



# 2016 Strategy Update New Platform to Deliver on Assets Modernization

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### Strategy Update 2016 – Agenda

- Strategic vision | Andrey Bugrov
- Operations Update | Sergey Dyachenko
- Investment Governance and Portfolio Update | Sergey Dubovitskiy
- Markets | Anton Berlin
- Financial Strategy and Results | Sergey Malyshev
- Corporate Governance | Andrey Bugrov







## Strategic vision

Andrey BUGROV
Deputy Chairman of the Board,
Senior Vice-President

## Strategic Goals for 2016–2018 – "Three Years of Assets Modernization"

#### 2013-2015

#### "Round 1": Building Efficiency Platform

- ROIC/Tier I/capital discipline strategy adopted
- Refocusing on Tier I assets
- Successive "quick wins" CapEx, working capital, operating costs
- Non-core and Non-Tier I disposals









#### 2016-2018

#### "Round 2": Assets Modernization

- Delivering on downstream reconfiguration / Closure of 1942 Nickel Plant
- Advancing on Environmental Protection / "One site" solution for the sulfur project
- Redefining copper value chain
- Launch of the new asset Bystrinskiy project
- Verification of the business case for upstream growth optionality



## Capital Discipline in Action – **Delivery on Norilsk Strategy "Round 1"**



80

60

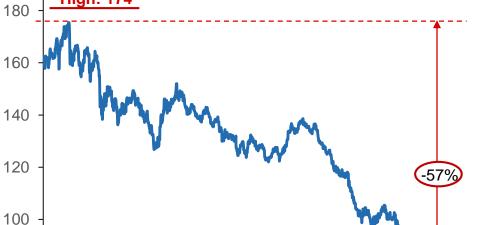
2011

**NORILSK NICKEL** 

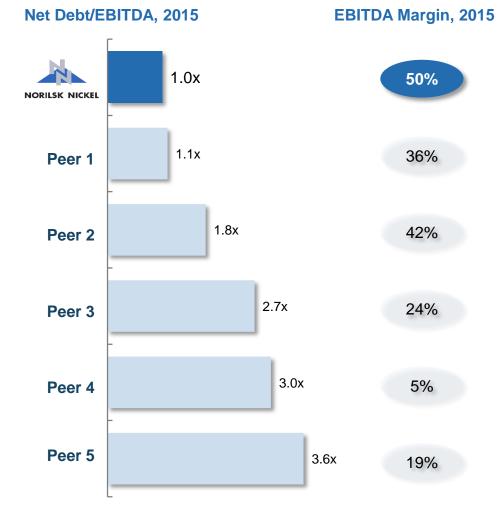
2012

2013

### Bloomberg commodity index, bp 200 **High: 174**



#### ... Norilsk Delivered Industry-leading Financial **Results While Maintaining Conservative Leverage**



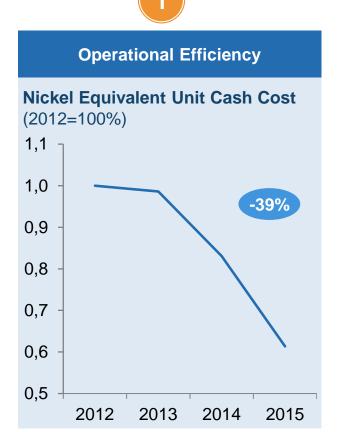
2014

2015

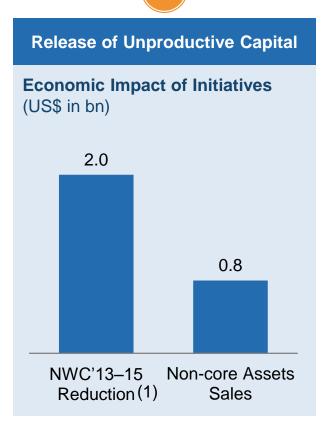
2016

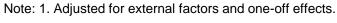
## Capital Discipline in Numbers – Quick Wins of Norilsk Strategy "Round 1"









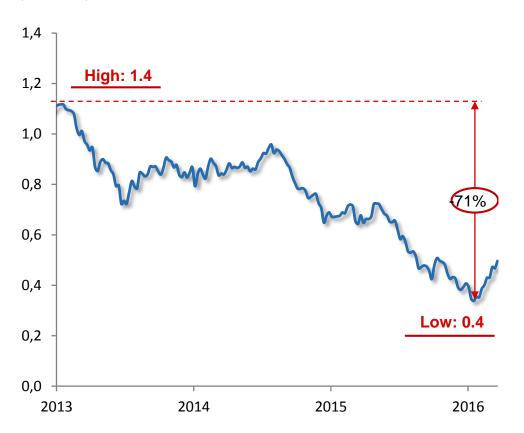




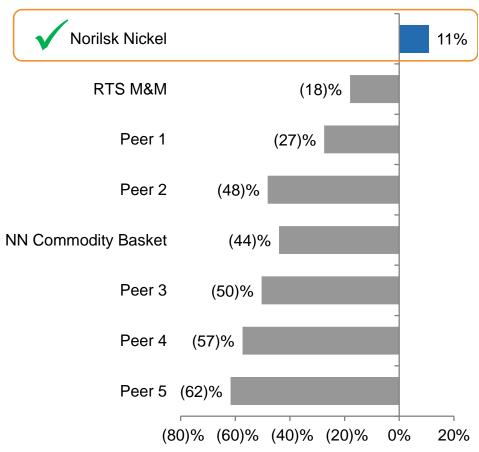
### **Industry-Leading Shareholder Returns**

## While the Global Metals & Mining Industry Lost Almost US\$1.0 trillion in Shareholder Value...

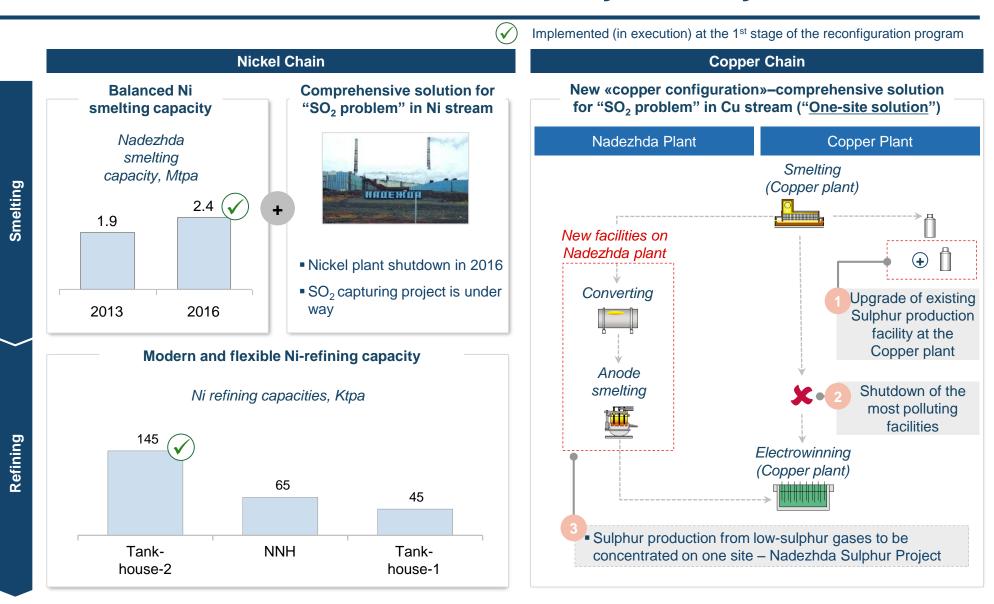
Market Capitalisation of MSCI World Metals & Mining Index (US\$ in trln)



#### Norilsk Nickel Delivered Positive and Industry Leading Total Shareholder Return, 2013–2016 YTD<sup>1</sup>

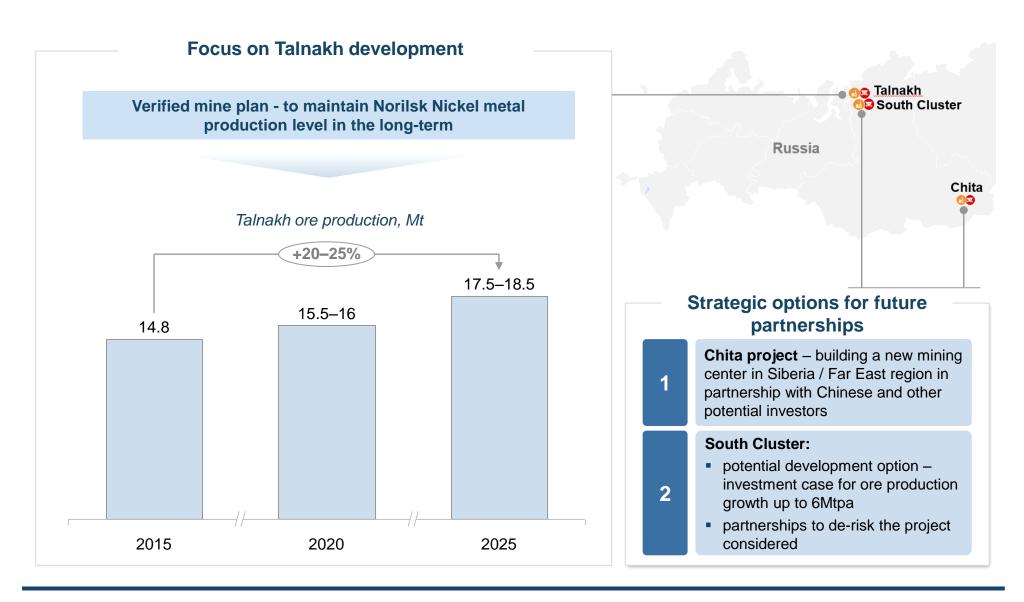


## Strategic Focus for 2016–2018 – "Round 2" Balanced, Modern and Environmentally Friendly Assets





## Strategic Focus for 2016–2018: Verification of Upstream Business Case and Strategic Options





## Responsible Corporate Citizen in Dialogue with Stakeholders and Partnership with Government

#### Support of major nation-wide sports and cultural projects\*









**Art Festival** 







## Sustainable development of territories

- Norilsk Airport (Alykel) reconstruction
- Norilsk City infrastructure:
  - Kindergartens
  - Hospitals
  - Water park
  - Shopping mall
  - Churches
- Fiber-optic highspeed internet to Norilsk
- Pasvik Natural Reserve

## Employees partnership and motivation

- Renewed 3-year collective bargaining agreement
- 'Our home' and 'My home' housing programs
- 'Cumulative equity pension' program
- Relocation program for Norilsk citizens
- Subsidies on the basic food basket in Norilsk

## Partnership with the Government

- Stable fiscal environment
- Early cancellation of export duties on nickel and copper



- Railroad to Bystrinsky project
- Co-financing of Norilsk Airport reconstruction
- Dialogue on support for environmental program
- Strategic partnerships with state-owned banks



### **Promotions in the Top Management Team**

Sergey Dubovitskiy Vice President Head of Strategy



- Joined Norilsk Nickel in 2013 as Head of Strategic Planning Department
- Spearheaded the development and updates of the corporate strategy, supervised capital investment policy
- Prior experience: 6 years in strategy function in the oil & gas industry and McKinsey&Co
- Holds MBA from INSEAD Business School

Vladimir Zhukov Vice President Head of Investor Relations



- Joined Norilsk Nickel as IR Director in 2013
- 15 years of experience in the metals and mining industry
- Prior experience: Metals and mining equity research analyst at HSBC, Lehman Brothers/Nomura, Alfa Bank
- Holds PhD from the University of Nottingham Business School



### **Operational Priorities**

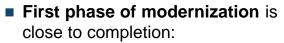
Uncompromised Focus on Health, Safety and Environment



"On Time/On Budget" Project Delivery



- Health & Safety culture change
- Strategic aspiration for "Clean Norilsk" – with material progress achieved at both NN sites in 2016



- Talnakh concentrator upgraded
- Nadezhda smelter upgraded
- Norilsk nickel smelter shutdown –
   75% complete
- 15 mining (brownfield extensions) projects commissioned
- Bystrinskiy project on track

## Next Round of Modernization & Strategic Optionality



- Second phase of modernization: comprehensive solutions for environmental issues:
  - cost-effective
  - based on new technologies/"no dogma" approach to solution space definition
- Optionality for strategic partnerships – priority for scalable options with low risk and relatively short lead time (South Cluster)







## **Operations Update**

Sergey DYACHENKO
First Vice-President
Chief Operating Officer

### **Operations Update**



Focus on health, safety and environment – world-class standards





Downstream reconfiguration is on track – over 50% of projects commissioned



■ Major Upstream projects are on track



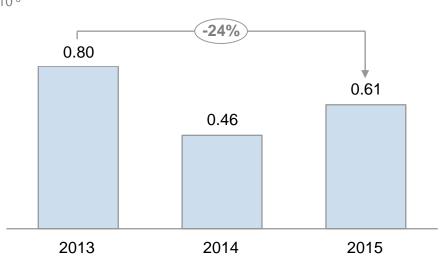
■ Potential development projects – value creation options in case of market recovery



## Adherence to High Health & Safety Standards – Progress Update

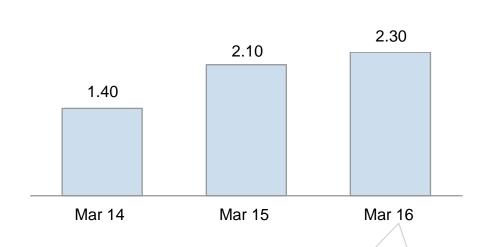
#### **LTIFR Dynamics**

#### 1\*10-6



#### **Health and Safety Culture Change**

DuPont production safety culture index



- Ongoing implementation of Group safety standards in key areas
- Production safety training and assessment program under way

#### **Strategic Objectives:**

1

Zero-fatality on production sites

2

Sustainable LTIFR improvement – two-year average went down by more than 20 %



## **Progress in Implementation of** "Environmental Roadmap for New Norilsk"

#### **Project**

#### **Impact**

#### Polar Division SO<sub>2</sub> **Emissions Impact**

(mtpa)

#### "Environmental roadmap"

(completed and close to completion projects)



Talnakh concentrator upgrade & expansion

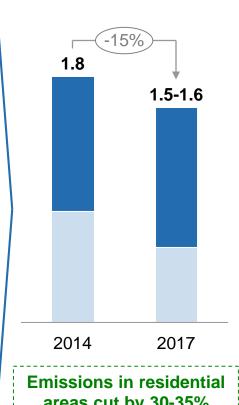
- Increased Sulphur content in tailings
- Enables moving smelting operations from Nickel to Nadezhda plant
- Nickel plant agglomeration facility shutdown
- SO₂ emissions in residential areas to decrease by 170-190 ktpa





Nickel plant electric furnaces and anode smelters shutdown

■ SO₂ emissions in residential areas to decrease by 160-180 ktpa



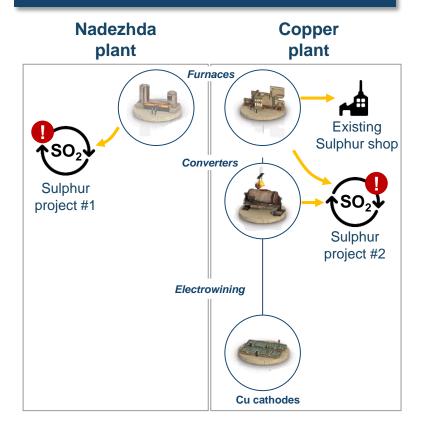
areas cut by 30-35%

- Emissions from facilities located outside of residential areas
- Emissions from facilities located within the city of Norilsk area

