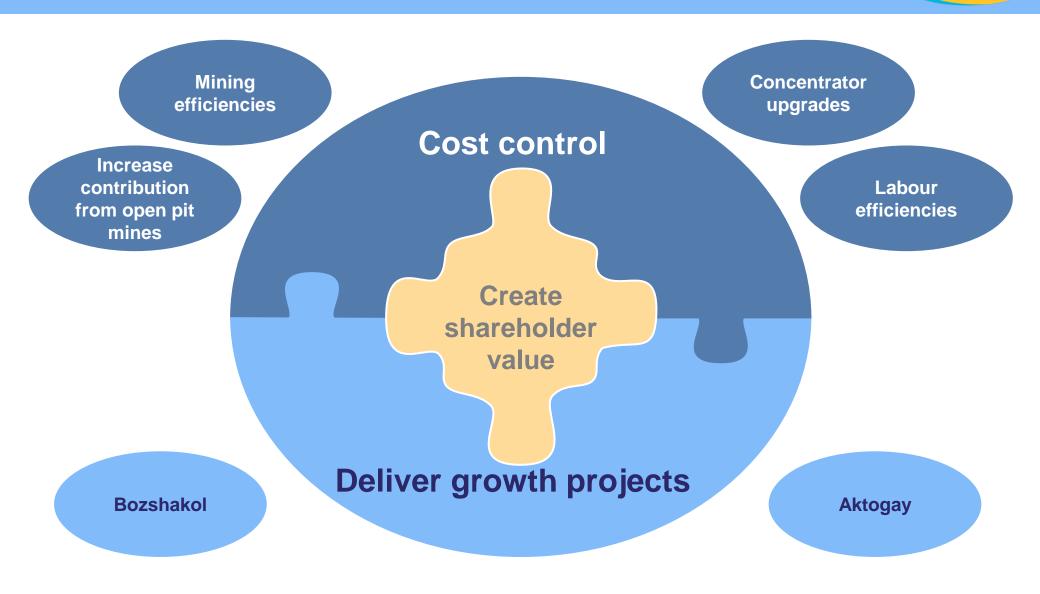
- Bozshakol on track and on budget
- Aktogay moved to development stage
- Ekibastuz GRES-1:
  - Unit 8 commissioned Q4 2012
  - Unit 2 to complete by end of 2014 (capacity increase to 3,500 MW)

#### **Financial performance**

- Segmental EBITDA \$1.36 billion
- Net cash cost 174 USc/lb
- Net debt \$707 million
- Balance sheet flexibility
  - Long dated debt for projects

# **PRIORITIES**





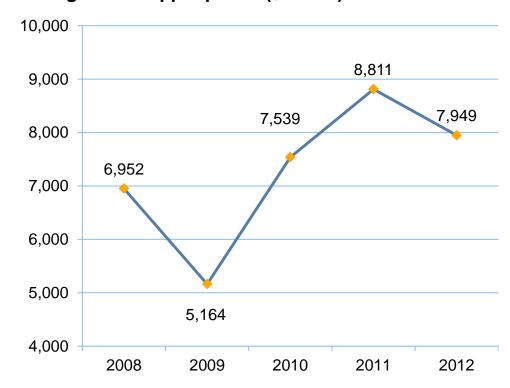


# **FINANCIAL HIGHLIGHTS**



Key financial indicators		
\$m (unless otherwise stated)	2012	2011
Segmental EBITDA	1,364	1,959
Free Cash Flow	85	824
Net cash cost of copper, USc/lb	174	114
Net (debt)/funds	(707)	19

### **Average LME copper prices (\$/tonne)**



# **SEGMENTAL EBITDA**



#### Segmental EBITDA<sup>1</sup>

\$m (unless otherwise stated)	2012	2011
Kazakhmys Mining	1,160	1,808
EBITDA margin	35%	52%
Kazakhmys Power	208	176
EBITDA margin	58%	55%
Ekibastuz GRES-1 <sup>2</sup>	189	162
EBITDA margin	65%	63%
Other	(4)	(25)
Segmental EBITDA	1,364	1,959

#### **Kazakhmys Mining EBITDA**

- Realised copper price down 8%
- Cost pressures from labour, transportation and higher ore volumes

#### **Kazakhmys Power EBITDA**

- Growth in sales volumes and realised tariffs
- Higher margin domestic sales increased

