

KMG INVESTOR PRESENTATION

October 2019



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KMG IS THE VERTICALLY INTEGRATED MARKET LEADER IN KAZAKHSTAN



International assets are KMG International (Petromidia, Vega) in Romania and Batumi Oil Terminal in Georgia

(1) KMG has 20.0%, 10.0% and 8.44% shareholdings respectively (2) KMG group headcount as at 31 December 2018 Source: Company data

CREDIT HIGHLIGHTS AND VALUE CREATION OPPORTUNITIES

KMG is focused on providing shareholder returns and operating in a safe and responsible manner for the benefit of all our stakeholders

	Metric	2017	2018	1H 2019	
Upstream	Oil and condensate production, mt	23.4	23.6	11.7	1 KMG benefits from strategic location with proximity to key ex
F AT	Gas production, bcm	8.0	8.1	4.2	2 Differentiated upstream portfolio of scale and quality with attra potential underpinned by unique pre-emption right
Midstream	Crude oil transportation, mt	74.8	75.0	38.9	3 Strong operational performance at upstream assets, expected upside from mega projects in medium-term, stable production fields
iČi	Gas transportation, bcm	100.9	111.6	50.1	4 KMG benefits from control over Kazakhstan's midstream sector continues to contribute to cash flow stability and earnings dive
Downstream	Refining in Kazakhstan, mt Refining in Romania, mt	12.2 6.0	13.4 6.3	6.7 3.3	 Modernization program completed in 2018 led KMG to full cov domestic demand for petroleum products and export of oil prov European and Central Asian markets KMG continues to demonstrate solid financial performance wit strengthening capital structure and deleveraging
	Revenue, US\$ mn	14,701	20,275	8,971	 7 KMG has strong commitment to best practices in HSE and sus
Financials	EBITDA, US\$ mn	3,728	5,404	2,888	development and adheres to strong corporate governance star
ilii	FCF, US\$ mn	876	1,022	339	



UPDATE ON 2019 DEVELOPMENTS

Upstream	 1H 2019 production in line with the plan, KMG is on track to achieve its annual production plan; In April 2019, KMG and LUKOIL obtained subsoil use rights for the offshore Zhenis area. Estim. extractable reserves (C3) ~65.1 mt; In June 2019, KMG and LUKOIL signed a HoA of the project "I-P-2". Estimated extractable reserves (C1) ~15.1 mt; In July 2019, KMG and Eni S.p.A. obtained subsoil use rights for the offshore Abai area; From May to September 2019, KMG agreed to jointly study/research oil and gas potential at some areas in Kazakhstan with BP, Lukoil and Equinor.
Corporate	 In February 2019, KMG completed the sale of retail network in Kazakhstan; In April 2019, Mr. Luis Maria Viana Palha Da Silva was elected as BoD Member – Independent Director of KMG; In May 2019, Mr. Anthony Espina was elected as BoD Member of KMG representing core shareholder Samruk-Kazyna; In accordance with a Presidential decree, KMG will fund the construction of new social facilities (a 7,000-seat stadium and congress hall) in Turkestan for a total amount of KZT 21 bn.
	a. In March 2010, KMC obtained the concent of the holders of Eurobanda maturing in 2022, 2023, 2027 and 2044 for (1) alignment of the covenant

In March 2019, KMG obtained the consent of the holders of Eurobonds maturing in 2022, 2023, 2027 and 2044 for (1) alignment of the covenant package with the terms of the latest 2018 Eurobonds issue and (2) early repayment of Eurobonds in the amount of US\$ 30.1 mn due for repayment in 2044;

Financial

- In August 2019, KMG and KTG jointly issued a financial guarantee (each responsible for 50%) to refinance the loan obtained by Beineu-Shymkent Gas Pipeline LLP, for the amount of US\$ 720 mn in order to improve terms of the financing;
- o In August 2019, Moody's rating agency affirmed KMG's long-term rating at Baa3, with the outlook changed from stable to positive;
- As of 30 September 2019, KMG has made an advance US\$ 1.6 bn settlement of TCO oil prepayments, of which US\$ 1.1 bn settled ahead of schedule.