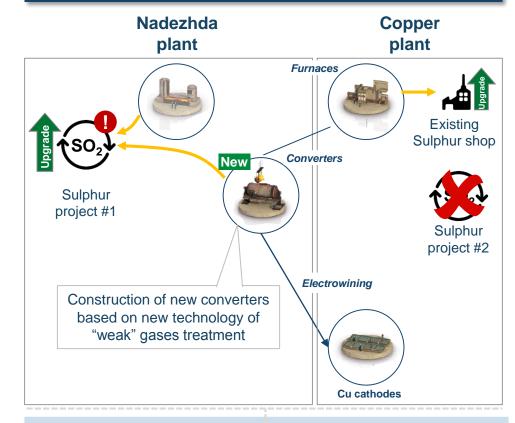


### "One Site" Solution

## Previous solution: "Two sites – two independent projects"



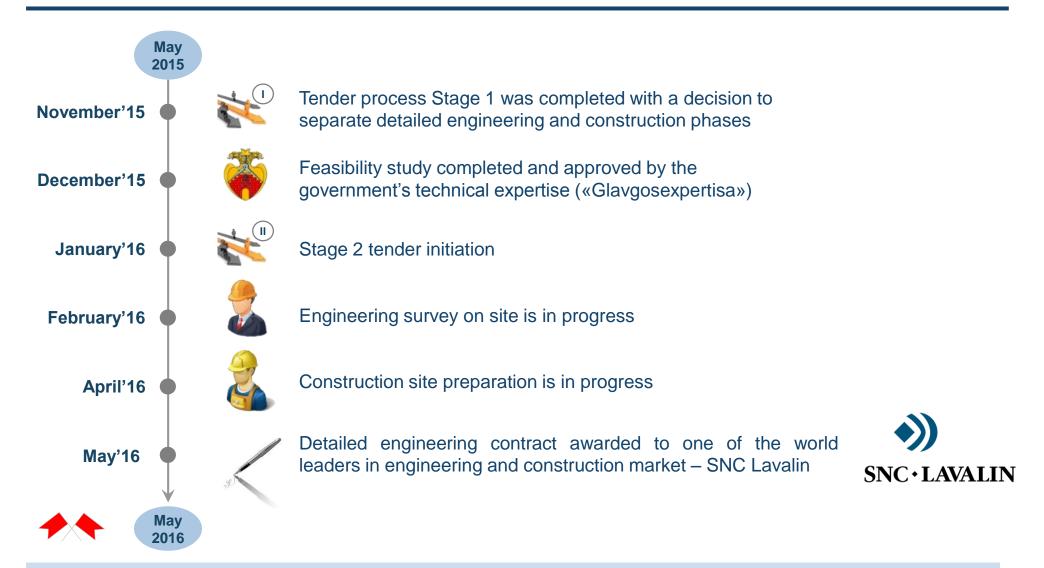
## New solution: Single project with a number of modernization initiatives



- Achievement of regulatory targets for emissions reduction
- Maintenance of copper production capacity
- Projected CAPEX saving (to be specified based on detailed engineering)



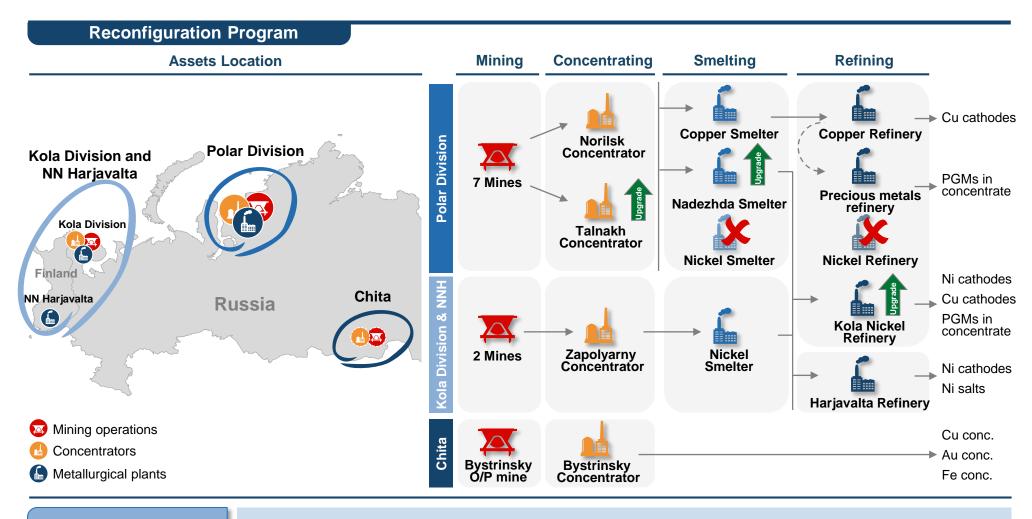
## Nadezhda Sulphur Dioxide Capturing Project – Progress to Date



Dialogue with Russian Government on support measures for the Company's environmental program launched



## **Production Reconfiguration Program – Overview**

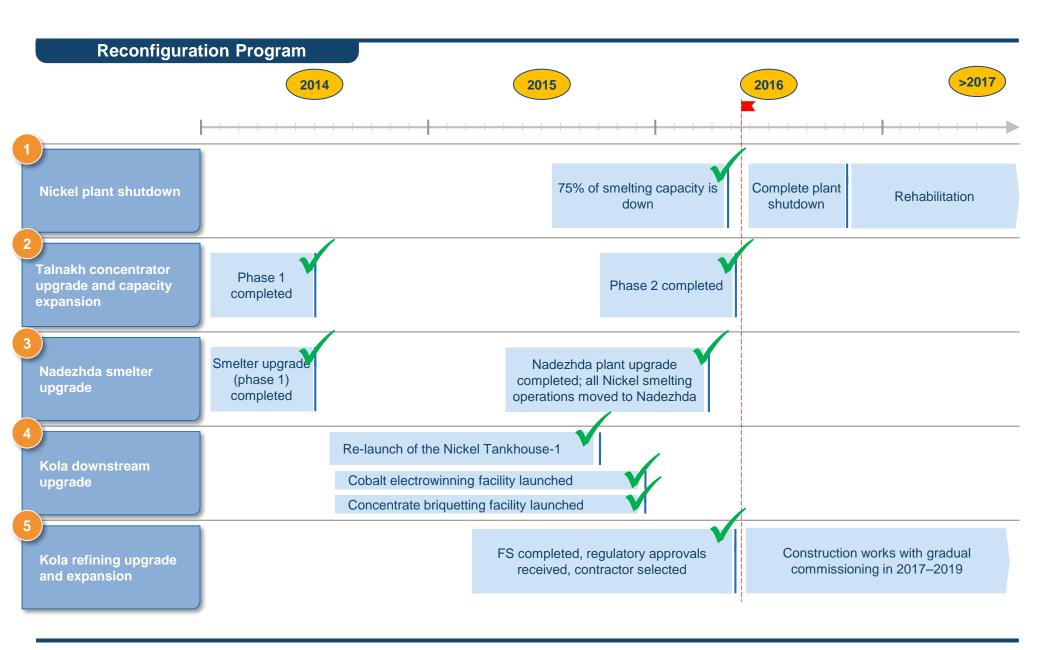


Reconfiguration impact

- Overall cost saving and improved recovery
- SO<sub>2</sub> emissions reduction by 15% resulting from concentrator upgrade and Nickel plant shutdown; significant decrease of emissions in residential areas
- Energy consumption reduction by Polar Division



### **Reconfiguration Program – On-time Delivery in Progress**



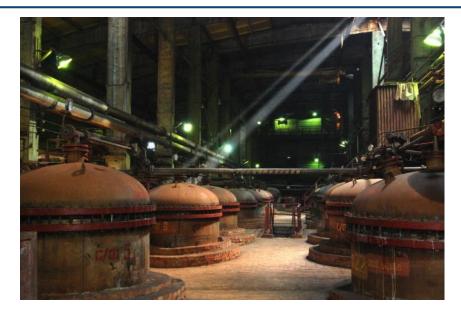




## Nickel Plant Decommissioning – Two Main Facilities Shut Down in April

#### **Reconfiguration Program**

#### **Current state**



**Next steps** 



■ To date – **75**% of smelting capacity is down





- All facilities to be shut down by October 2016
- 2016+ closure and site rehabilitation



## Talnakh Concentrator Upgrade (Phase 2) – Successfully Completed

#### **Reconfiguration Program**

#### Phase 1



- Optimized utilization
- Increased of nickel recovery rate by 1 p.p.

#### Completed in 2014

## Phase 2 – upgrade & capacity expansion to 10.2 mtpa



- Capacity increase up to 10.2 mtpa
- Concentrate volume decrease enables Nickel plant shutdown
- Recovery improvement:
- -Impact of new technology (7.7 mtpa): Ni up to 1%
- Impact of re-directing volumes from Norilsk concentrator to Talnakh (2.5 mtpa): Ni 2 %, Cu 2 %, PGM up to 4 %

#### **Commissioned in May, 2016**

## Phase 3 (potential) – capacity expansion to 16.0 mtpa



#### **Next steps:**

- Update of project design as well as budget & schedule
- Confirmation of economic impact





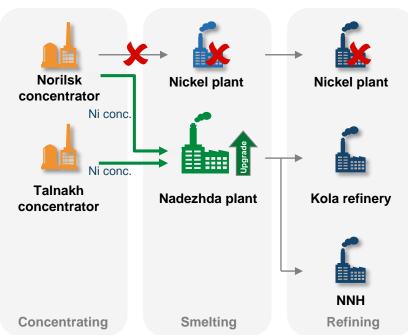


## "Single Stream" Smelting at Nadezhda Plant – "On Track" Commissioning in March 2016

#### **Reconfiguration Program**



#### Moving of all Ni smelting operations to Nadezhda plant



Upgrade of smelting, concentrate drying and filtering facilities





# **Kola Downstream Modernisation: Launch of New Facilities and Added Synergy with Polar**

#### **Reconfiguration Program**

1

Concentrate briquetting facility commissioned



>30 ktpa reduction of SO<sub>2</sub> emissions

Reduction of emissions in the concentrate preparation stage (Zapolyarny production site)

2

Launch of cobalt cathodes production



+US\$25m

Additional profitability compared to selling Co concentrate

3

Re-launch of Ni Tankhouse-1



+45 ktpa
of nickel production
capacity

Additional capacity to balance production during reconfiguration program





## Chlorine Leaching Technology in Kola Downstream – Targeting Further Efficiency Gains in 2018–2019

#### **Reconfiguration Program**

#### What has been done?



- Project design completed
- Regulatory approvals received
- EPC-contractor selected, construction contract signed
- Zinc-recovery circuit is under construction

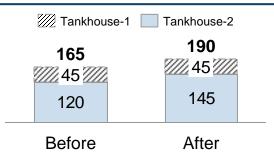
#### **Next steps**



- Equipment delivery
- Construction works with staged commissioning of new chlorine leaching technology
- Full capacity from 2019

#### **Expected impact**

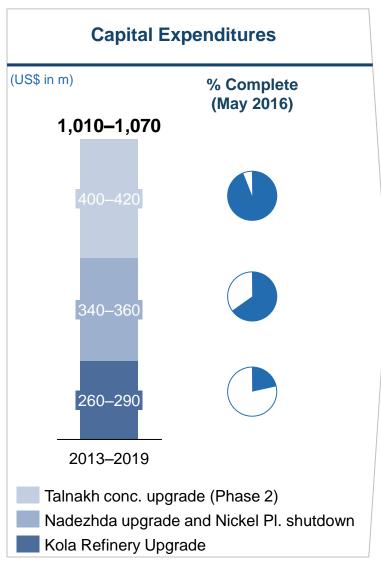
#### Kola Ni refining capacity, ktpa

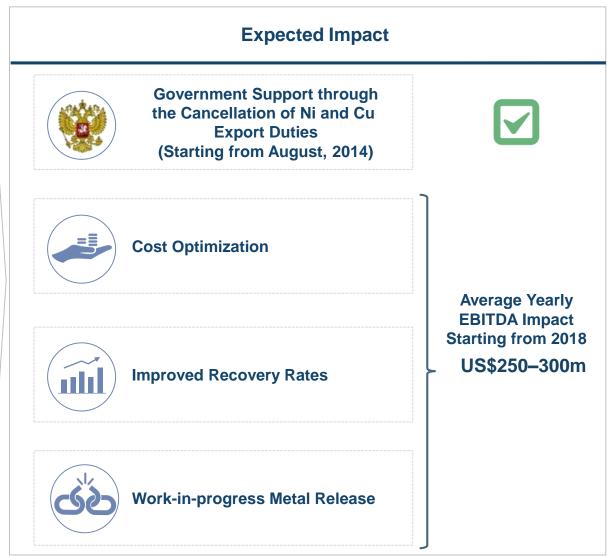


- Increase of extraction rate by >1.0 p.p.
- Decrease in unit cost at refining stage by ~10%
- Improvement of work-inprogress turnover



### **Reconfiguration Program Impact**

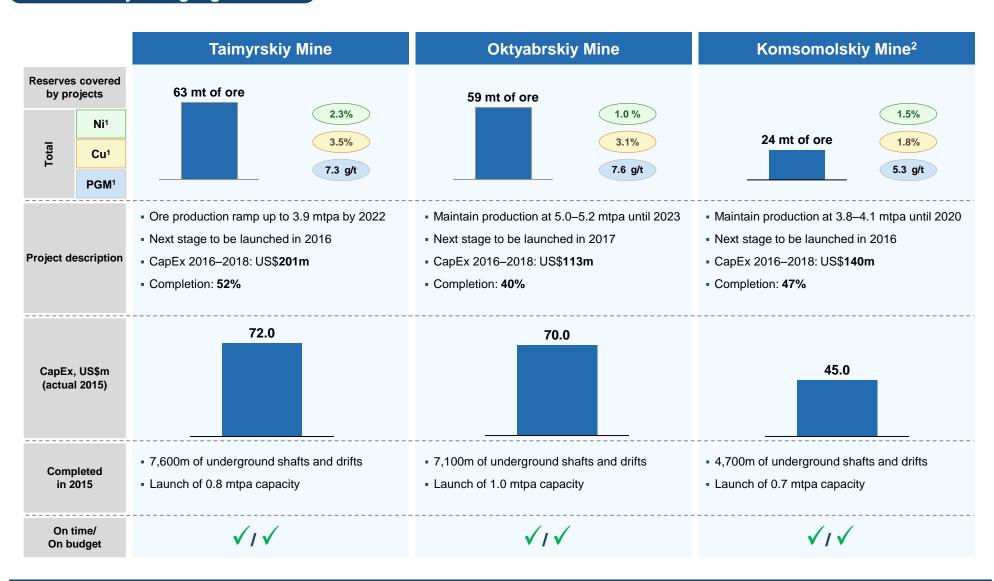






### **Priority Upstream Brownfield Projects**

#### **Project Highlight**



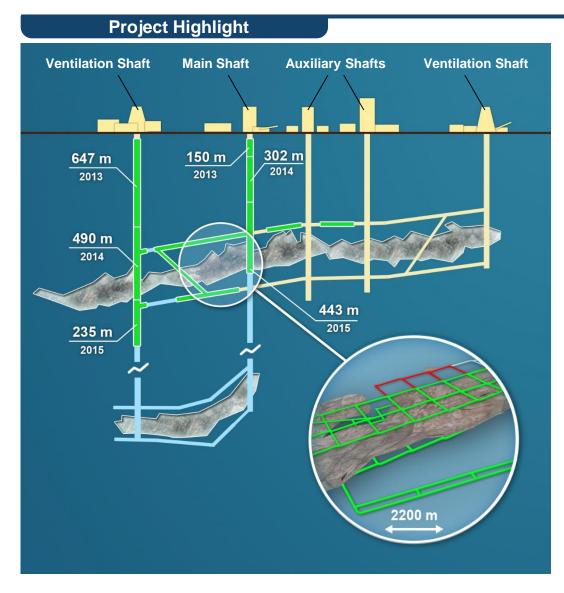


**NORILSK NICKEL** 

Note: 1. Ore grade.