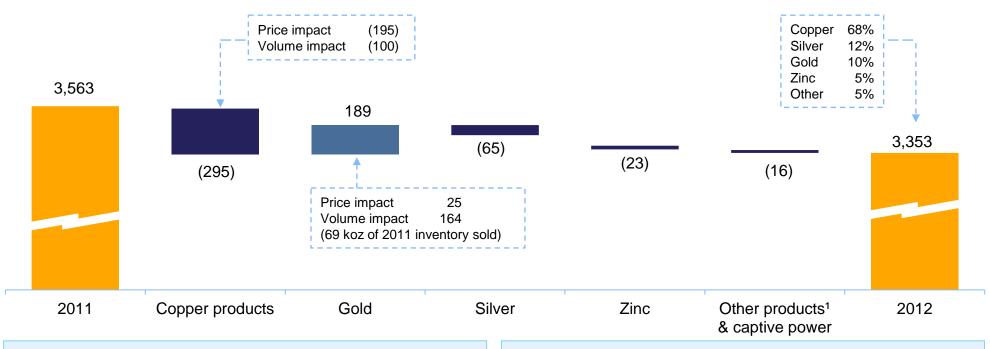
Notes 1. Excluding ENRC, MET, the non-cash component of the charge relating to the disability benefits obligation and special items.

2. Includes Maikuben coal mine until 17 May 2011.

# **REVENUE VARIANCE**



#### 2011 – 2012 Revenue reconciliation (\$m)



- 8% decrease in realised copper price
- Reduction in copper sales volumes
  - Increase in inventories of 10 kt
- Strong silver and gold output and sales

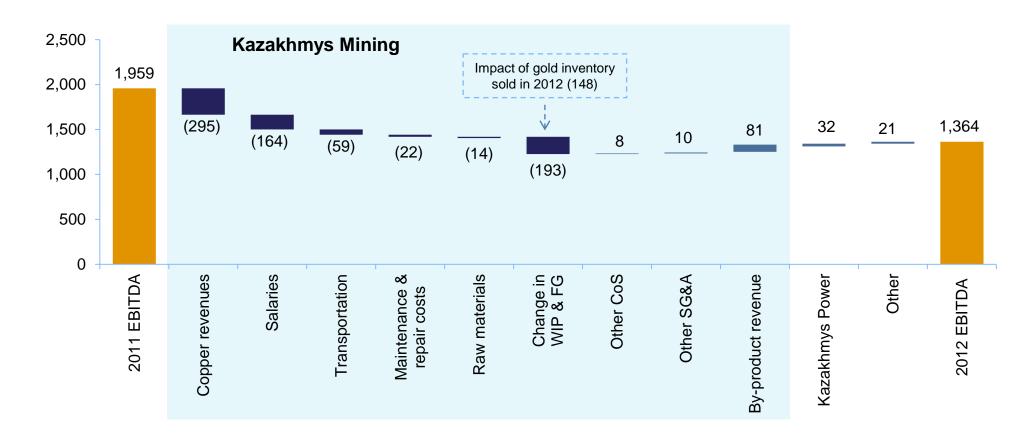
- Copper sales split by destination:
  - China/Asia: 65% (2011: 64%)
  - Europe: 27% (2011: 32%)
  - CIS: 8% (2011: 4%)

Notes: 1. Includes coal, sulphuric acid, lead products and other.

# **EBITDA VARIANCE**



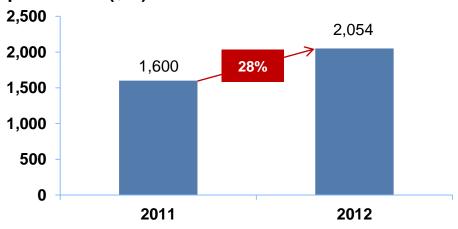
#### 2011 to 2012 Segmental EBITDA reconciliation (\$m)



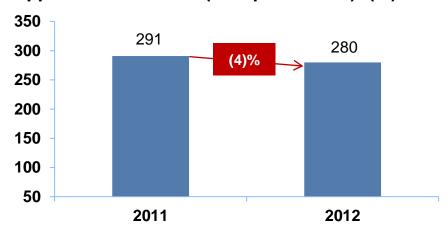
## **COST PRESSURES**



# Kazakhmys Mining gross cash cost of own production (\$m)



#### Copper sales volumes (own production)<sup>1</sup> (kt)



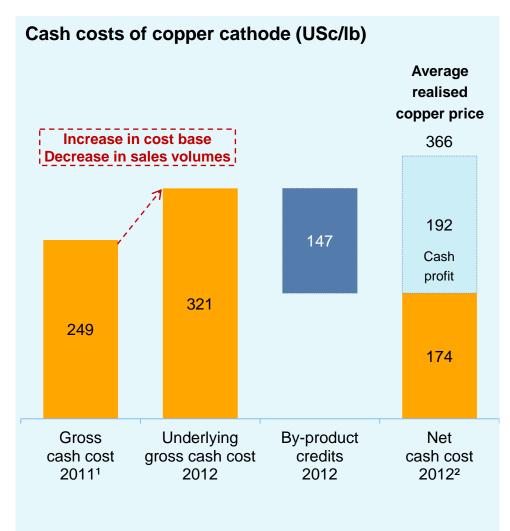
Notes: 1. Excludes sales from purchased concentrate.