DIFFERENTIATED UPSTREAM PORTFOLIO

487 484 484 479 463 **Mega fields** 125 130 132 125 120 24 23 23 24 22 15 21 110 109 109 109 110 **KMG-operated** 62 63 63 63 63 56 57 58 56 57 89 86 82 82 78 2017 2018 1H 2018 1H 2019 2016 Other Embamunaygas Mangistaumunaygas Ozenmunaygas Kashagan Karachaganak Tengiz 22,639 23,362 23,606 11.769 11,704 th. tonnes

Oil and gas condensate production

kbopd⁽¹⁾⁽²⁾, net to KMG

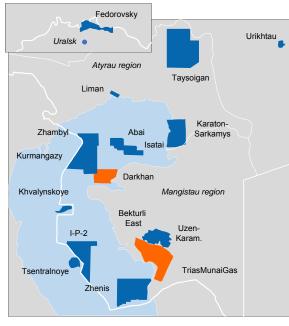
- In 1H 2019 KMG's share in Kashagan oil production was down by 7.6% YoY primarily due to the scheduled overhaul of onshore and offshore complexes and related production halt from 14 April to 19 May 2019;
- KMG's share in Karachaganak oil production decreased by 5.4% YoY mainly on the back of high gas-condensate factor and increasing water-cut;
- KMG's share in Tengiz oil production increased by 1.5% YoY as a result of stable operations and increased reliability of the Sour Gas Injection / Complex Technology Lines / Second Generation plants;
- KMG's share of oil production in KGM and PKI was down by 11% YoY as a result of organic decline in oil production;
- Scheduled overhauls during 2H 2019 are: 1) Tengiz's KTL plant overhaul with a duration of 42 days in August 2019, 2) overhaul at Karachaganak with a duration of 30 days in September 2019.

MEGA PROJECTS DEVELOPED IN PARTNERSHIP WITH GLOBAL LEADERS

Project and WI	Tengiz (TCO), WI 20%	Kashagan (NCOC), WI 8.44%	Karachaganak (KPO), WI 10%
Snapshot			
Key highlights	 One of the largest fields globally and the largest in Kazakhstan (~32% of country's liquids production) First production: 1991; contract expiry: 2033 Reserves (ABC1) as of 2018YE - 11.8 bn boe 2018 production 626 kbopd Cumulative dividends from 2011 to 2018 - US\$ 7.3 bn 	 One of the largest and most complex off-shore fields in the world, discovered in 2000 First production in 2013 with restart in 2016; contract expiry: 2041 Reserves (ABC1) as of 2018 YE - 9.9 bn boe 2018 production 287 kbopd EBITDA contribution in 2018 - US\$ 99 mn 	 One of the largest gas-condensate fields in the world (~12% of Kazakhstan's liquids production) First production: 1984; contract expiry: 2037 Reserves (ABC1) as of 2018 YE - 7.6 bn boe 2018 production 541 kboe/d Cumulative dividends for 2017 and 2018 – US\$ 103 mn
Ownership	Соложита 20.0% Сесто 25.0% Сесто 50.0%	Тотас 16.81% КазМунайГаз 7.56% 8.44% 8.44% ЕхопМоbil 16.81%	КазМунайСаз 10.00% ГОСОМАНУ 13.50% Спечтот 18.00% Свечтот 18.00% Свечтот 29.25%
Gross HC production	602 627 626 660	16.81% 16.81% 21 180	225 242 236 232
(kbopd ⁽¹⁾)	2016 2017 2018 1H 2019	2016 2017 2018 1H 2019	2016 2017 2018 1H 2019
	Future Growth Project aims to be completed by 2022 at a planned cost of US\$ 36.8 bn with oil production expected to increase to 12mt (or approximately by ~50%)	Option to buy additional 8.44% from SK valid from 2020 to 2022	Debottlenecking project of up to 4 bcm of additional raw gas that will be used for reinjection with an aim to maximize incremental liquids production by an additional 10 mt, expected to be completed by the end of 2021 at a planned cost of US\$ 1.1 bn

(1) For information purposes only: individual barrelization rates were applied for oil and gas condensate per ton Source: Company data

NEW PARTNERSHIPS FOR JOINT EXPLORATION IN 2019 AND BEYOND



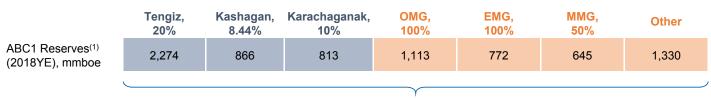
Active Prospective

New subsoil use rights:

- April 2019 KMG, the MoE of RK and LUKOIL obtained a contract on offshore exploration and production of hydrocarbons at Zhenis. Based on KMG and LUKOIL estimates extractable reserves (C3) of the project are 65.1 mt;
- June 2019 KMG and LUKOIL signed a contract on the principles of the project "I-P-2". Based on LUKOIL estimates extractable reserves (C1) of the project are 15.1 mt;
- July 2019 the MoE, KMG and Eni S.p.A. signed a contract on hydrocarbons exploration and production on Abai area.

Recent agreements signed:

- May 2019 KMG and BP signed an MoU for the joint study and research of the available technical data, existing KMG fields, and third parties;
- September 2019 KMG and LUKOIL signed an agreement for joint geological research to assess the hydrocarbon potential of some parts of the Kazakhstan;
- September 2019 KMG and Equinor signed an agreement on the joint geological and geophysical studies to assess the hydrocarbon potential of oil and gas areas in Kazakhstan.

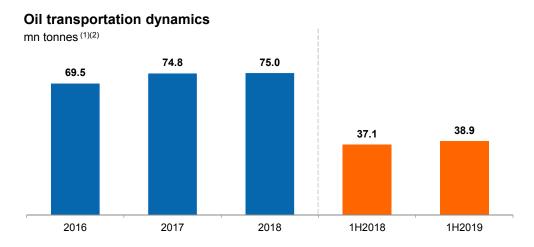


Total 7,813 mmboe⁽²⁾, of which oil condensate – 65%, gas – 35%

(1) Net to KMG, ABC1 category

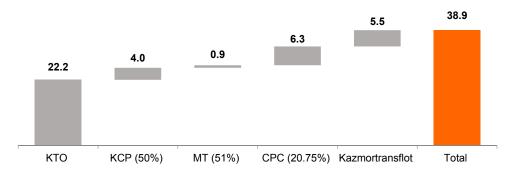
(2) For information purposes only, the following conversion rate applied: 7.6 barrels of oil or gas condensate per ton and 6.6 barrels of oil equivalent per thous. cubic meters of gas Source: Company data

EFFECTIVE CONTROL OVER THE COUNTRY'S KEY OIL TRANSPORTATION ASSETS

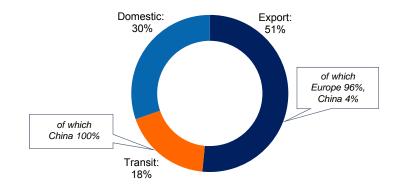


Oil transportation assets structure for 1H2019

mn tonnes (1)(2)



Net oil pipeline transportation by directions for 1H2019⁽³⁾



Oil transportation capacity, mn tonnes

	CPC	KMTF	KTO (Atyrau-Samara)	KCP (Atasu-Alashankou; Kenkiyak-Kumkol)	MunaiTas (Kenkiyak-Atyrau)
Current capacity	67 ⁽⁴⁾	11	17.5	20; 10	6

Key highlights

- CPC transportation capacity has been increased from 56 mtpa to 67 mtpa in 2017 in line with growing production at Kashagan and TCO;
- The project of reverse of Kenkiyak-Atyrau pipeline is being realised in accordance with its schedule and is expected be completed in 2020. The project aims to allow transport of 6 mt of oil from western Kazakhstan to Pavlodar and Shymkent refineries and increase exports to China.

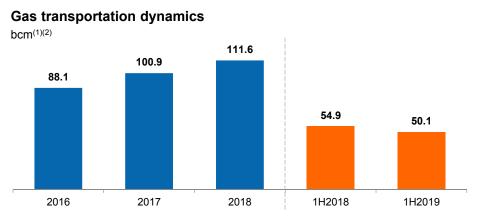
(1) The oil volume includes KTO (100%) + MT (51%) + KCP (50%) + CPC (20.75%) + KMTF (100%)

(2) Consolidated crude oil and gas transportation volume includes crude oil and gas transportation volume of each individual pipeline company in accordance with KMG operating share. Some volumes can be transported by two or three pipeline companies (3) The breakdown of oil volumes was estimated on the basis of net oil pipeline transportation volumes 26.9 mt