<sup>2.</sup> Komsomolskiy mine data doesn't include Skalistiy mine (Skalistiy mine is illustrated on a separate slide).

### **Skalisty Mine: Project Development on Track**



#### **Project overview**

- Production capacity 2.4 mtpa
- Ore reserves 58 mt
- Estimated Project IRR > 30%
- CapEx 2016–2018: ~ US\$650m,2015 CapEx ~ US\$256m

#### **Project timeline**

- Commissioned mining capacity 500 ktpa in 2015
- Next launch 150 ktpa in 2016
- Completion of ventilation shaft #10 in 2018
- Completion of main shaft by 2019

#### **Project update**

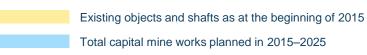
Progress in 2015:





Development





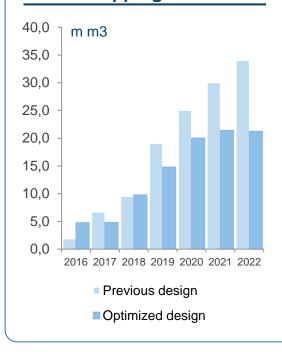


### **Bystrinsky Project – Pit Design Optimization Results**

#### **Operational profile**

- Pit optimization resulted in significant reduction in waste stripping
- This in turn allowed to convert additional 40mt of ore resources into mineable reserves

#### **Waste stripping**



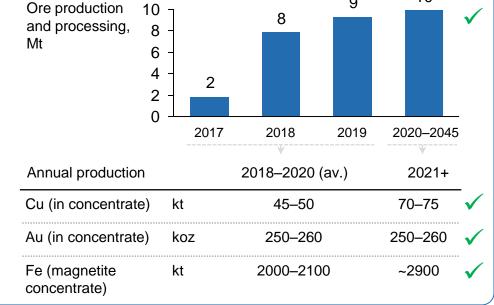
#### **Upstream**

Reserves & Resources: 336 Mt

Cu - 0.64%Fe - 20%Au - 0.8 g/t

Capacity: 10 Mtpa ✓

#### **Production profile**



#### Indicators at 1Q16 macro conditions

(US\$ in bn)

10

9

CapEx'16-18

0.9

EBITDA'20+

0.4 - 0.5

**IRR** 

>30%



### **Bystrinsky Project: 45% Complete**

#### **Project Highlight**



Railway link to the project site is near completion (227 km, 3.7 mtpa capacity). Project financed in partnership with the Russian Government:

Trial operation launched in December 2015, full commissioning in 2016



#### An agreement reached with «FGC UES» regarding power line construction and operation:

220kv power line construction is in progress. Commissioning is scheduled for 2Q17



#### Waste stripping at the open pits Ildikanskyi and Bystrinsky-2 is on schedule:

3m m<sup>3</sup> of waste rock moved in 2015



#### Construction of main facilities/ordering of equipment on track:



- Ongoing construction of more than 20 facilities (ore supply, warehouses, etc.);
- All concentrator equipment has been ordered (Outotec, FL Smidth)





## **Bystrinsky Project: 45% Complete**

#### Project Highlight

#### **Primary Crusher Construction**



**Administration Building** 



**Crushed Ore Stockpile** 



**Mechanical Workshops** 

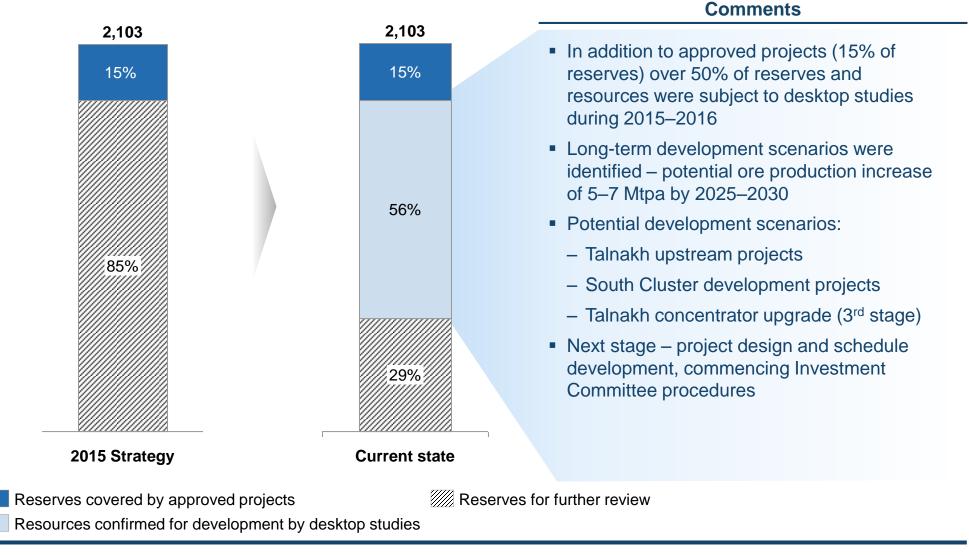




Source: Company data.

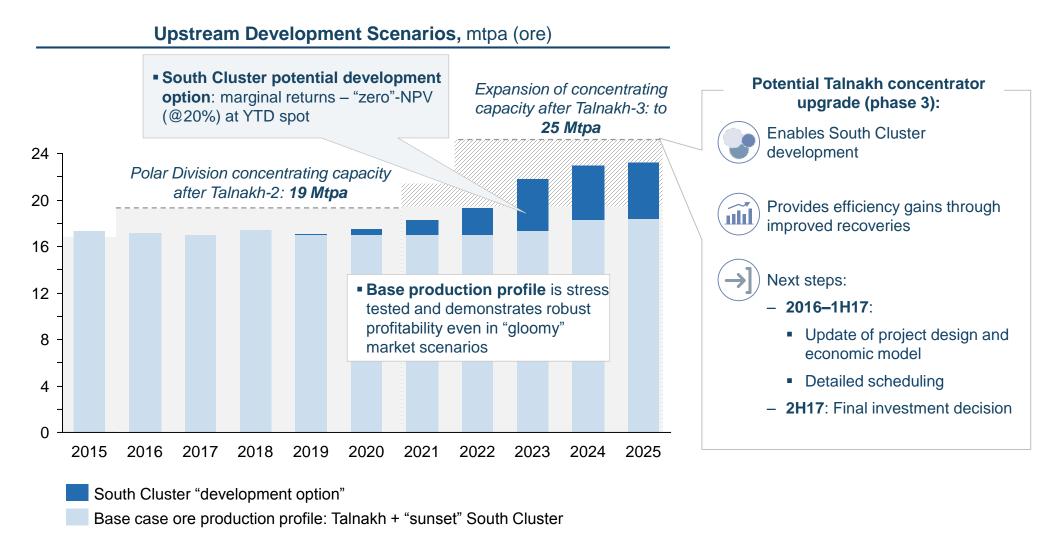
## Further Conversion of Norilsk Unique Resource Base into Development Opportunities

#### Reserves and Resources - Polar Division (at 01/01/2016), mt





### **Long-term Mining Outlook for Polar Division**



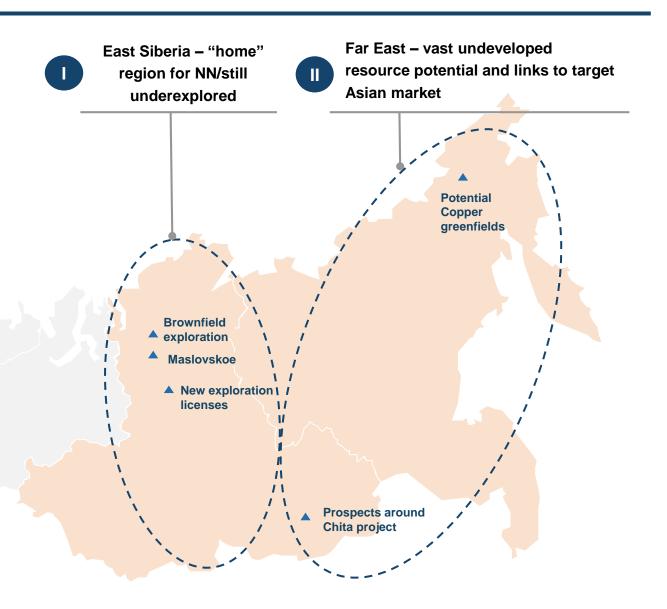


### **Screening for Potential Long-term Opportunities**

#### Screening approach

#### Strategic criteria:

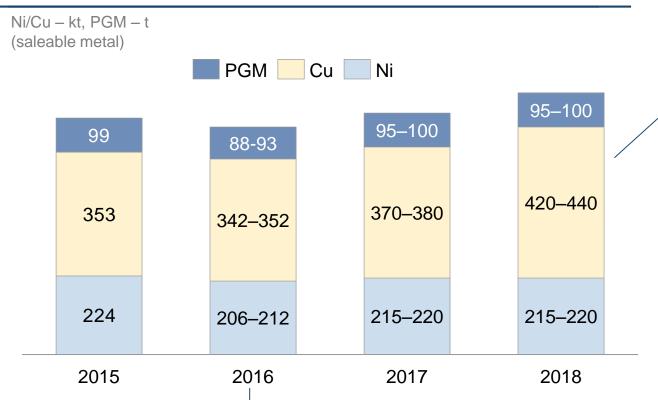
- Regions where NN can build on it competitive edge –
   Russian Federation
- Preferred products (metals) basket
- Potential to become Tier I asset
- Risk mitigation options (project financing, partnerships, etc.)





#### **Production Guidance**

#### **Production Guidance from Russian Feedstock**



- The Company will maintain stable production levels after 2016
- Copper volumes growth due to grade increase (and from 2018 – due to launch of Bystrinskiy project)

 One-off increase of work-in-progress due to Nickel plant shutdown and moving refining operations to Kola division





# **Investment Governance and Portfolio Update**

Sergey DUBOVITSKIY
Vice-President
Head of Strategy

### Norilsk's Strategic Principles – Set Out in 2013

#### **Progress**

**Focus on Tier I Assets** 

 Most non-Tier 1 assets successfully exited, Stage II Strategic review underway





Optimal Value Chain Footprint

 Unprecedented production reconfiguration program on track





Capital and Investment Discipline

- Quality of investment governance enhanced
- Stay-in-business CapEx and working capital optimized down to industry averages





**Social Responsibility** 

- Enhanced focus on Health & Safety
- Norilsk's city area emissions cut by 30–35%

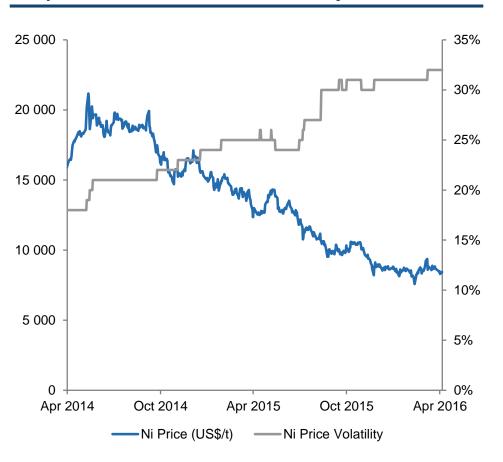




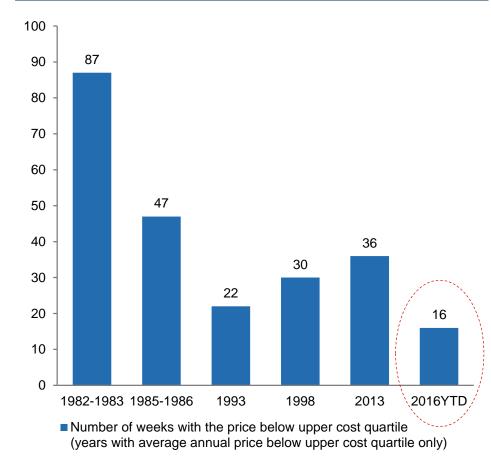


## Strategic Context – Rise in Volatility Combined with Weak Prices...

#### Ni Spot Prices -60%, Ni Price Volatility +80%

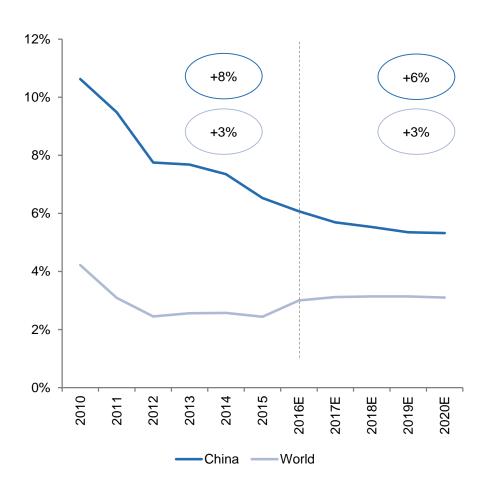


#### Lessons Learnt from Previous Downturns: Number of Weeks When Ni Price Was Below Top Quartile of Cost Curve

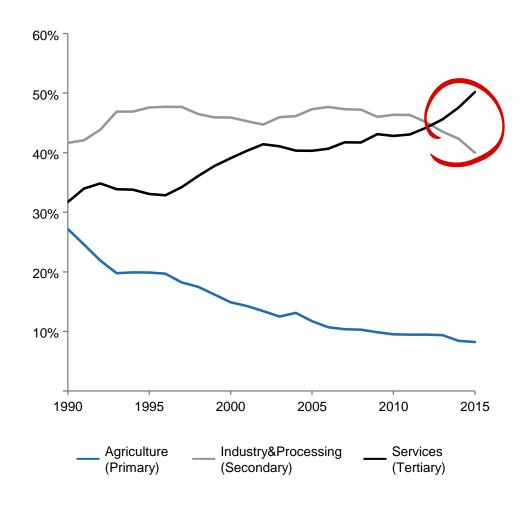


#### ... Driven by Tectonic Shift in Chinese Economic Model

## **GDP and Investments Growth Rate in China is Slowing Down**



#### Structural Shift in Chinese Economy: Growth in Services, Reduction in Industry

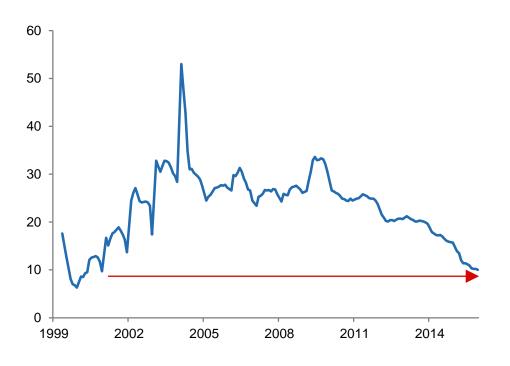




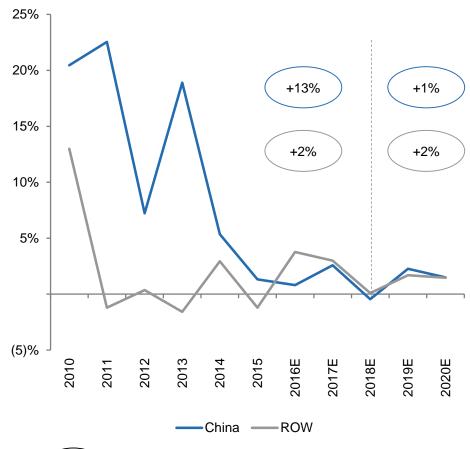
## ... Impacting Negatively Metal Intensity of the Chinese Growth