#### Operational cost drivers:

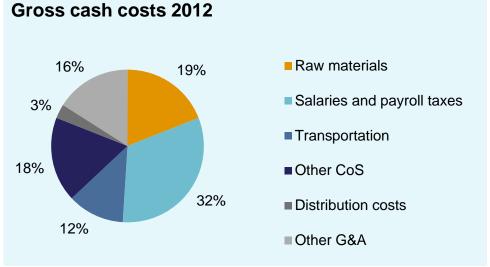
- Increase in ore extraction 12%
- Increase in ore processed 12%
  - Cu grade reduction to 0.95% (2011:1.01%)
  - Decrease in copper recovery rate
- Inflationary pressures:
  - Increase in employee costs
  - Transportation:
    - Increase in outsourced tariffs
    - Higher ore volumes transported

# **COPPER CASH COSTS**





	(USc/lb)
Underlying gross cash cost 2012	321
b/f 2011 gold inventory (\$74 million)	12
Reported gross cash cost 2012	333

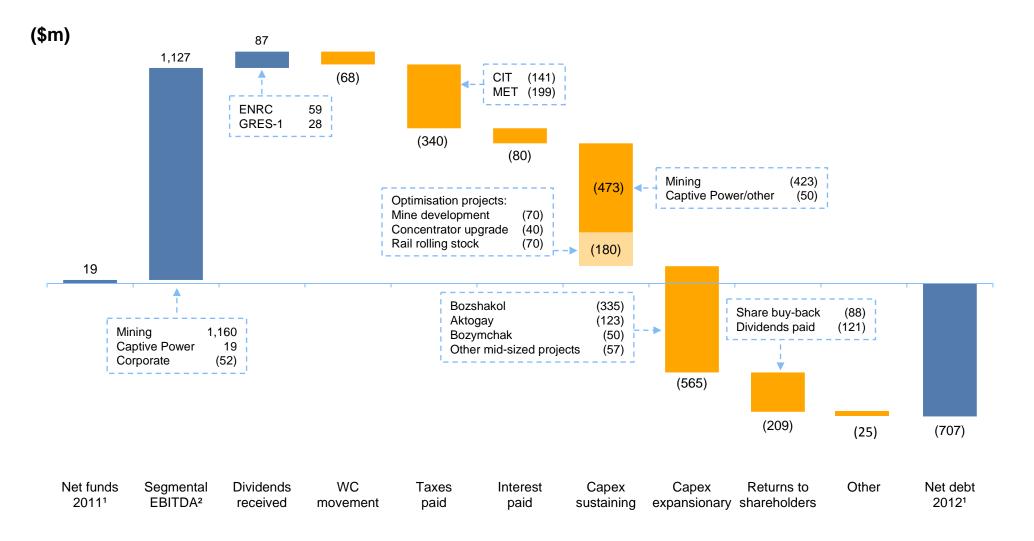


Notes: 1. Kazakhmys Mining cash operating costs excluding purchased concentrate and MET, divided by the volume of copper cathode sales from own production.

2. Kazakhmys Mining cash operating costs excluding purchased concentrate and MET, less by-product revenues, divided by the volume of copper cathode sales from own production.

# **2011 TO 2012 MOVEMENT IN NET DEBT**





1. From continuing operations. Includes cash and cash equivalents, current investments with a maturity of 3 to 6 months (liquid funds), less borrowings.