(4) Current capacity as of YE2018 (including Kazakhstan segment - 53.7 mt)

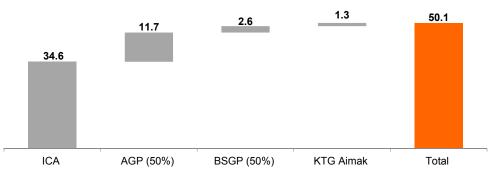
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MIDSTREAM GAS: BENEFICIAL GEOGRAPHICAL LOCATION ENHANCES ACCESS TO KEY EXPORT MARKETS



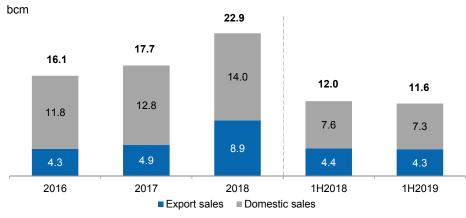
Gas transportation assets structure for 1H2019

bcm⁽¹⁾⁽²⁾



Net gas pipeline transportation by directions for 1H2019⁽³⁾: Transit – 65%, Domestic – 19%, Export – 16%

KTG gas sales volumes



Gas transportation capacity, bcm

	ICA	AGP	BSGP	KTG
Current capacity	158	55	13.6	3.7

Key highlights

- 5-year contract signed in October 2018 with PetroChina doubling gas exports to China from 5 bcm to 10 bcm starting in 2019;
- AGP capacity has been expanded from 52 bcmpa to 55 bcmpa in 2018. BSGP increased the capacity from 10 bcm to 13.6 bcmpa in 2018 with target capacity of 15 bcmpa in 2019;
- In December 2018, the President of Kazakhstan approved the construction of Saryarka gas pipeline, which has been completed in October 2019 and seeks to provide a stable gas supply to central regions of Kazakhstan and Nur-Sultan.

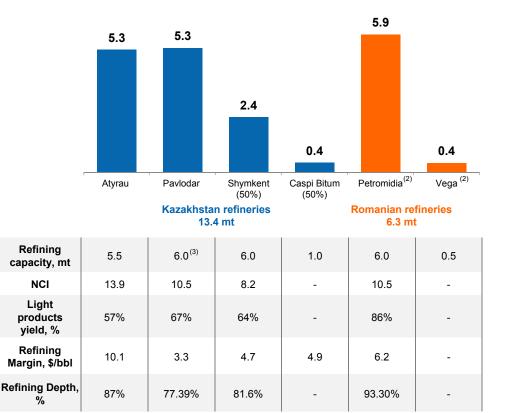
(1) The oil volume includes ICA(100%) + AGP (50%) + BSGP (50%) + KTG Aimak (100%)

(2) Consolidated gas transportation volume includes crude oil and gas transportation volume of each individual pipeline company in accordance with KMG operating share. Some volumes can be transported by two or three pipeline companies

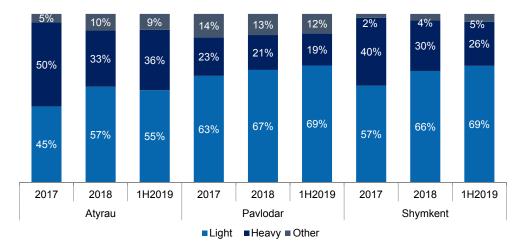
FOLLOWING MODERNISATION KMG NOW FULLLY COVERS DOMESTIC DEMAND FOR PETROLEUM PRODUCTS

Refined volumes in 2018

mn tonnes, net⁽¹⁾



Production yield per 1000 kg of crude (effect of modernisation)



Effect of modernisation at Kazakhstan refineries:

- Modernization program completed in 2018 led KMG to full coverage of domestic demand for petroleum products and export of oil products to European and Central Asian markets;
- Starting from January 2018, Kazakh refineries are capable to produce motor fuel of higher classes (K4 and K5 that corresponds to Euro-4 and Euro-5 standards);
- Refining capacities were increased at Atyrau by 28% (to 5.5 mt) and at Shymkent by 24% (to 6 mt);
- As of June 2019, light oil products yield was increased to 55% at Atyrau, to 69% at Pavlodar and to 69% at Shymkent.