## Fixed-Asset Investments Growth The Lowest Level Since 2000

China Fixed Assets Investments (Exc. Rural Households) Cumulative YoY growth



#### Ni Demand Growth Rate in China to Normalize





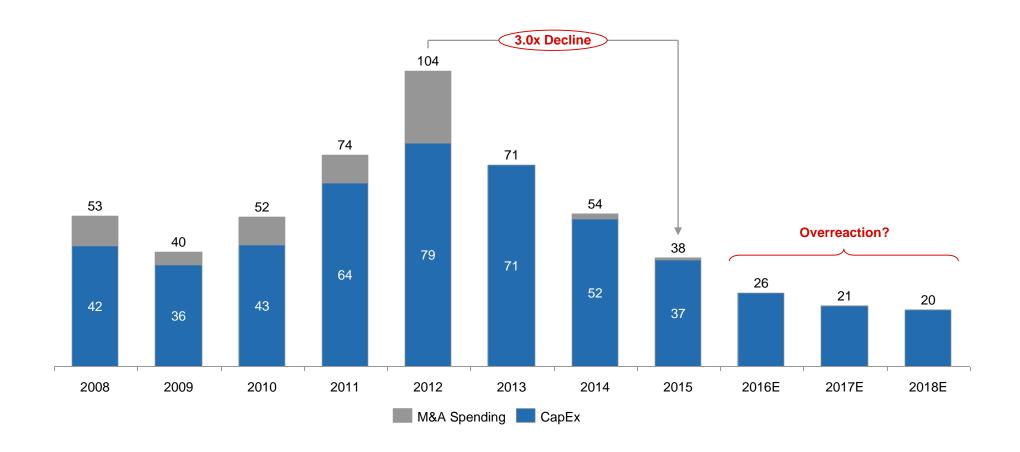
Average growth rate in 2000-2015, 2016-2020E



## .... Challenge the Validity of Many Investment Decisions in the Industry

#### Global Miners' CapEx + M&A: Volatile Capital Intensity Tends to Overact in Up and Down Turns

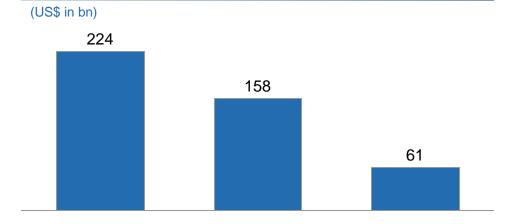
(US\$ in bn)



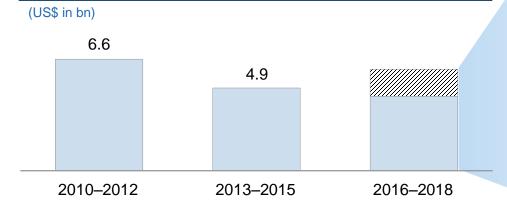


### **Norilsk Investment Strategy in the Industry Context**

#### **Global Miners Investments**



#### **Norilsk Nickel CapEx**



Environmental program (1st Phase) & Chita

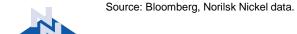
 Robust (low-risk/high profitability) projects portfolio



 Enhanced focus on investment discipline (improved investment governance system implemented in 2013–2015)



Consistent/solid investment program through the cycle

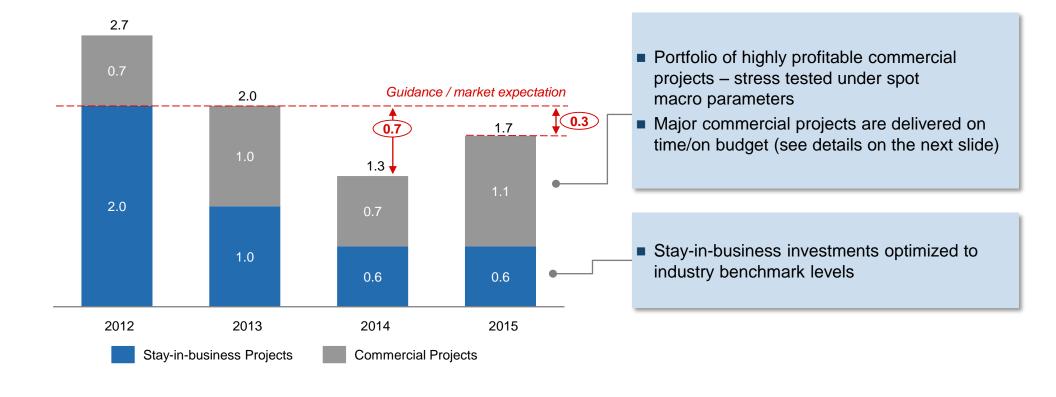


**NORILSK NICKEL** 

## Strategic Priorities – Focus on Investment Discipline US\$1.0bn of Capital Investment Savings in 2014–2015

#### **Annual CapEx (Norilsk Nickel)**

(US\$ in bn)

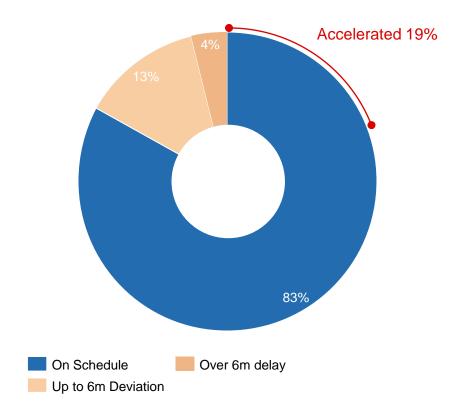




## Strategic Priorities – Focus on Investment Discipline Delivery On Key Investment Projects

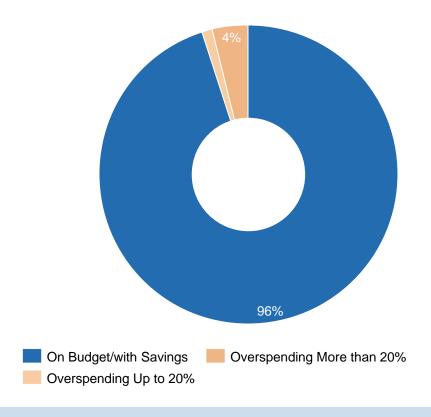
Schedule Deviation, % of Investments

83% of Investments - On Schedule since 2013



**Budget Deviation**, % of Investments

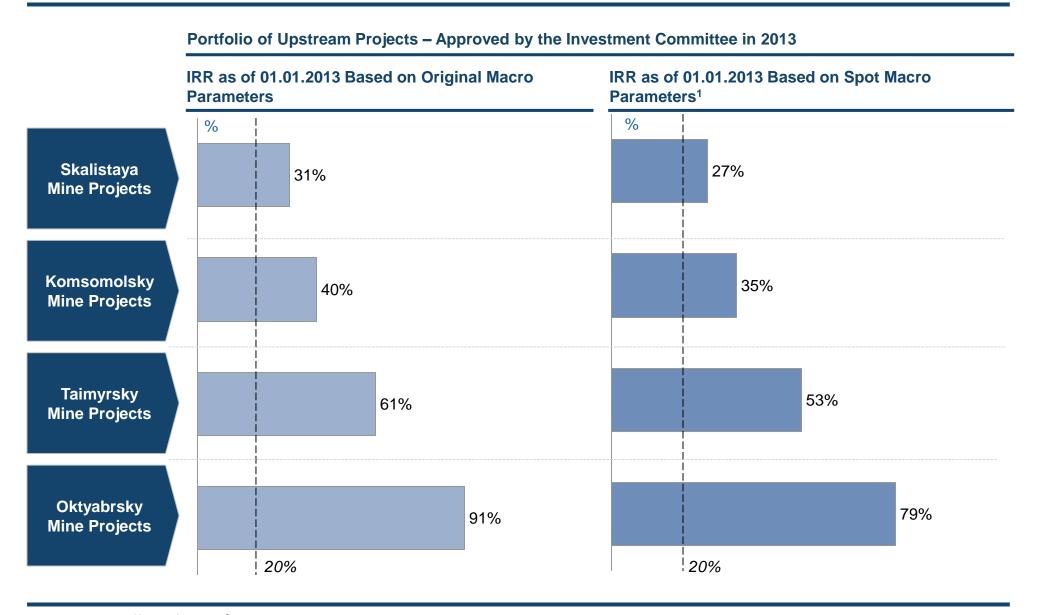
>95% of investments – On Budget/with Savings



- Rigorous investment governance procedures in action
- Low-risk projects portfolio
- FX impact tailwind



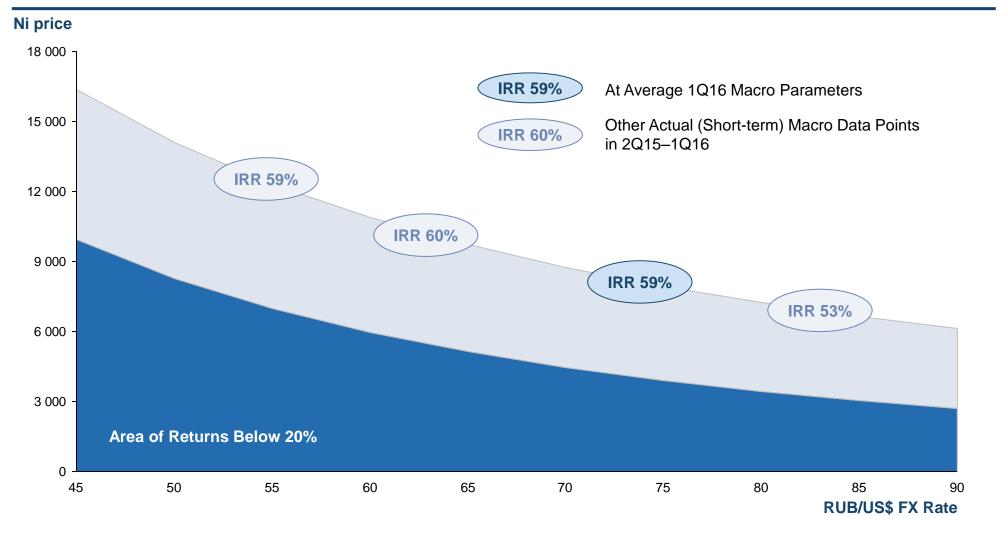
## Strategic Priorities – Focus on Investment Discipline Stress-tested Profitability of 2013 Upstream Projects Portfolio





## Strategic Priorities – Focus on Investment Discipline Robust Returns of Current Upstream Projects Portfolio

Returns (Point-forward) Sensitivity of Approved Upstream Projects Portfolio<sup>1</sup> to Macro Scenarios As of 01.01.2016





## Strategic Priorities – Focus on Investment Discipline Stay-in-business CAPEX Optimisation

#### **Production Assets Maintenance**



 Implementation of risk assessment tools and long-term equipment replacement programs

#### **Energy Assets Maintenance**

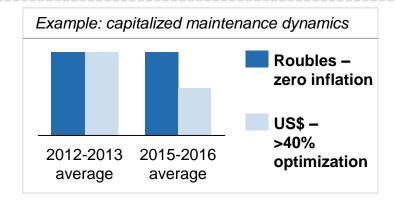


 Strategy review for Energy business – revised technological solutions

**Approach** 

- Implementation of Total Cost of Ownership approach
- Enhanced tendering procedures/Review of payment terms

Examples



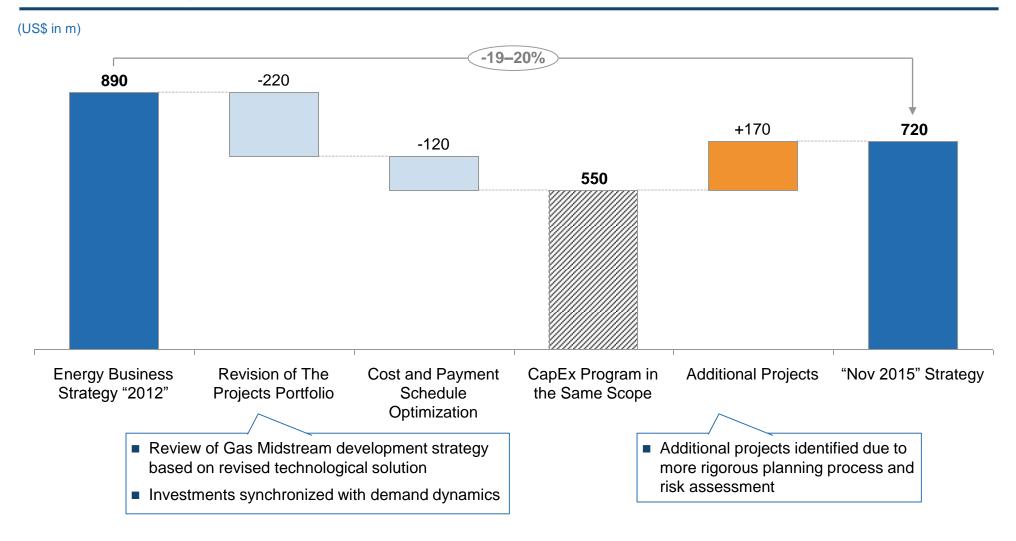
Example: Energy business strategy review

 Up to 20% of CapEx savings (excl. FX impact) while maintaining the same level of energy supply security (see next slide for more details)



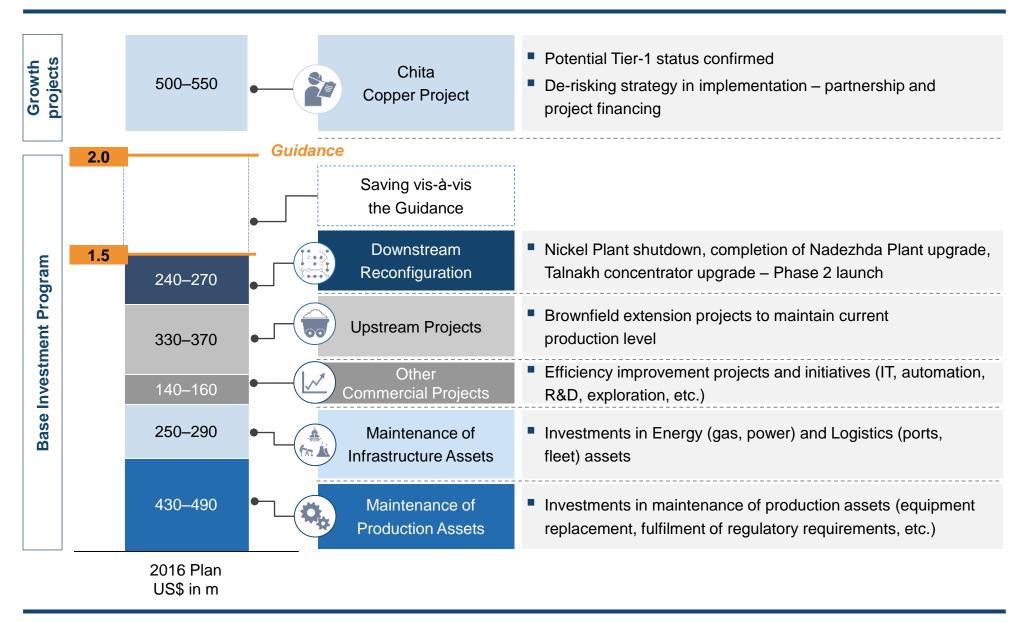
## Energy Business Strategy Review – Optimization of CAPEX Program for 2016–2018 by 20 %