2. Segmental EBITDA excluding Ekibastuz GRES-1 and MKM.

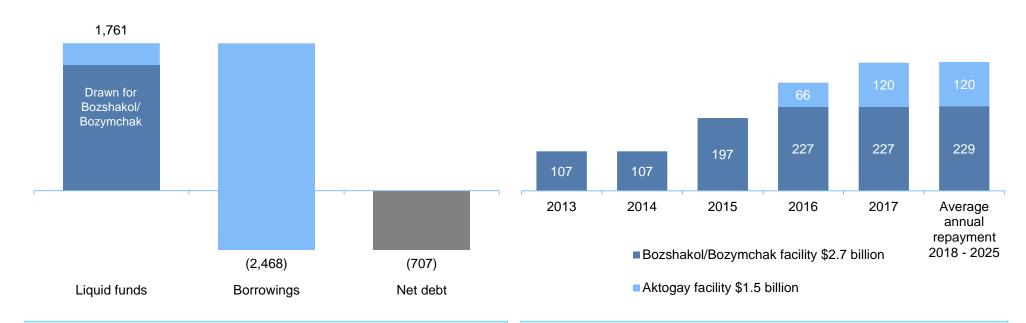
Notes:

# **CAPITAL AND DEBT MANAGEMENT**



#### Net debt (\$m)

#### Expansionary projects debt repayment profile (\$m)



- Committed debt facilities for major projects
  - Long dated maturity of 12 to 15 years
  - Balance sheet covenants only

- \$2.1 billion corporate facility fully repaid December2012
- New \$1.0 billion corporate facility signed December 2012
  - Reserve liquidity

### **FINANCIAL OUTLOOK 2013**



#### **Cash cost**

- Underlying gross cash cost to increase 8 12%
  - Kazakhstan inflation and higher ore volumes
  - Minimal salary increases
  - Operational efficiencies
- Net cash cost
  - Lower gold inventory brought forward

#### **Financing**

- Bozshakol/Bozymchak \$2.7 billion facility fully drawn
- Aktogay \$1.5 billion \$450 million to be drawn in 2013

#### **Sustaining capex 2013**

- Mining Division: \$450 550 million
  - Includes mine development and concentrator projects of \$150 million
- Captive power stations: \$70 90 million

### **Expansionary capex 2013**

- Bozshakol: \$700 800 million
- Aktogay: \$550 650 million
- Bozymchak: \$70 100 million
- Mid-sized projects: \$100 million



### **HEALTH AND SAFETY**



#### Continuing focus on health and safety

- 19 fatalities in 2012 (2011: 24)
- LTIFR of 1.78 in 2012 (2011: 1.55)
- Expanded long-term Group-wide education and training scheme
- Improving reporting practices
- Improvement of safety standards for working with contractors

#### 2013 targets

- Our goal zero fatalities
- To reduce total number of incidents by at least 20%
- Continue implementation of improved safety standards (progress – 70%)
- Roll out Emex, the incident reporting and evaluation programme, across the Group
- Continue work with DuPont on safety culture change



### **2012 METAL PRODUCTION**



#### **Copper production**

- Ore output up 12%
- Commissioning of Konyrat and Itauz open pits
- Copper ore grade reduced to 0.95% (2011: 1.01%)
- Increased output from Akbastau open pit and capacity upgrade at Karagaily concentrator

#### **By-product production**

- Zinc and gold output in line with full year targets
- Silver ahead of guidance, reflecting higher than anticipated grade

# **Copper** cathode

Actual 2012

292<sub>kt</sub>

**Guidance 2012** 

285-295kt

#### **Zinc**

in concentrate

Actual 2012

152kt

**Guidance 2012** 

150<sub>kt</sub>

#### Gold

production

Actual 2012

129<sub>koz</sub>

**Guidance 2012** 

120<sub>koz</sub>

# **Silver** production

Actual 2012

12,643<sub>koz</sub>

**Guidance 2012** 

12,000koz

### **2013 PRODUCTION OUTLOOK**



#### **Copper production**

- Increased ore extraction 7 12%
- Ramp up of Konyrat mine and Itauz open pit
- Copper ore grade 0.85 0.90%
- North Nurkazgan to commence in Q4 2013 1.3 kt of copper in 2013, 3 - 6 kt of copper p.a. when ramped up
- Commissioning of heap leaching operation at Shatyrkul in Q1 2013 - 3 kt of copper p.a.

#### **By-product production**

- Reduction in grades zinc and silver
- Bozymchak production to commence end 2013:
  - 35 koz of gold in concentrate p.a.
- Abyz gold mine reconstruction to be completed H2 2013
  - To extend the mine life by 5 years

### Copper

cathode guidance

2013

285-295kt

#### **Zinc**

in concentrate quidance

2013

125kt

#### Gold

production guidance

2013

100<sub>koz</sub>

#### **Silver**

production guidance

2013

11,000<sub>koz</sub>

# **KAZAKHMYS MINING: OPERATIONAL INITIATIVES**



#### 2012 implementation

Mining

- 21% output from open pits (2011: 9%)
- Reorganisation of mines at Zhezkazgan
- Developed low cost heap leaching of oxides at Shatyrkul and North Nurkazgan