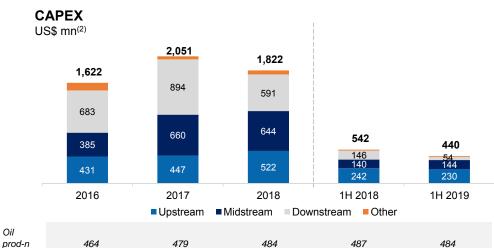
(1) The refining volume includes Atyrau (100%) + Pavlodar (100%) + Shymkent (50%) + Petromidia (100%) + Vega (100%) + Caspi Bitum (50%) (2) Working interest at Petromidia and Vega: 54.63%

(3) As of October 2019, Pavlodar refinery can refine 5.1 mt of oil per year without loss in the quality of oil products (K4, K5) and 6 mt with a slight decrease in quality

KEY FINANCIAL INDICATORS

EBITDA⁽¹⁾⁽³⁾ US\$ mn⁽²⁾ 5,404 3,728 3,007 2,783 2017 2018 1H 2018 2016

54.19



71.06

70.58

(kbopd)

Brent,

\$/bbl

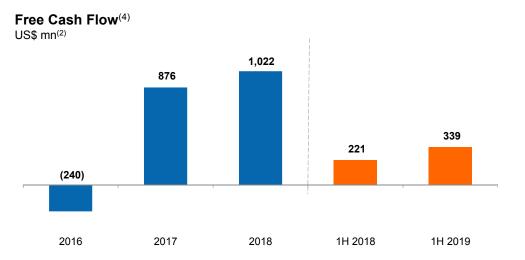
43.73

(1) Calculated with relevant adjustments made for assets classified as held for sale;
 (2) Converted to US\$ at the following average exchange rates: 2016 – 341.76, 2017 – 326.08, 2018 – 344.71, 1H 2018 – 326.53, 1H 2019 – 379.29
 (3) KMG calculates EBITDA for any relevant period as "Revenue + Finance income – Cost of sales – G&A expenses – Transportation and selling expenses + DDA + Share in profit of JVs and associates";
 (4) KMG calculates FCF for any relevant period as "CFO + TCO prepayments, net – Capex + Dividends received from JVs and associates";
 (5) Other: PetroKazakhstan Inc., Kazakhoil Aktobe, KazRosGas and MunayTas Source: Company data

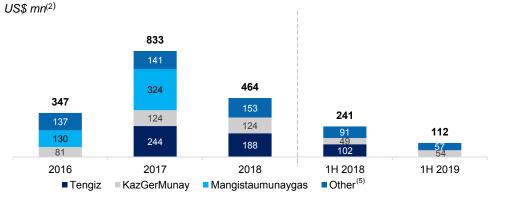
2,888

1H 2019

69.95

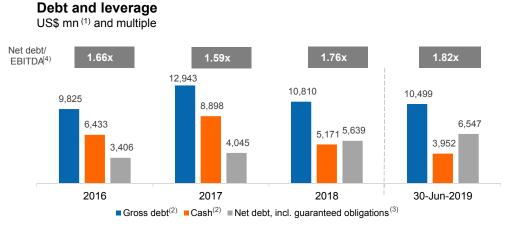


Dividends received from JVs and associates



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COMMITMENT TO FINANCIAL DISCIPLINE AND FOCUS ON EFFICIENCY

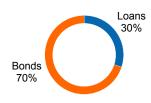


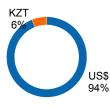
Highlights

1,819

- In August 2019, Moody's rating agency affirmed KMG's long-term rating at 0 Baa3 with outlook changed from stable to positive;
- Cash held in foreign banks and local banks accounts for 63% and 37%, 0 respectively.