#### **PV CAPEX in Energy Assets in 2016–2018**





## 2016 Investment Plan US\$0.5bn Optimization Vis-à-Vis the Guidance





### 2016–2018 CAPEX Target – US\$2bn p.a.

#### **Cumulative CAPEX 2016–2018**

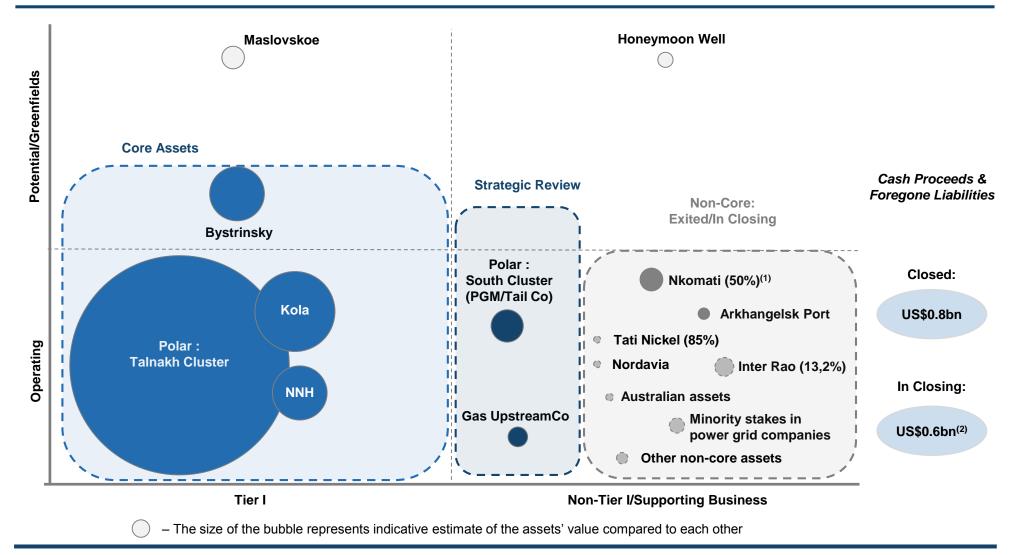




#### Norilsk Asset Portfolio – Status Update

#### **Norilsk Asset Portfolio**

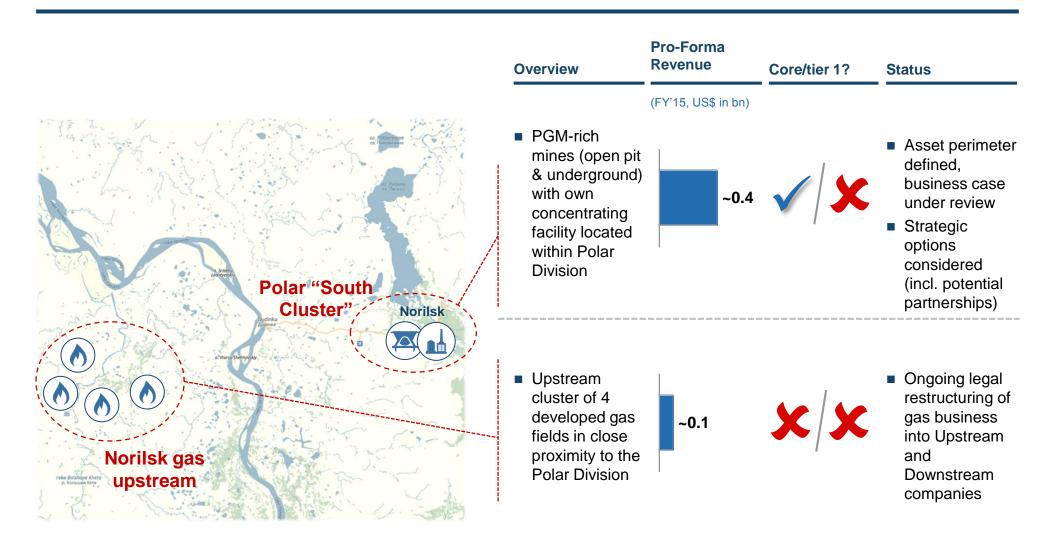
**NORILSK NICKEL** 



Note: 1. Closure pending due to regulatory approvals

<sup>2.</sup> Including proceeds from the sale of 0.79% treasury shares (US\$158m).

### Norilsk's Legacy Assets – Status Update





## **Bystrinsky Project De-Risking Plan – Implemented**

#### **Realized De-Risking Initiatives:**

#### **Project Status**

- Project Launch:On track, planned for 4Q17
- Residual CAPEX:~US\$0.9bn

#### **Leveraging Public-Private Partnerships:**

- Railway link construction on track; to be completed by the end of the year
- Agreement with Federal Grid and VTB bank on construction and financing of grid infrastructure

#### **Bringing high-quality strategic partners:**

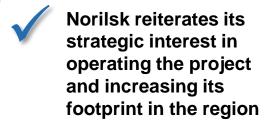
 Sale of a minority stake (13.33 %) to a consortium of Chinese investors. Binding agreement signed in 2015

#### Securing project financing:

 US\$800m facility from Sberbank for 8 years approved; first installment received in May 2016



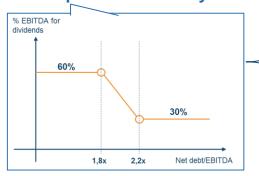






## Adaptive Dividend Targets Providing Superior Shareholder Returns and Balanced Financial Model

# New Dividend Targets with Improved Flexibility Dependent on Net debt/EBITDA



Dividend Floor 3.65

Environmental Projects & Chita

Highly Profitable, Disciplined CapEx Programme

Base CapEx 4.4

2016-2018

#### Sources

Highest quality Tier I mining assets – strong margins and cash generation even at cycle lows

Ample liquidity – US\$6bn in cash and committed credit lines as of 1Q16

Project financing for Bystrinskiy Project (up to US\$0.8bn)

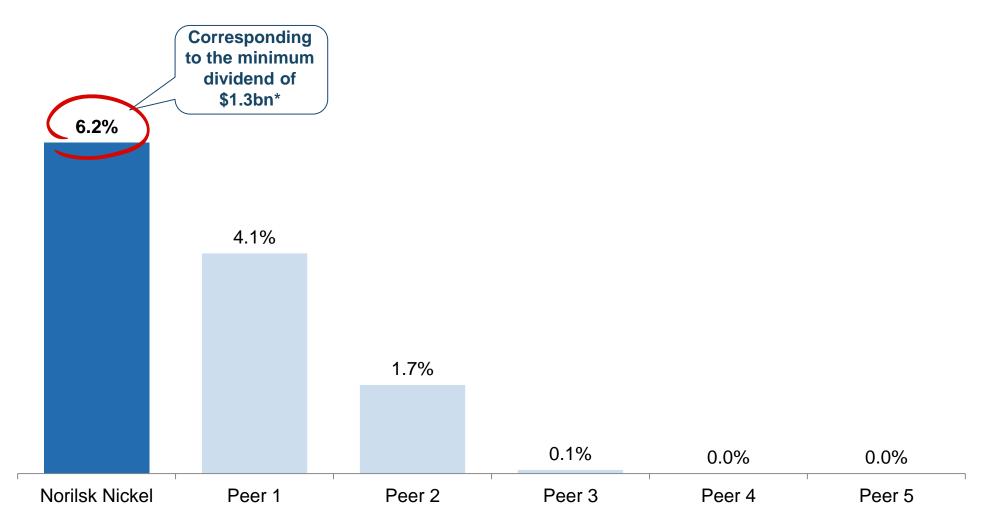
Proceeds from the sale of non-core assets (executed/signed transactions)

Further strategic optionality – ongoing strategic review and non-core asset disposal programs, potential pre-payment/streaming options



### **Superior Shareholder Returns**

#### **Leading Mining Companies - Projected Dividend Yield for 2016 FY**





#### **Key Takeaways**

1

Norilsk in the industry context – consistent and solid investment program through the cycle

2

"All-in" CAPEX Target for 2016-2018 - US\$ 2bn p.a.

(incl. "Base Investment Program", Chita, 1st Phase of Environmental Program and potential options)

3

#### "Base investment program":

- US\$ 4.4bn cumulatively for 2016-2018
- Portfolio of verified investments: optimized stay-in-business CAPEX levels and stress-tested commercial projects

4

**Portfolio Review**: non-core assets disposal program well advanced; ongoing strategic review of the "legacy" assets; de-risking plan for Bystrinskiy project implemented

5

**Strategic financial model enhanced through adaptive dividend targets** – balanced and providing superior shareholder returns







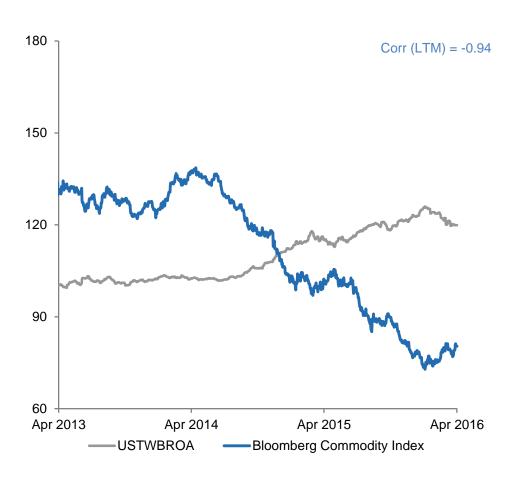
### **Markets**

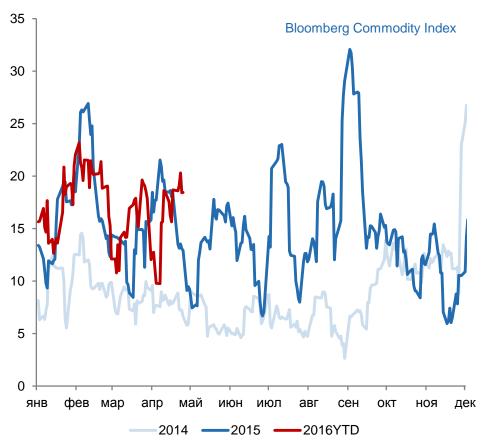
Anton BERLIN
Head of Strategic Marketing

### **Macro-Driven Commodity Prices, Increased Volatility**

## Commodity Prices are Inversely Correlated with Trade-Weighted US Dollar

#### **Commodity Price Volatility Increased in 2015-2016**

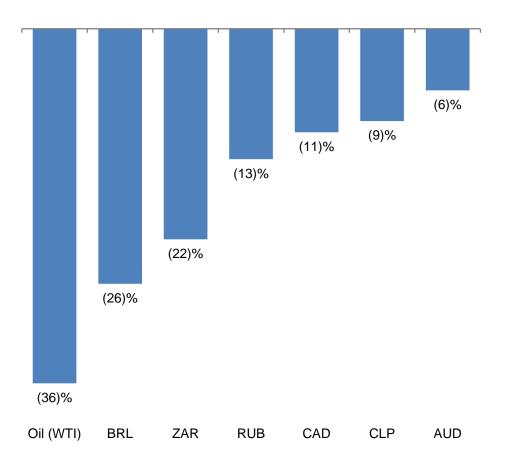




## Lowering of the Cost Curve Driven by Currencies and Oil Price Depreciation

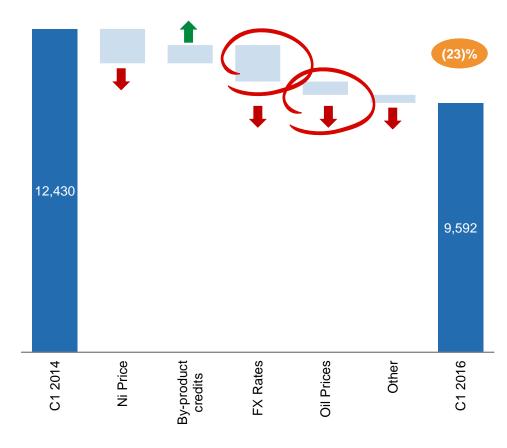
#### Mining Currencies and Oil Price Decline vs. USD

End of March 2016/ End of December 2014,



C1 Nickel Total Projects Cash Costs (ex. Norilsk)
Down 23% Driven Mainly by Currencies & Oil

US\$/t



**NORILSK NICKEL** 

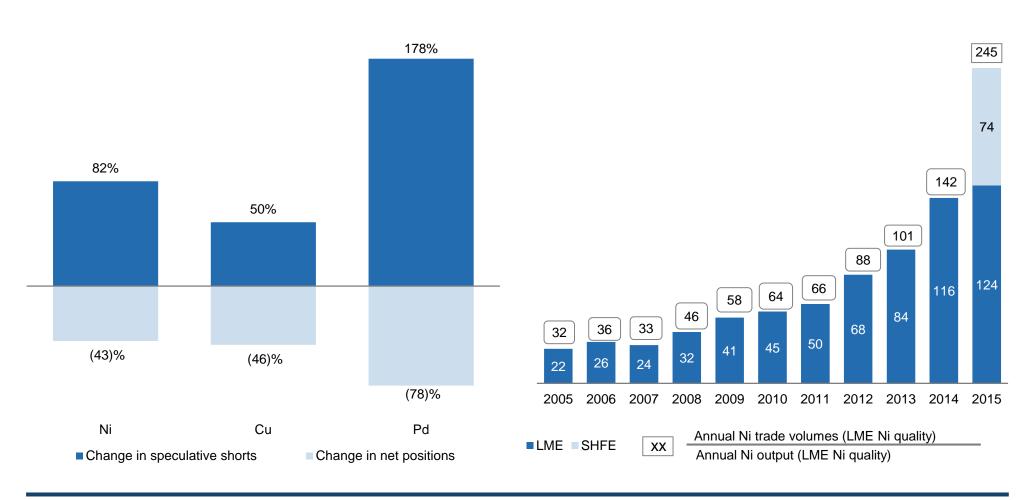
### **Speculative Pressure Running High on Demand Concerns**

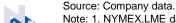
## **Speculative Pressure on Metals Running High: Change in Exchange Trading Positions**

1Q 2016/4Q 2014<sup>1</sup>

#### Ni Speculations at Record High Levels: LME Turnover Over 200x of Physical Market

Mt



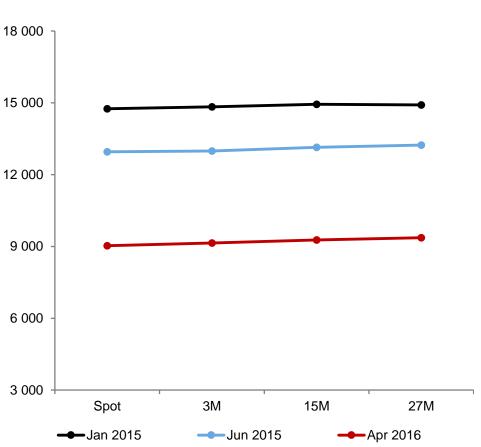


Note: 1. NYMEX,LME data used for metal trading positions.