**Processing** 

- Upgrade of Nikolaevsky concentrator 8% increase in copper recovery achieved by year end
- New reagent testing at several concentrators
- Increasing processing capacity at Balkhash concentrator

Labour

• Introduction of programme to improve labour productivity

## **KAZAKHMYS MINING: OPERATIONAL INITIATIVES**



#### 2013 targets

- Mining
- Continue to increase open pit mining (25% in 2013)
- Commence heap leaching operations at Shatyrkul and North Nurkazgan
- Ore transportation optimisation at Zhezkazgan and West Nurkazgan (new conveyors)

# **Processing**

- Complete Nikolaevsky concentrator upgrade to increase recovery rates
- Roll-out new reagents initiative
- Complete capacity increase at Balkhash concentrator

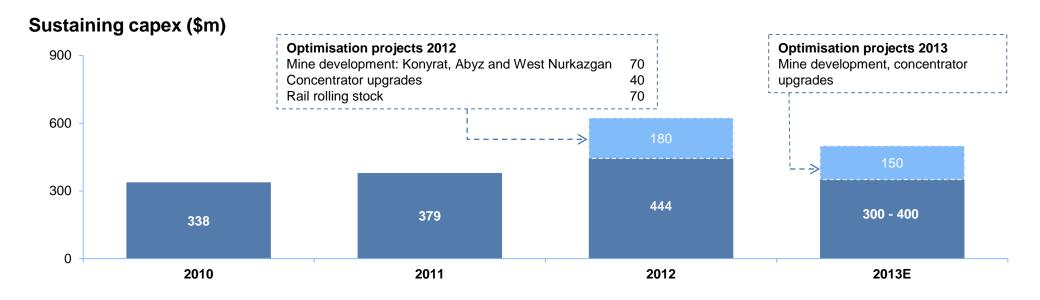
Labour

- Continue programme to improve labour productivity
- Reduction in social assets

Estimated efficiencies \$150 million per annum by 2014

# **KAZAKHMYS MINING SUSTAINING CAPEX**





#### 2012

- Increase in mine development to facilitate future extraction
- Upgrade of Nikolayevsky and Balkhash concentrators
- \$40 million spent on equipment which improved operating conditions and health and safety

#### 2013

- Optimisation of existing assets:
  - Capital expenditure reflects mine development projects: West and North Nurkazgan, Konyrat and Abyz
  - Concentrator upgrades





Mian Khalil

**Head of Projects** 

## **BOZSHAKOL – TRANSFORMATIONAL PROJECT**



### **Progress during 2012**

- Construction camp established
- Water supply line completed
- Major earthworks 80% complete
- Concrete work started for major plant areas
- Steel work started for major plant areas

#### Plan for 2013

- Complete main access road
- Complete majority of concrete works
- Erect main process buildings
- Deliver and install grinding mills and drives
- Deliver and install major mechanical equipment
- Construct 220 kV power line to site
- Start assembly of mine haul trucks



Notes: 1. Gearless Mill Drive.



#### **Reclaim tunnel – October 2012**



**Reclaim tunnel – February 2013** 





**Grinding and flotation building – October 2012** 



**Grinding and flotation building – January 2013** 





## **Concentrator building – February 2013**





**Primary crusher – February 2013** 



**Tailings thickener – February 2013** 



# **AKTOGAY – TRANSFORMATIONAL PROJECT**



#### Plan for 2013

- Use current site infrastructure to support erection of temporary facilities
- Start earthworks in April 2013
- Complete procurement of all major equipment
- Pour main foundations and start steel erection of non-process buildings
- Begin site-wide general electrical works
- Start building haul roads from mine to heap leach area
- Start leach pad construction
- Start SX-EW footings and foundations
- Start concentrator footings and foundations





2016

Mobilisation to site Jan 2013



# **AKTOGAY – EXISTING INFRASTRUCTURE**



#### **Cranes**



**Powerline** 



**Rail Spur** 



Camp





**KAZAKHMYS** 

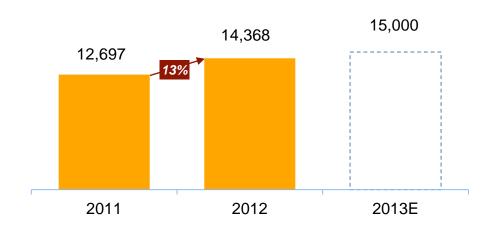
**Oleg Novachuk** 

**Chief Executive Officer** 

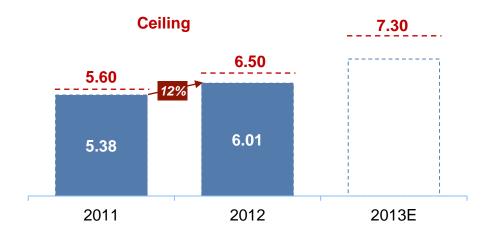
## **EKIBASTUZ GRES-1: OPERATIONAL REVIEW**