Debt structure as of 30 June 2019





KMG credit ratings

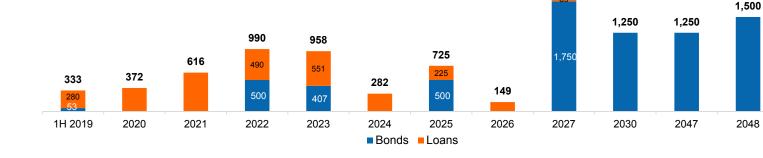
Moody's	S&P	Fitch
Baa3 positive	BBB-	BBB- stable
Ba1	BB+	BB+
Ba2	BB positive	BB
Ba3	BB-	BB-

Kazakhstan credit ratings

Moody's	S&P	Fitch
Baa3	BBB-/A-3	BBB

Debt maturity profile as of August 2019

US\$ mn



Converted to US\$ at the following period-end exchange rates: 2016 – 333.29, 2017 – 332.33, 2018 – 384.20, 1H 2019 – 380.53
 Calculated with relevant adjustments made for assets classified as held for sale
 Beineur-Shymkent Gas Pipeline LLP (50% owned by KMG)
 Net debt/ EBITDA multiple is calculated in accordance with Bond definition for covenant testing. Tested on semiannual basis

Source: Company data

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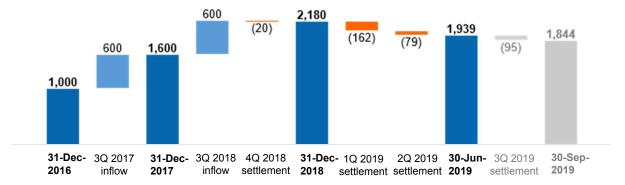
TCO AND KASHAGAN PREPAYMENTS ACCELERATED IN 2019

US\$ mn 3,000 500 250 250 2,750 (250) (250)(250) (250) 2,250 (250)(250)(250) (407)(796)



Kashagan⁽¹⁾ crude oil prepayments movement US\$ mn

TCO crude oil prepayments movement



TCO crude oil deliveries:

Total minimum delivery volume approximates 38 mn tonnes of crude oil and 1mn tonnes of LPG, until March 2021.

1,047

574

(606)

Kashagan crude oil deliveries:

Kashagan prepayments will be settled by crude oil supply within January 2019 - August 2025.

(1) Prepayments are at Kashagan B.V. level (50% owed by KMG) Source: Company data

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FOCUS ON HSE AND SUSTAINABLE DEVELOPMENT

1.02

IOGP

2018⁽¹⁾

0.65

2018

0.20

2018

Continued commitment to improve HSE KPIs



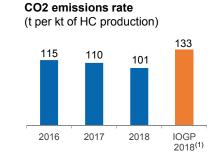
Fatal Accident rate (per 100 mn man hours) 4.5 3.25

2017

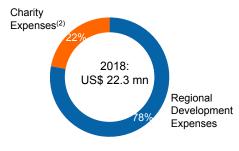
2016

0.24

2016



Social responsibility



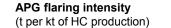
SOx emissions (t per kt of HC production)

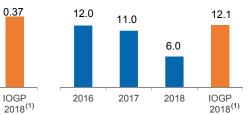


NOx emissions (t per kt of HC production)

0.24

2017





Selected initiatives in 2018:

- 1,627 children diagnosed with infantile cerebral paralysis received free physiotherapy
- o 1,306 families received psychological, social and legal aid
- o Construction of a youth center in Kyzylorda
- Construction of kindergartens, secondary school and sport center in the villages of Sagyz and Karabau

ESG ratings

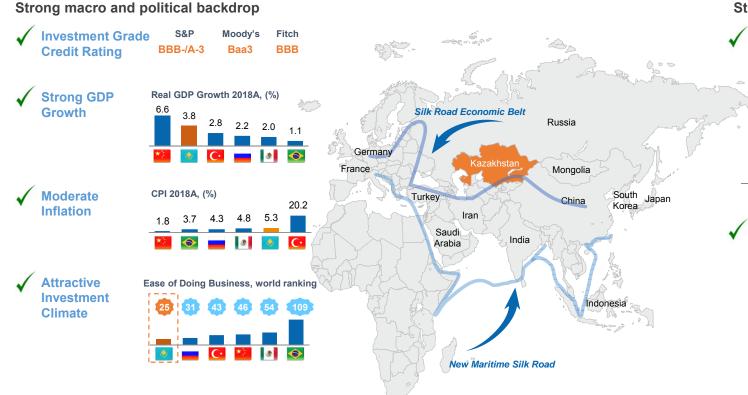
Sustainalytics	MSCI
52	BBB
average performer	average