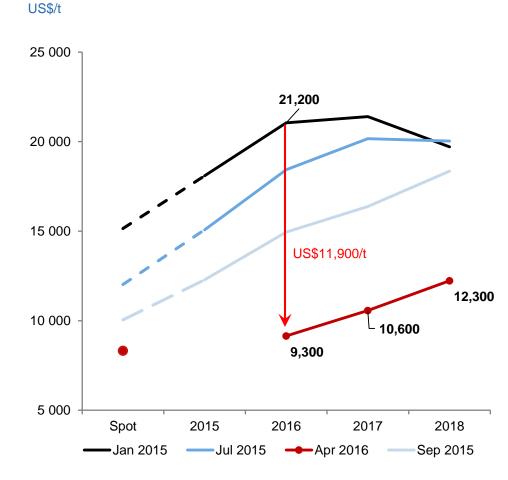
### **Sharp Downward Adjustment of Consensus Forecasts**

#### **Nickel LME Forward Curve: No Sense of Direction**

## US\$/t



## Analyst Consensus Ni Price Forecast: Sharp Downward Adjustment, Bullish Outlook Retained





### Nickel Market: Little Guidance from Inventory Movements

## Total Exchange Inventories Up 19% in 2015, Relocation from LME to SHFE



## LME Inventories: Relocation Between Asian Warehouses Since 2H 2015

Mt

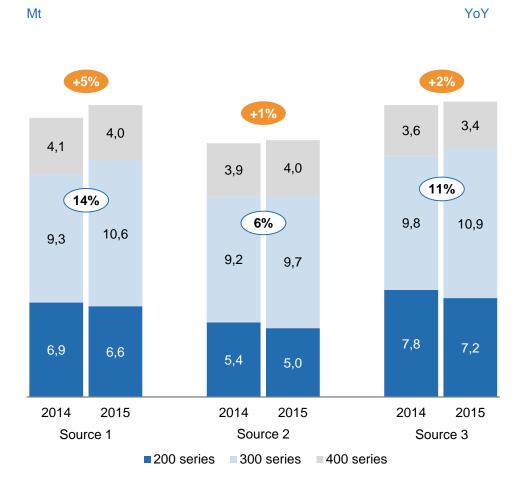


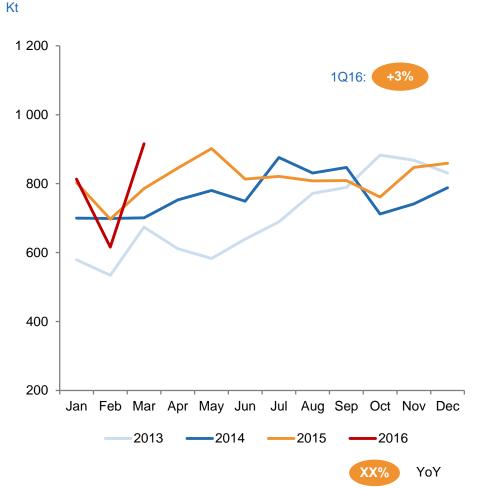


#### Ni-Intensive Stainless Steel in China – Healthy Demand

## Variety of Chinese Sources: Ni-intensive Stainless Steel Production Up 5–11% in 2015

## ... with Modest Growth Rates Continuing into 1Q 2016

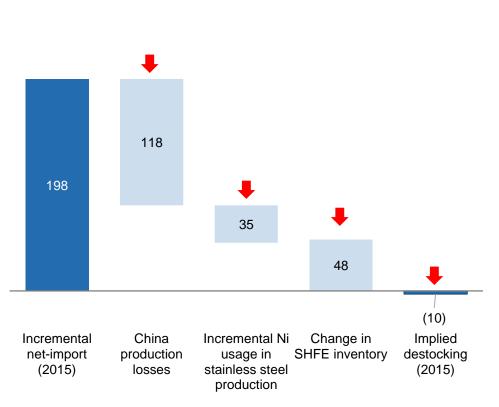




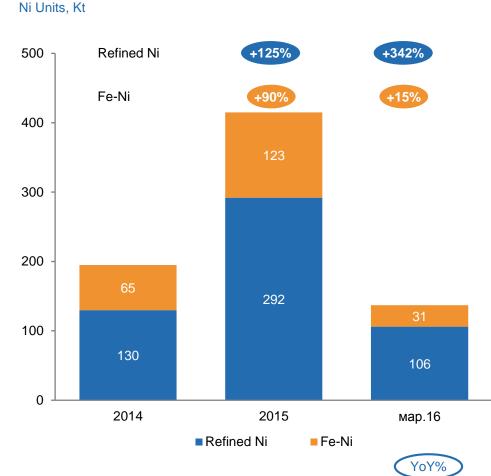
### China – Nickel Destocking in 2015 and Surge of Ni Imports

## Implied Ni Units Destocking in China Excluding Build Up of SHFE Inventory (48 kt) in 2015

Ni Units, Kt



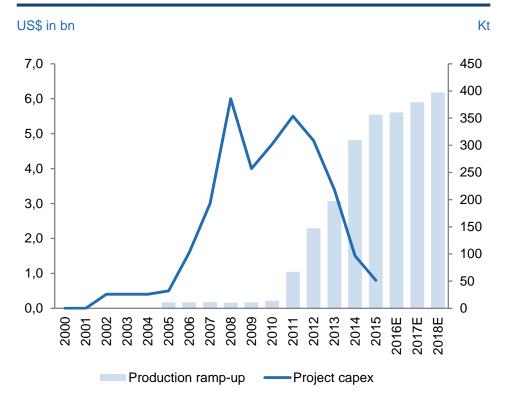
## Strong Increase of Fe-Ni and Refined Ni Imports to China in 2015 Extended into 1Q 2016





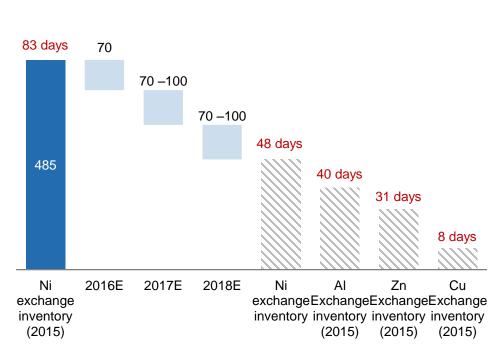
### **Supply Rigidity – Investment Cycle**

#### Major Ni Projects Ramp-up When Ni Market is Trending Downward



- Industry inertia (cycles)
- Barriers to exit/re-entry
- Political considerations

## High Reported Ni Stocks: After 3Y of Potential Drawdowns Inventory Would Still Run High



Constant inventory re-allocation

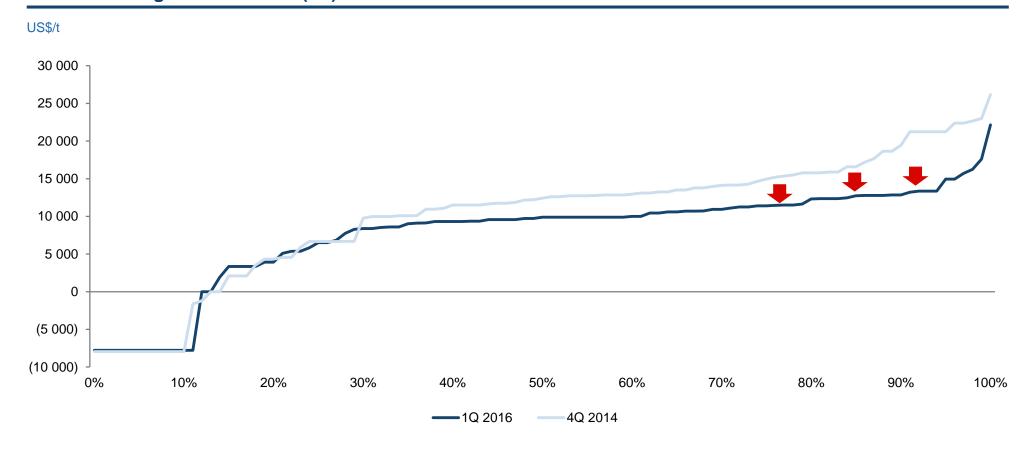
Kt

Unknown off-exchange stocks



## Slow Response From Supply Side Helped by Lowering Cost Curve

#### 1Q 2016 Average Ni Cash Cost (C1) Down 23% vs. 4Q 2014

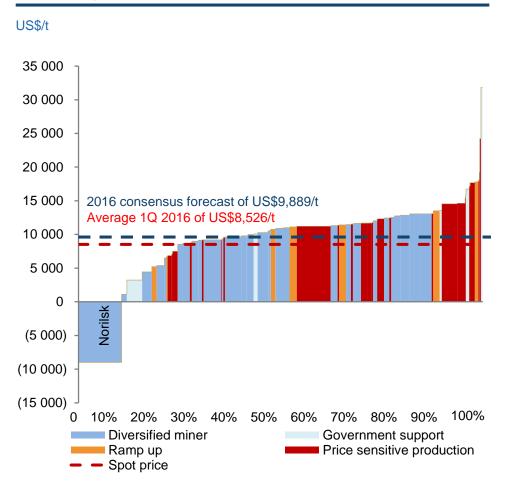


- Flattening of the Cost Curve
- Decreasing marginal cost reduced support for Ni price

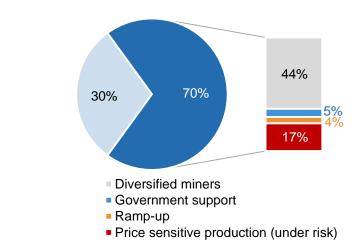


## Only a Quarter of Loss Making Capacity Runs a Shut-Down Risk

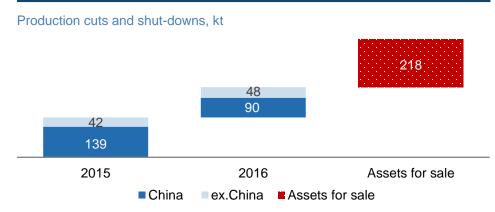
## At Spot Price, Over 70% of Global Nickel Production is Making a Cash Loss ...



#### ... but Only 17% Run a Shut-down Risk



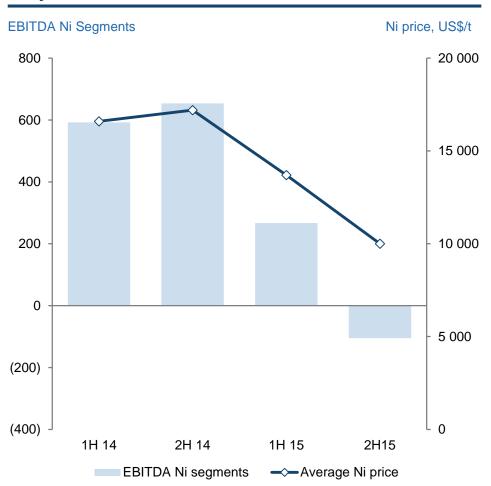
#### Ni Industry Has Entered a Major Restructuring Phase



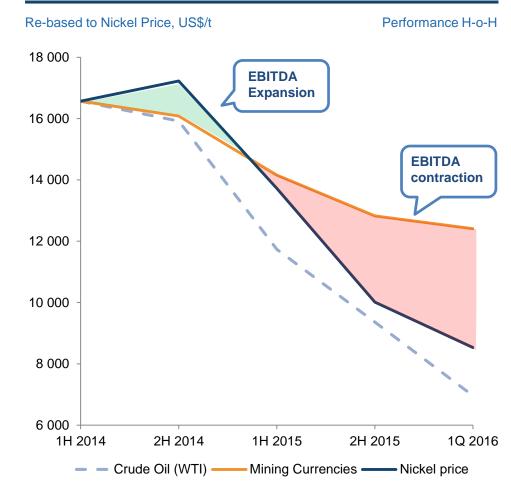


### Pressure on Loss Making Ni Producers Rising Rapidly

## Most of the Ni Industry Became EBITDA Negative Only in 2H 2015 ...

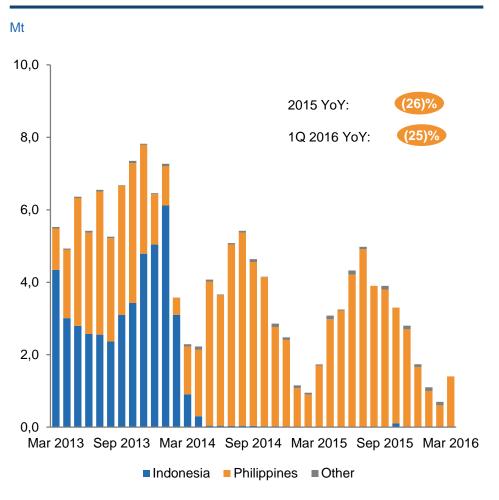


#### ... Pressure on CFs is Mounting in 1H 2016

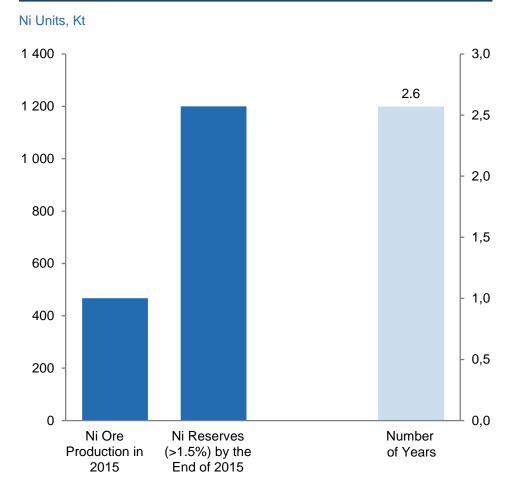


### **Nickel Feed for China: Philippines**

## Nickel Ore Imports from Philippines to China Were Down 26% in 2015 and Continue to Fall in 2016



## Mine Life of Nickel Ore Reserves with Ni Grade >1.5% in Philippines is Less than 3 Years



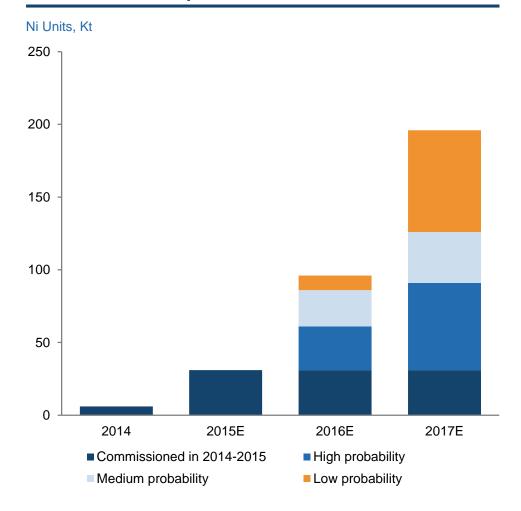


#### Nickel Feed for China: Indonesia

## Only 3 Projects in Indonesia Have High Probability of Completion

Project Name	Process	Status	Start Year	Capacity, Kt pa Ni
Indoferro	BF	Started	2013	18
PT Cahaya Modern Metal Industry	BF	Started	2014	4
Tsingshan	RKEF	Started	2015	30
Tsingshan 2–3 stages	RKEF	High	2015	60-120
9 projects	RKEF, BF	Medium	2016-2018	70
8 projects	RKEF, BF, Leach	Low	2016-2017	150

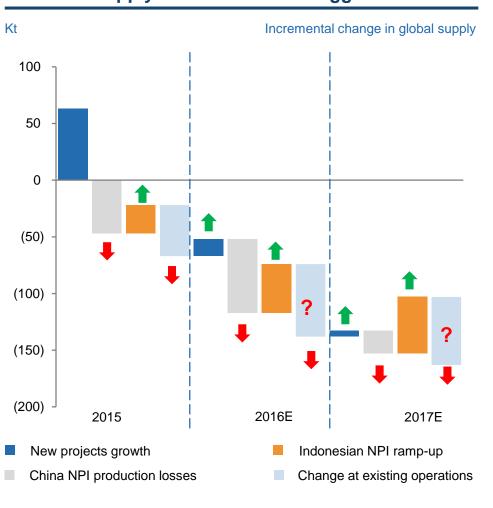
#### **Indonesia NPI Output Forecast for 2015-2017**





## Nickel Market Moving into Deficit in 2016

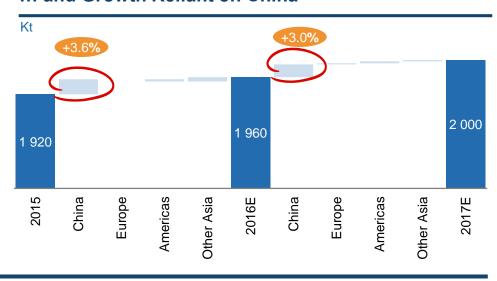
#### **Moderate Supply Cuts Have Been Triggered ...**