#### Net power generation<sup>1</sup> (GWh)



#### Average realised tariffs 2011-2012 (KZT/kWh)



#### Generation

- Increased demand for power in Kazakhstan
  - Total sales increased by 13%
  - Domestic sales increased by 19%

#### Tariffs

- Realised tariffs 12% higher
  - Ceiling tariff increased in Q2 2012
  - 5% of electricity sold to Russia

#### **EBITDA**

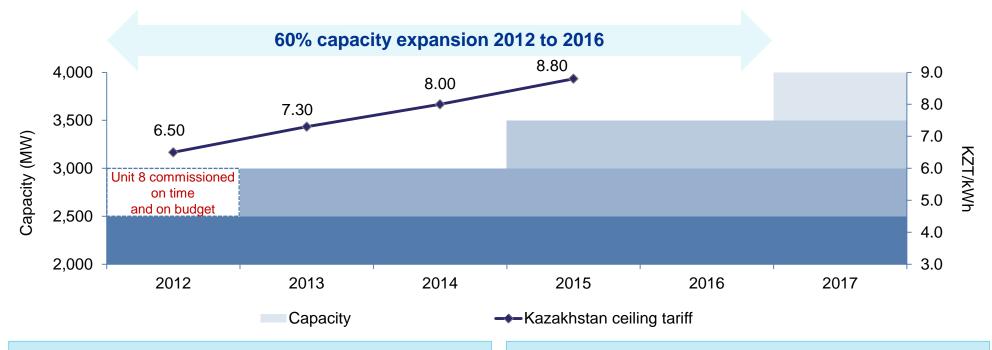
- 2012 \$378 million on 100% basis (2011: \$316 million<sup>2</sup>)
  - Margin of 65% (2011: 63%)

Notes: 1. The results are for 100% of the business.

2. Includes Maikuben coal mine until 17 May 2011.

# **EKIBASTUZ GRES-1: MODERNISATION PROGRAMME**





# \$1 billion programme to expand capacity remains on budget and ahead of schedule

- Completed commissioning of first dormant unit in Q4 2012
  - Total modernisation cost \$156 million
- Completion of second dormant unit expected end 2014
  - Estimated cost \$410 million
- Rehabilitation of third dormant unit to commence in 2013
  - Estimated cost \$460 million

#### **Environmental improvements**

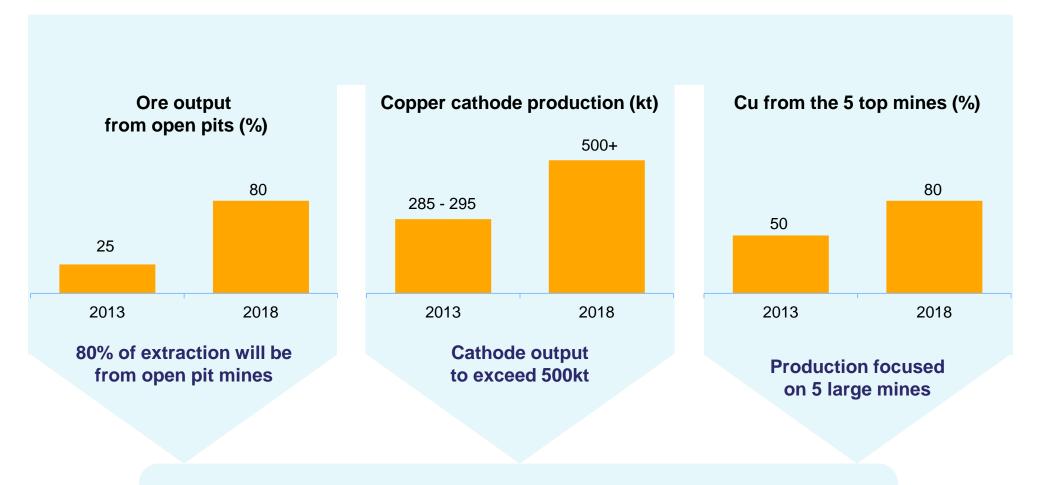
- Raising efficiency and improving emission standards
  - Three ESPs installed in 2012
  - Further ESPs to be installed on all operating units by end 2013