 International Association of Oil & Gas Producers' average
 KMG takes part in charity initiatives through the Samruk-Kazyna Trust Source: Company data

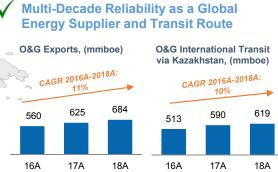
APPENDIX

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KAZAKHSTAN: ATTRACTIVE MACROECONOMIC ENVIRONMENT, STRONG GEOPOLITICAL POSITION



Strategic location



Attractive Exposure to One Belt, One Road Initiative

 Located on the overland 'Belt' route, Kazakhstan can be turned into a major Eurasian transport and logistics hub

> 51 Kazakh-Chinese projects

US\$27bn Total Amount of

Investment

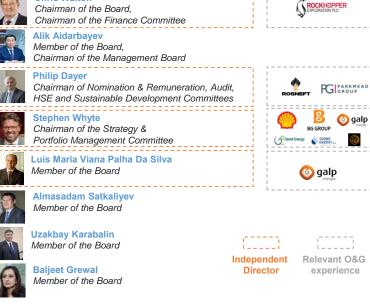
ROBUST CORPORATE GOVERNANCE

Key principles

- o Independent Chairman
- INEDs have majority seats in and chair all committees
- o Board committees:
 - Audit
 - Finance
 - Nomination & Remuneration
 - Strategy & Portfolio Management
 - HSE and Sustainable Development
- Experienced management team with over 20 years of relevant experience on average



Anthony Espina Member of the Board



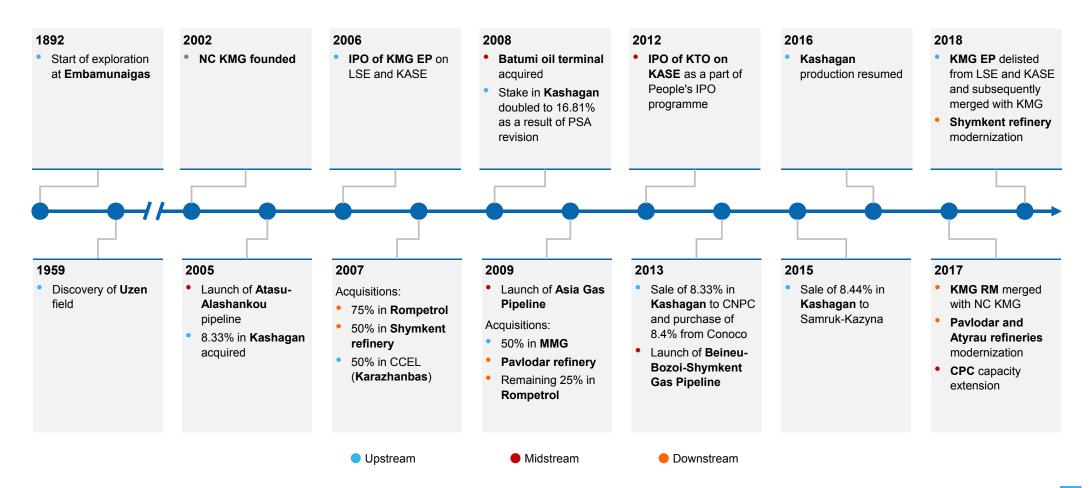
lan	agement Board	Industry experience	Tenure at KMG
	Alik Aidarbayev CEO, Chairman of the Management Board	29	14
9	Dauren Karabayev Chief Financial Officer	18	3
	Zhakyp Marabayev Chief Operations Officer	35	11
	Kairat Sharipbayev Deputy Chairman for Transportation and Marketin	g 18	18
	Kurmangazy Iskaziyev Deputy Chairman for Geology and Exploration	26	26
	Daniyar Tiyessov Deputy Chairman for Oil Refining and Marketing	20	20
	Daniyar Berlibayev Chief of Oil Transportation, International Projects	22	22
	Dauletzhan Khassanov Managing Director for HR	23	23
	Yessen Kairzhan Managing Director for Procurement and Logistics	34	12