#### ... while Global Consumption Holds ...

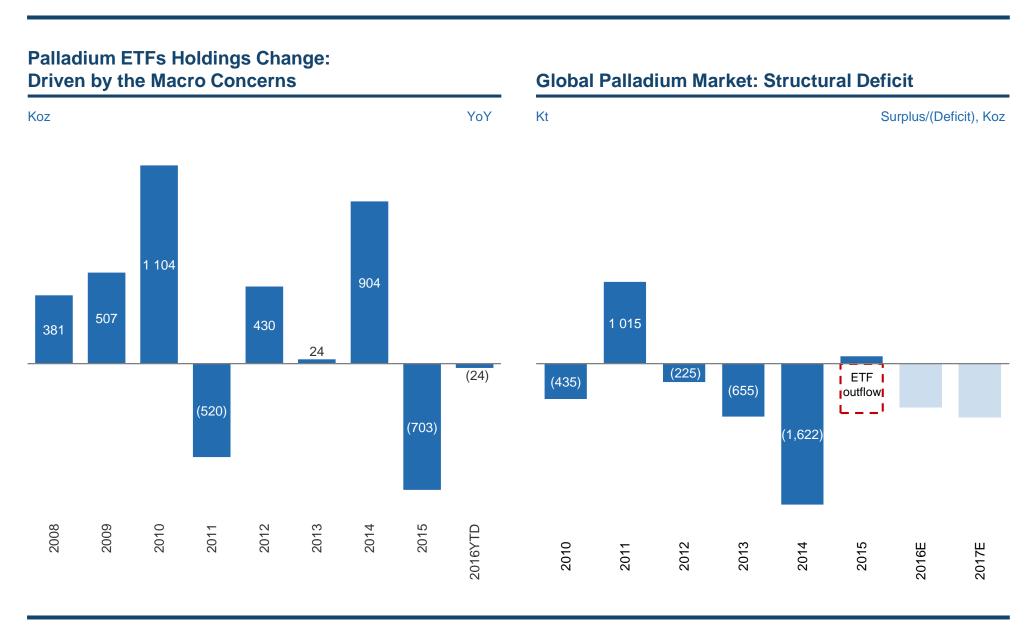


#### ... and Growth Reliant on China



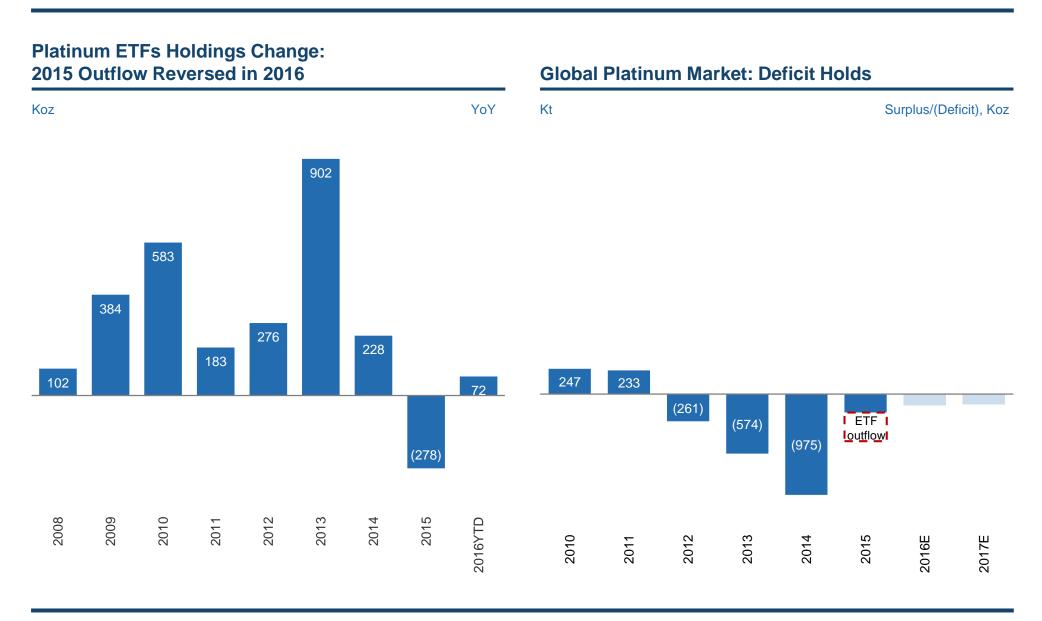


### **Palladium Market in Structural Deficit**





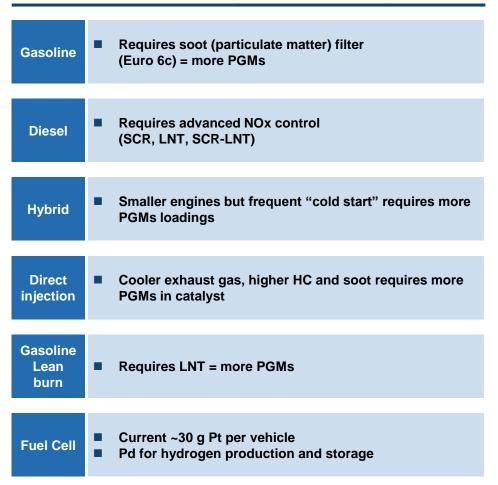
### **Platinum Market – Deficit Holds**



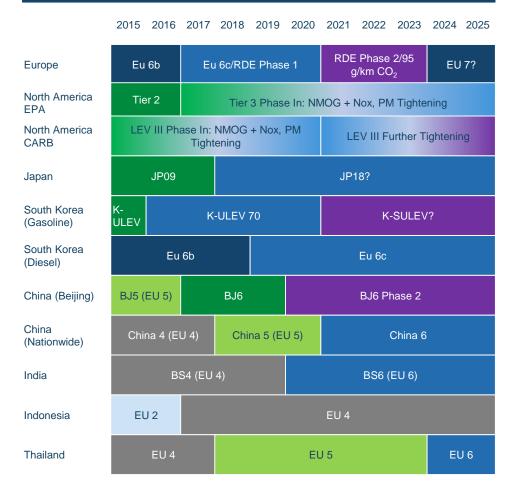


## PGM Demand Drivers In Automotive Industry – Tightening Environmental Regulations

## Increasing Complexity of Emission Systems and Powertrains Requires Higher PGM Loadings



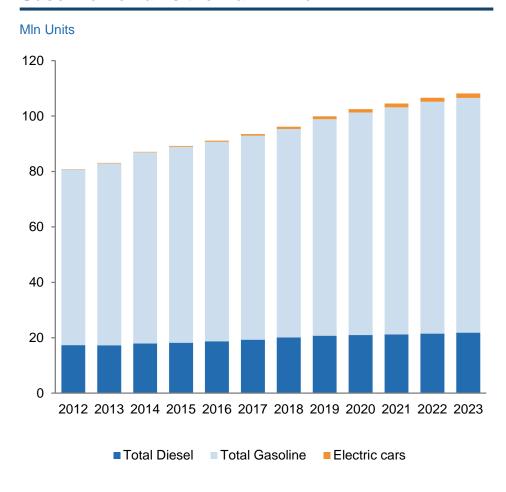
#### **Tightening Emission Legislation**

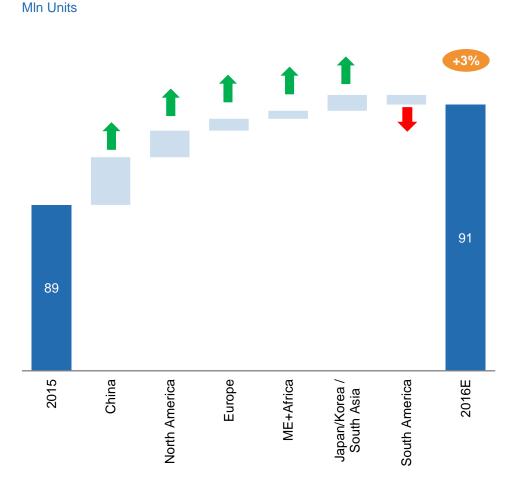


## **PGM** Demand Drivers In Automotive Industry – Rising Vehicle Production

## **Total Number of Vehicles Forecasted to Increase: Gasoline Remains the Main Driver**

#### **Global Light Vehicle Sales Expected to Grow in 2016**





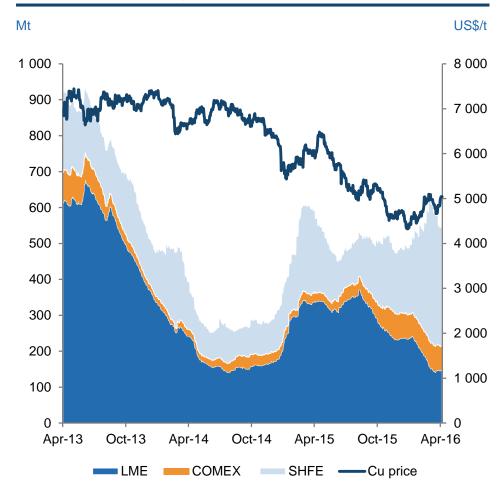
## **Copper Market: China Driven Demand and Low Global Inventories**

## **China Remains the Main Driver for Cu Consumption Growth**

### Mt

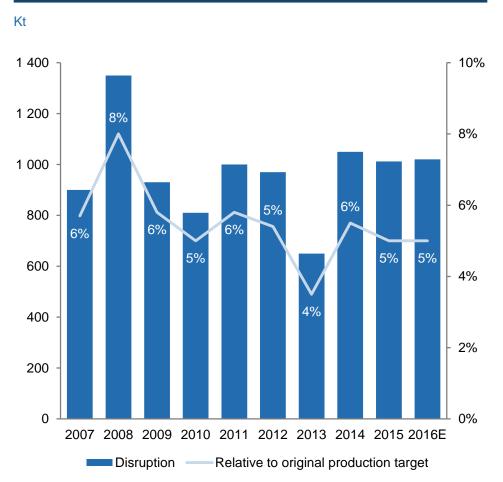


## LME Copper Price Near Multi Year Lows while Inventories Run Tight

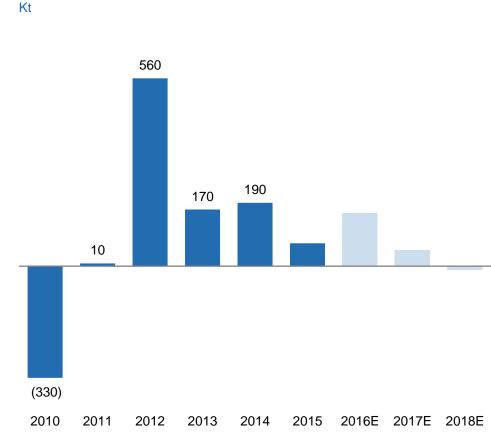


## Copper Market Remains Balanced, Supply Disruptions - Limited

## Copper Supply Disruptions: Unfold in 2015 at 5% in Line with Historical Average



#### **Copper Supply/Demand Balance**



### **Metal Markets Outlook**

Metal	Inventory (days of consumption)	Loss making production (% of cost curve)	Forecasted market Medium-term balance fundamentals
		30%	Kt Deficit
Nickel	80	70%	(70)
	■Exchange ☑ Off-exchange	■ Profitable ■ Loss-making	■2016E ■2017E
			Koz <b>Deficit</b>
Palladium	87	46%	(550) (700)
	■ETF	54%	■2016E ■2017E  Koz <b>Deficit</b>
Platinum	120 ■ ETF	■ Profitable ■ Loss-making <sup>1</sup>	(150)
			■2016E ■2017E  Kt 460 Balanced
Copper	9	90%	160 Balanced
	■ Exchange inventory	■ Profitable ■ Loss-making	■2016E ■2017E







## **Financial Strategy and Results**

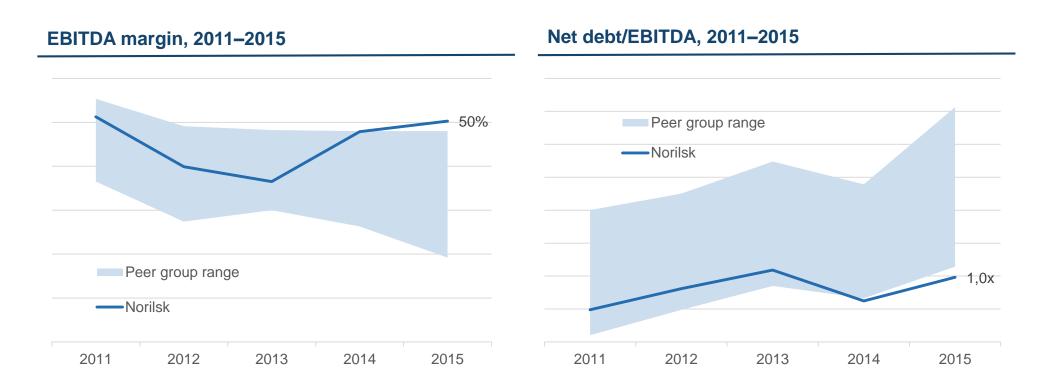
Sergey MALYSHEV
Senior Vice-President
Chief Financial Officer

## Financial Policy Framework...

#### **Financial Policy Goals Recent Achievements** Industry leading US\$ unit cost Maintain industry leading profitability by containing operating **Profitability** improvement in 2012-2015 costs while benefiting from rouble devaluation Industry leading EBITDA margin Debt maturity extended Maintaining investment grade credit ratings Funding sources diversified (Chinese **Prudent Balance** Balanced debt structure in terms of currencies, maturities, credit line, Sberbank project and financing sources financing etc.) **Sheet Management** Above-average liquidity and Defensive liquidity management comfortable leverage ratios Working capital stable despite one-**Working Capital** Following significant improvement in previous years, off increases; some release maintain achieved levels of net working capital Management expected in 2016 2015 audited results published in **Financial** Gradually speed up publication of IFRS financials mid-March (vs late March in **Disclosure** previous years)

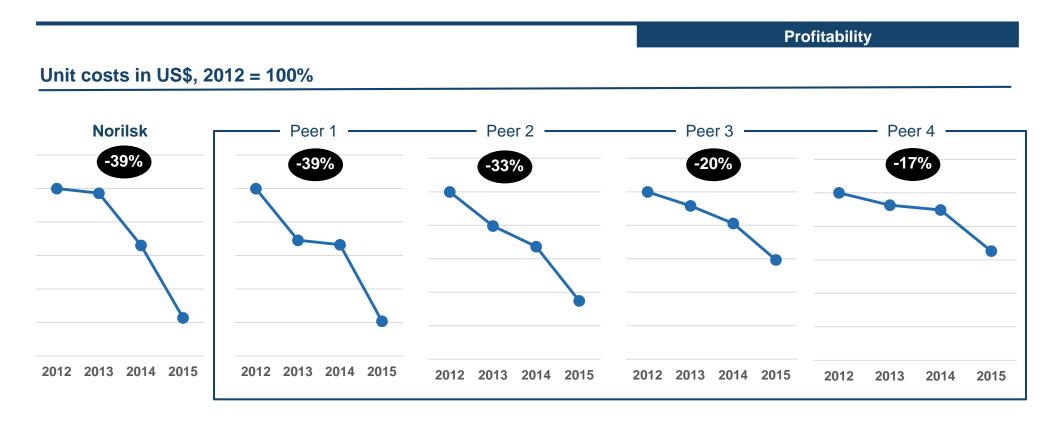


## ... Resulting in Global Leadership on Margins and Balance Sheet Strength



 Company's leading cost position and conservative financial policy allow Norilsk to maintain strong standing through the commodity cycle