# **KAZAKHMYS: KEY PRIORITIES FOR 2013**



Health and safety	Continue to implement H&S improved standards  Zero fatalities target
Cost control and optimisation	Major focus on operational efficiencies
Capital allocation	Reduce sustaining capital expenditure Optimise capital structure and non core assets Driven by shareholder value
Growth projects	Build operational team for the growth projects Continue development on time and on budget





Globally competitive cost position



# **BOZSHAKOL – TRANSFORMATIONAL PROJECT**



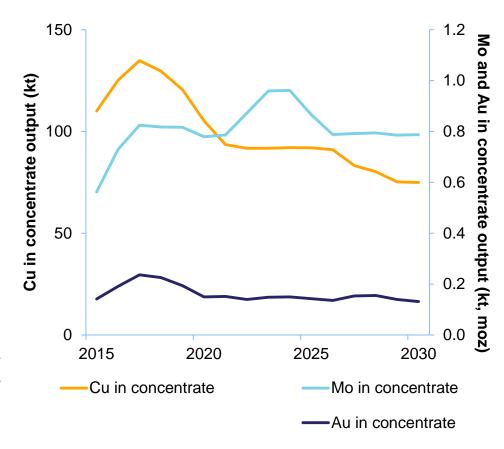
#### **Key statistics**

- Large scale open-pit processing 30 MT ore annually
- Total copper cathode equivalent production of 3,099 kt
- By-products include 5,255 koz of contained gold and 57 kt of contained molybdenum
- Production life of over 40 years, with average production of 100 kt of copper cathode equivalent in first 10 years
- Employee numbers estimated 1,500 at full operation
- Close proximity to existing infrastructure
- Gross cash cost 120 to 140 USc/lb¹
- Net cash cost 50 to 70 USc/lb<sup>2</sup>
- Total anticipated project capital cost \$1.9 billion

#### Mineral Resource<sup>3</sup>

Tonnage	Cu grade	Au grade	Ag grade	Mo grade
(MT)	(%)	(g/t)	(g/t)	(%)
1,173	0.35	0.14	0.88	

#### **Production schedule: Key metals**



Notes: 1. Estimated gross cash cost over the first 10 years of the mine's operations expressed in real terms.

- 2. Estimated net cash cost over the first 10 years of the mine's operations, calculated using a long-term gold price of \$1,000 per ounce, expressed in real terms.
- 3. Includes indicated and inferred material. Stated at 0.2% Cu cut-off grade. In accordance with JORC code.

## **AKTOGAY – TRANSFORMATIONAL PROJECT**



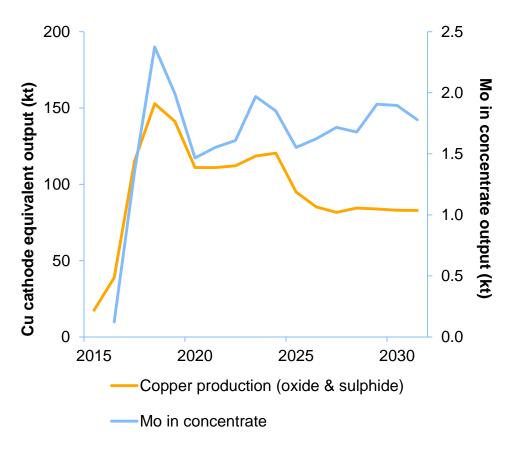
#### **Key statistics**

- Large scale open-pit processing on average 25 MT ore annually (sulphide ore)
  - 31 MT on average for the first 10 years
- Total copper cathode equivalent production:
  - 224 kt from oxide ore
  - 4,032 kt from sulphide ore
- Total molybdenum in concentrate production of 74 kt
- First copper production in 2015 (oxide)
- Production life of over 50 years, with average production of 104 kt copper cathode equivalent in first 10 years
- Employee numbers estimated 1,500 at full operation
- Gross cash cost 120 to 140 USc/lb¹
- Net cash cost 110 to 130 USc/lb<sup>2</sup>
- Total anticipated project capital cost \$2 billion

#### Mineral Resource<sup>3</sup>

	Tonnage (MT)	Cu grade (%)	Mo grade (%)
Oxide	121	0.37	-
Sulphide	1,597	0.33	0.008

#### **Production schedule: Key metals**



- Notes: 1. Estimated gross cash cost over the first 10 years of the mine's operations expressed in real terms.
  - 2. Estimated net cash cost over the first 10 years of the mine's operations, calculated using a long-term molybdenum price of \$30,500 per tonne, expressed in real terms.
  - 3. Includes measured and indicated material. Stated at 0.2% Cu cut-off grade. In accordance with JORC code.