Μ

Strong track record of equity and debt capital markets transactions

	🙆 КазМұнайГаз	🙆 КазМұнайГаз	🙆 КазМұнайГаз	KazTransOil	🙆 КазМұнайГаз	🙆 КазМұнайГаз	🙆 КазМұнайГаз
KMG EP IPO	US\$3.0bn Eurobond	US\$1.5bn Eurobond	US\$1.5bn Eurobond	People's IPO	US\$1.5bn Eurobond	US\$2.75bn Eurobond	US\$3.25bn Eurobond
	<u> </u>	•	4	<u> </u>	<u> </u>	<u> </u>	• •
2006	2008	2009	2010	2012	2014	2017	2018

KMG MILESTONES



KMG GROUP STRUCTURE

UPSTREAM	MIDSTREAM	DOWNSTREAM	OTHERS
 Mega projects: Tengizchevroil (TCO) - 20% Karachaganak (KPO) - 10% Kashagan - 8.44%⁽¹⁾ Operating fields: Ozenmunaigas (OMG) - 100% Mangistaumunaigaz (MMG) - 50% Embamunaigaz (EMG) - 100% Kazgermunai (KGM) - 50% Petrokazakhstan Inc (PKI) - 33.0% Karazhanbasmunai (KBM) - 50% KazakhOil Aktobe (KOA) - 50% KazakhTurkmunai (KTM) - 100% KazMunayTeniz - 100% 	 KazTransOil - 90% Kazakhstan China Pipeleine (KCP) - 50% Munai Tas - 51% Batumi Oil Terminal - 100% CPC - 20.75%⁽²⁾ Kazmortransflot - 100% KazTransGas - 100% ICA - 100% AGP - 50% KTG Aimak - 100% BSGP - 50% KazRosGas - 50% 	 Pavlodar refinery - 100% Atyrau refinery - 99.53% Shymkent refinery - 49.72% KMG International - 100% Petromidia refinery - 54.63% Vega refinery - 54.63% 	 KMG Nabors Drilling Company - 49% KMG Parker Drilling Company - 49% KMG Automation - 49%

FINANCIAL SUMMARY

macro	unit	2016	2017	2018	6M 2018	6M 2019
Brent, average	\$/bbl	43.73	54.19	71.06	70.58	65.95
Exchange rate, average	KZT/USD	341.76	326.08	344.71	326.49	379.29
Exchange rate, period-end	KZT/USD	333.29	332.33	384.20	341.08	380.53
Revenue	KZT bn	3,574	4,794	6,989	3,356	3,403
Revenue	US\$ mn	10,458	14,701	20,275	10,280	8,971
Share in profit of JVs and assoc-s	KZT bn	270	415	697	337	445
Share in profit of JVS and assoc-s	US\$ mn	791	1,273	2,023	1,033	1,174
	KZT bn	1,028	1,216	1,863	909	1,095
EBITDA	US\$ mn	3,007	3,728	5,404	2,783	2,888
Net Profit	KZT bn	360	525	694	360	622
Net Ploit	US\$ mn	1,054	1,611	2,012	1,102	1,641
	KZT bn	554	669	628	177	167
Capex (on accrual basis)	US\$ mn	1,622	2,051	1,822	542	440
Dividends received from JV-s and	KZT bn	119	272	160	79	42
associates	US\$ mn	347	833	464	241	112
Free Ceeh Flow	KZT bn	(82)	286	352	72	128
Free Cash Flow	US\$ mn	(240)	876	1,022	221	339
Grees Dabt	KZT bn	3,274	4,301	4,153	4,528	3,995
Gross Debt	US\$ mn	9,825	12,943	10,810	13,275	10,499
Cash and denseits	KZT bn	2,144	2,957	1,987	2,364	1,504
Cash and deposits	US\$ mn	6,433	8,898	5,171	6,931	3,952
Not Dobt	KZT bn	1,135	1,344	2,167	2,167	2,491
Net Debt	US\$ mn	3,406	4,045	5,639	5,639	6,547
Net Debt/EBITDA	Х	1.66	1.59	1.76	1.79	1.82

CONTACTS

KMG INVESTOR RELATIONS

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ANNUAL REPORT 2018

Link: http://ir.kmg.kz/storage/files/272ede75d8454f06/KMG_ANNUAL_REPORT_2018_ENG.pdf

SUSTAINABILITY REPORT

Link: http://www.kmg.kz/eng/ustoichivoe_razvitie/reports/

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