## **Unit Costs Under Control Despite Some Headwinds**



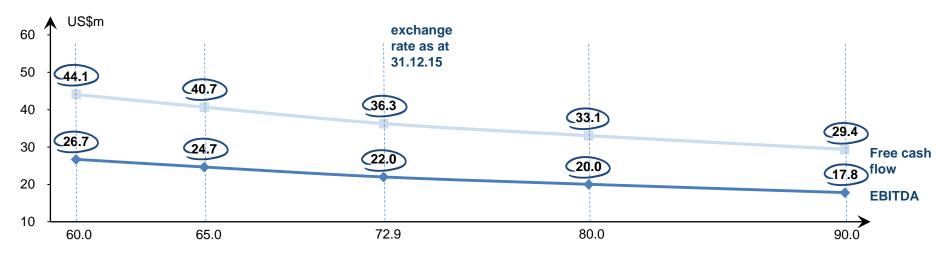
- Despite some of the negative underlying trends (ore degradation, depletion of low-cost secondary feedstock, catch-up inflation of consumables and salaries etc.) the company managed to outperform peers
- Tight cost controls were greatly helped by the US\$ appreciation starting from 2H14



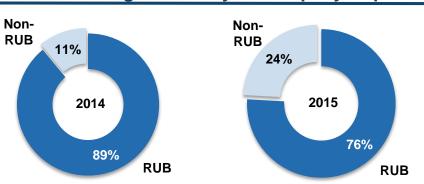
## **EBITDA and FCF Strongly Supported by FX**

#### **Profitability**

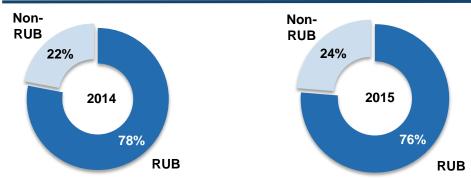
At the year-end US\$/RUB rate of 72.9, 1% change in exchange rate translates into EBITDA change of US\$ 22.0m, FCF change of US\$ 36.3m



#### **Share of Foreign Currency in Company CapEx**



#### **Share of Foreign Currency in Company OPEX**

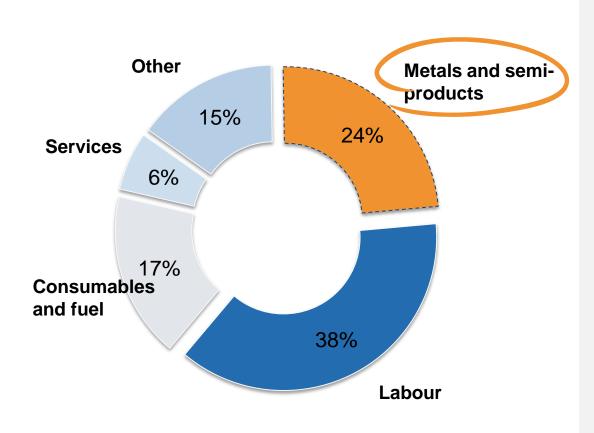




## **Labour to Drive Costs Going Forward**

#### **Profitability**

#### 2015 Cash Cost Structure



- With third party feedstock gradually phased out in 2016–2017, the cost base will be dominated by RUBdenominated labour (c.50% of the total)
- With wages linked to Russian CPI, costs will be driven mainly by domestic inflation as estimated by the Federal Statistics Service
- RUB cost inflation expected at around 12% year-on-year in 2016 on the back of wage increases, carryover consumables inflation from last year, and one-off maintenance outlays in the wake of Nickel plant closure



## **Balance Sheet Management: Staying Conservative**

#### **Balance Sheet**



- Net debt/EBITDA of 1.0x as of year-end
- Rating agencies supportive of the balanced dividend policy



Liquidity

- Liquidity levels above industry average
- New committed loan facilities in 2015 and 2016



- Debt portfolio fully unsecured, no restrictive covenants
- No large short-term repayments
- Multiple funding options and unconstrained access to capital markets



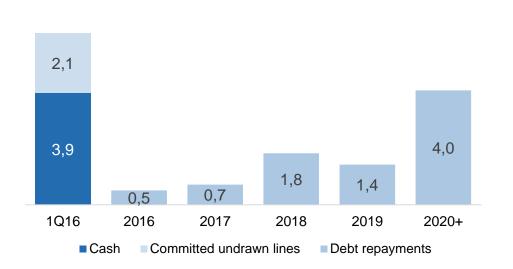
## **Defensive Liquidity Management**

#### **Balance Sheet**

- Norilsk's cash covers three years of debt repayments, with over 90% of cash held in hard currency
- Above-average levels of liquidity allow for greater flexibility and provide cushion against one-off spikes in volatility
- Landmark first-in-class RMB5bn syndicated backstop revolving credit facility signed with Chinese banks in Jan 2016

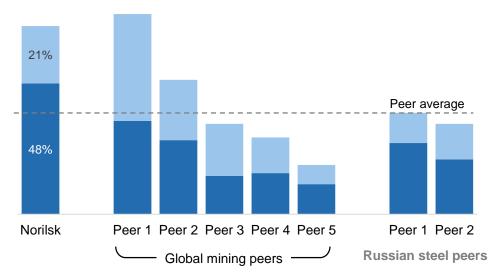
#### Liquidity and Debt Repayment Schedule, 1Q16-end

#### US\$ in bn



#### **Liquidity Position vs. Peer Group**

Cash & available committed credit lines/Revenue, %



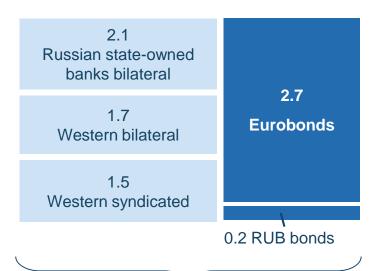


## Norilsk Retains Unfettered Access to a Wide Range of Funding Options, Including Capital Markets

**Balance Sheet** 

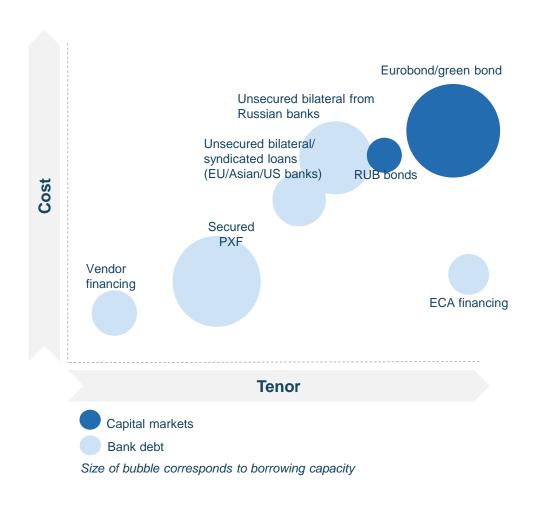
#### **Current Portfolio Structure**

US\$ in bn



100% unsecured86% long-term76% in US\$ (natural hedge vs revenue)No restrictive covenants

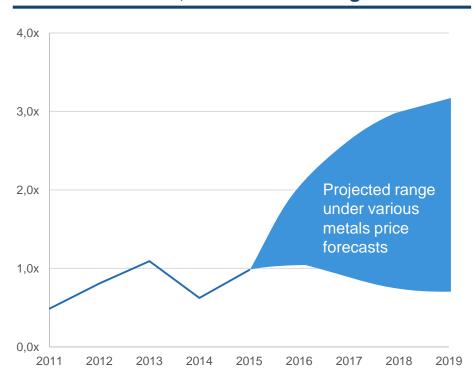
#### **Further Funding Options Available (Illustrative)**





### **New Dividend Targets to Keep Leverage in Check**

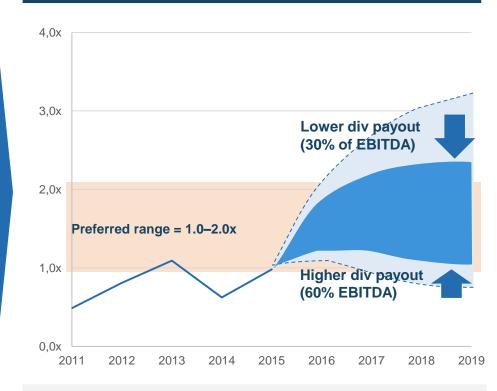
#### Net Debt/EBITDA, Old Dividend Targets



 Given poor performance of metal prices and increased volatility, the company was facing significant uncertainty with regard to future leverage

#### **Balance Sheet**

#### **Net Debt/EBITDA, Current Dividend Targets**



- "Self-balancing" dividend targets provide for lower payout under bearish price scenarios, stabilizing the debt within preferred range of 1–2 times EBITDA
- New dividend targets safeguard balance sheet while ensuring efficient capital structure



## Adherence to Investment Grade Credit Metrics Ensures Strong Rating Performance

**Balance Sheet** 

#### **Resilience to the Country Risk**

#### 

# Pre-review rating

**Recognition of Strong Performance** 

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	Pre-review rating		Post-review rating
<b>bhp</b> billiton	A1	<b>▼</b> -2	А3
CODELCO	A1	<b>▼</b> -2	А3
RioTinto	А3	<b>▼</b> (-1)	Baa1
GLENCORE INTERNATIONAL plc	Baa2	<b>▼</b> (-1)	Baa3
NORILSK NICKEL	Ba1		Ba1
ANGLO AMERICAN	Baa3	<b>▼</b> -3	Ba3
VALE	Baa3	<b>▼</b> -3	Ba3

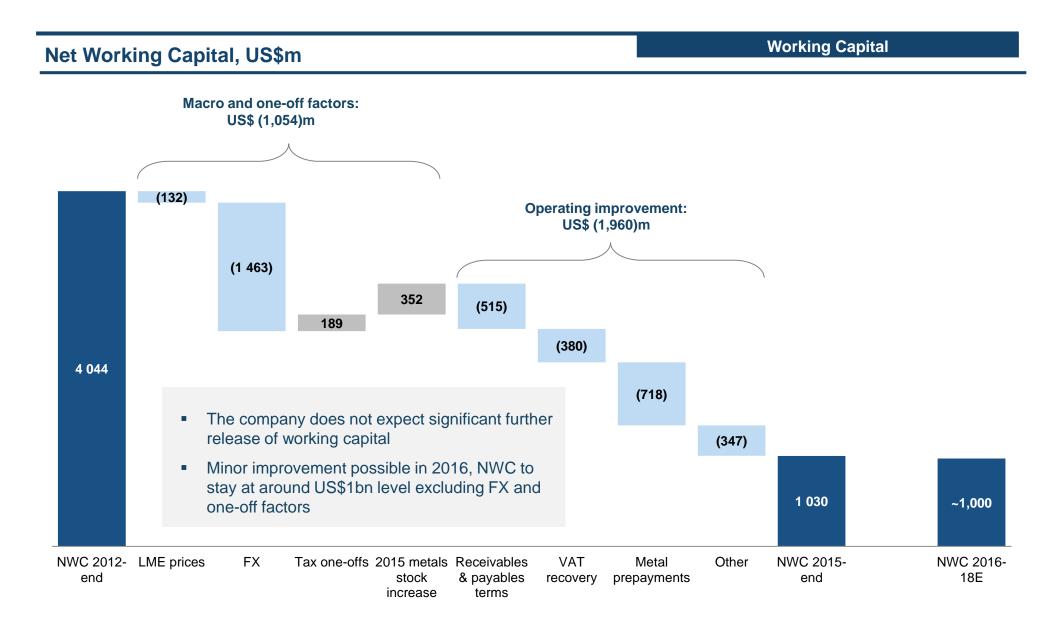
- Norilsk Nickel is one of only two Russian corporates with two investment grade ratings
- Norilsk Nickel's S&P rating is above the Russian sovereign\* and Gazprom, reflecting the Company's resilience to country risk
- Norilsk Nickel's Moody's and Fitch ratings are at the level of the country ceiling
- During Moody's recent review of the global commodity sector, Norilsk Nickel ratings were affirmed even as the majority of metals & mining majors were downgraded by multiple notches,



**NORILSK NICKEL** 

<sup>\*</sup> Current Russian Sovereign are: BB+ for Standard and Poor's; Ba1 for Moody's; BBB- for Fitch Ratings.

## **Net Working Capital to Stay Around Current Levels**





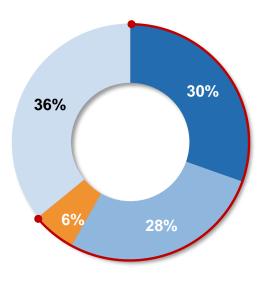




## **Corporate Governance**

Andrey BUGROV
Deputy Chairman of the Board,
Senior Vice-President

#### **Shareholder Structure**



64%
of the shares are owned by the parties to the Shareholder
Agreement since December 2012

- Interros
- UC Rusal
- Crispian Investments Limited
- Free Float



Vladimir Potanin
CEO of Norilsk Nickel
Founder and President, Interros



Oleg Deripaska
President, Member of the
Board of Directors, UC RUSAL

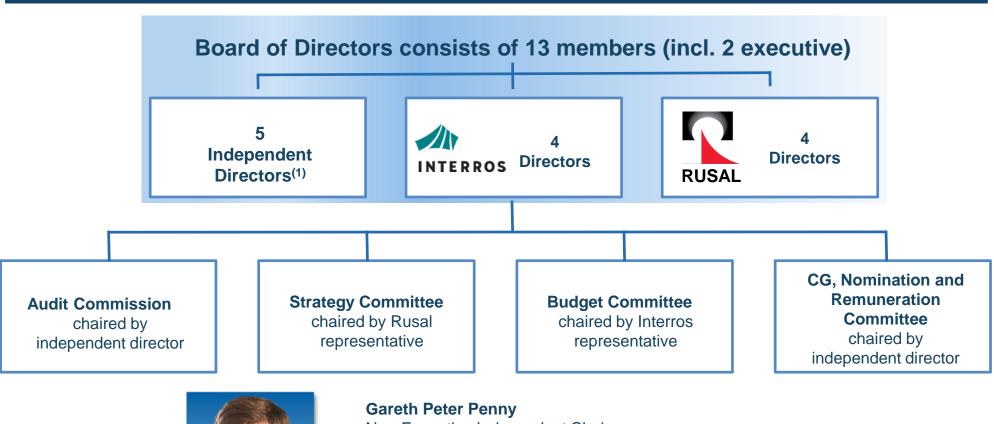
#### **Crispian Investments Limited**

The principal beneficiaries are:

- Mr. Roman Abramovich
- Mr. Alexandr Abramov
- Mr. Alexandr Frolov



#### **Balanced Board of Directors**





Non-Executive Independent Chairman

- 22 years of mining experience with De Beers and Anglo American
- CEO of De Beers in 2006–2010
- Non-executive Board member of Julius Baer Holdings Limited



## **Corporate Governance Initiatives**

- A benchmarking study on the existing corporate governance practices vs. global best practices was prepared by an independent consultant in 2H13
- A number of Corporate Governance initiatives were developed and approved by the Board of Directors in 2014–2015

#### 2014 achievements

- Board Code of Ethics
- 2 Board Remuneration Policy
- Changes to the Charter relating to dividends and AGM procedure
- Board Training and Education Policy

#### 2015 achievements

- Board Evaluation Policy
- Policy on Development and Approval of Recommendations on
- Recommendations on Candidates Nominated to Board
- Anti-corruption Charter of Russian Business

#### 2016 initiatives

- Corporate
  Governance Code
- Improvement of the Board Secretary Function
- Improvement of regulations of Board Committees



### **Board Approach to Corporate Governance Well Established**



- Long-term investments and reinvesting in future growth
- Capital allocation priorities; portfolio of businesses and assets fit
- Integration of sustainability and ESG matters into strategic and operational planning



- Risk assessment
- Constant testing of Strategy viability
- Compensation practices encouraging and rewarding long-term growth, promote implementation of strategy



- Full Board involvement in Strategy: guidance, debates and oversight
- Well-functioning system of the Board Committees
- Right mix of Directors on the Board
- Supportive culture for independent oversight