# REVENUES, OPERATING PROFIT AND SALES VOLUMES



### **Operating profit**

\$m	2012	2011
CONTINUING OPERATIONS		
Revenues	3,353	3,563
Cost of sales	(2,023)	(1,619)
Gross profit	1,330	1,944
Selling and distribution expenses	(64)	(64)
Administrative expenses	(805)	(751)
Net operating (expense)/income	(17)	5
Impairment losses	(202)	(9)
Share of profits from joint venture	126	100
Operating profit	368	1,225

# Revenues from continuing operations and joint venture

\$m	2012	2011
Kazakhmys Mining	3,285	3,499
Copper	2,275	2,570
Silver	414	479
Zinc	154	177
Gold	322	133
Other <sup>1</sup>	120	140
Captive power	68	64
Total revenues	3,353	3,563
Ekibastuz GRES-1 <sup>2</sup>	290	233

### **Kazakhmys Mining sales volumes**

kt (unless otherwise stated)	2012	2011
Copper cathode equivalent sales	282	293
Copper cathodes	259	265
Copper rod	23	28
Zinc	151	146
Silver (koz)	13,206	13,526
Gold (koz)	193	86

Notes: 1. Other revenue includes coal, lead, sulphuric acid, etc.

2. Ekibastuz GRES-1 on a 50% basis.

# **CASH FLOW**



Summary cash flow			Working capital movements <sup>2</sup>
<u>\$m</u>	2012	2011	\$m 2012 2011
Segmental EBITDA before ENRC & GRES-11	945	1,221	(Kazakhmys Mining (20) 131
Impairment losses	220	462	Kazakhmys Power 40 (9)
Non-cash component of employee benefits obligation	(149)	-	MKM (18) 89
Loss on disposal of assets	23	-	Other 62 (57)
Dividends from associate and joint venture	87	113	Total 64 154
Working capital movements <sup>2</sup>	64	154	Capital expenditure \$m 2012 2011
Interest paid	(85)	(66)	Kazakhmys Mining 1,168 602
Income tax paid	(142)	(341)	Sustaining 603 367
MET paid	(199)	(264)	Expansionary 565 235
Foreign exchange and other movements	(17)	(35)	Kazakhmys Power 47 40
Net cash flows from operating activities	747	1,244	Kazakhmys Petroleum - 20
Sustaining capital expenditure	(662)	(420)	MKM 11 16
Free Cash Flow	85	824	Corporate 3 1
Expansionary and new project capital expenditure	(567)	(259)	Total 1,229 679
Major social projects	(12)	(36)	
Dividends paid	(121)	(129)	Net debt \$m 2012 2011
Purchase of own shares under the Group's share buyback programme	(88)	(78)	Cash and liquid funds 1,761 1,912
	3	111	Borrowings (2,468) (1,893)
Cash related to disposal of subsidiaries <sup>3</sup>		111	Short-term (29) (525)
Other	(11)	4	Long-term (2,439) (1,368)
Cash flow movement in net (debt)/funds	(711)	437	Total (707) 19

Notes: 1. Excluding MET and the non-cash component of the charge relating to the disability benefits obligation, but including special items.

<sup>2.</sup> Working capital movements exclude any accruals in respect of MET and non-current VAT on major projects.

<sup>3</sup> Cash related to disposal of subsidiaries in 2011 includes Maikuben West coal mine and Kazakhmys Petroleum.

# **CASH COST RECONCILIATION**



# **Kazakhmys Mining cash cost**

\$m (unless otherwise stated)		2012	2011	
Revenue		3,285	3,499	
EBITDA excluding special items		1,160	1,808	<ul> <li>Increased gross cash cost driven by increased ore volumes and inflationary</li> </ul>
Gross cash cost		2,125	1,691	pressures
Other adjustments		(71)	(91)	There is a similar adjustment each period to exclude costs related to the former
Gross cash cost of own production		2,054	1,600	
Sales volumes (own production)	kt	280	291	concentrate, non-copper related social spend and other non-production
Gross cash cost of own production	c/lb	333	249	
By-product credits		(983)	(870)	69 koz of gold bar sold from inventory
Net cash costs of own production		1,071	730	
Net cash costs of own production	c/lb	174	114	■ Within 2012 guidance of 160 - 190 USc/lb