

2nd Quarter of FY2017 Progress of Business Strategy

November 16, 2017



Yoshiaki Nakazato President and Representative Director

SUMITOMO METAL MINING CO., LTD.

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FY2017 business outlook



Evaluation of and issues in business results, and the management environment



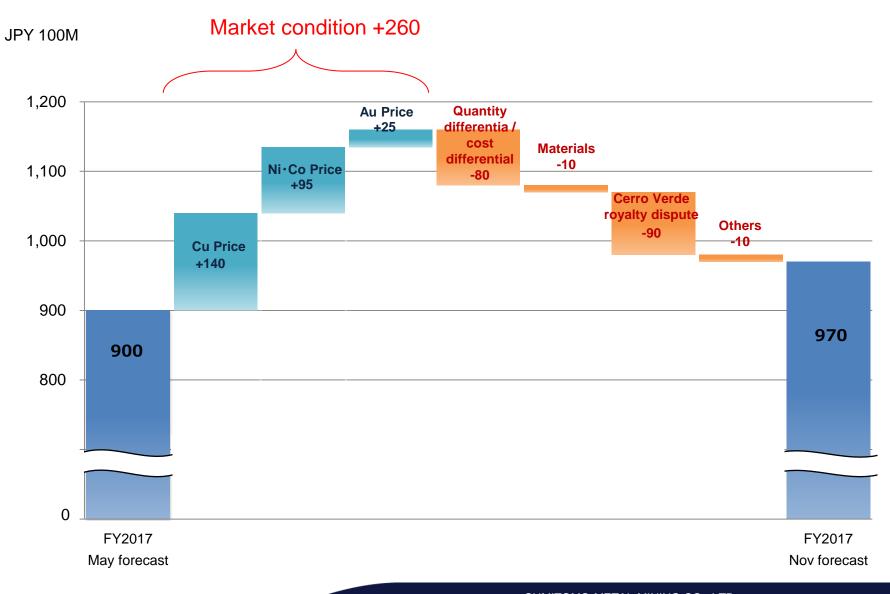
Progress of FY2017 business performance and outlook for annual business results (Progress of 15 3-Yr Business Plan)



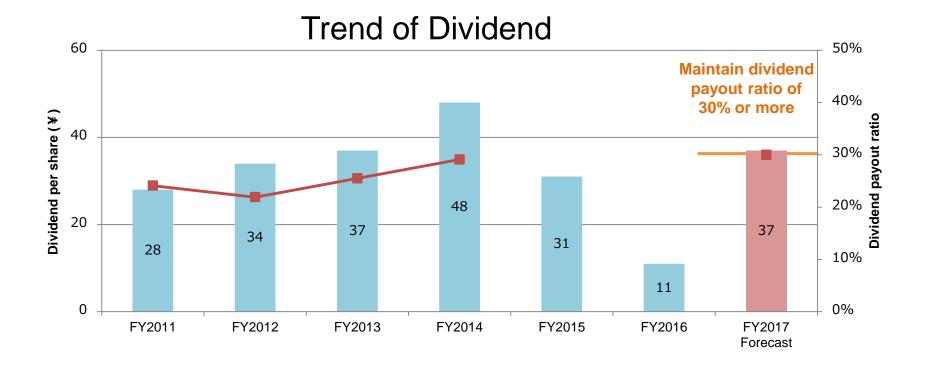
Progress of specific measures and initiatives for engagement

1) Change in business results

		2012	2013	2014	2015	2016	2017(F)
Net S	ales	8,085	8,305	9,213	8,554	7,861	9,030
Opera	ating Income	958	754	1,258	597	764	890
Recu	rring Profit	1,150	1,144	1,742	-128	-16	970
Equity	y Method profit	171	298	239	-732	-860	40
it	Mineral Resources	661	691	538	-443	-536	520
Segment Profit	Smelting & Refining	406	291	813	253	333	320
lent	Materials	33	111	129	60	121	110
Segn	Others	16	16	-1	-8	-1	-10
0)	Diff. Adjustment	34	35	263	10	67	30
Net Income (Profit attributable to owners of parent)		866	803	911	-3	-185	680
Copper (\$/t)		7,855	7,104	6,554	5,215	5,154	6,153
Nickel (\$/lb)		7.69	6.51	7.62	4.71	4.56	4.62
Gold (\$/Toz)		1,654	1,327	1,248	1,150	1,258	1,259
Excha	ange (¥/\$)	83.11	100.24	109.93	120.15	108.40	110.54



3) Return to shareholders



Change in the number of shares constituting one unit, and consolidation of shares

- Effective date: October 1, 2017
- Number of shares constituting one unit: $1,000 \Rightarrow 100$ shares
- Consolidation of shares: Consolidation of 2 shares of common stock into 1 share

*The above graph shows dividends per share calculated on a pre-consolidation basis.





Evaluation of and issues in business results, and the management environment



Progress of FY2017 business performance and outlook for annual business results (Progress of 15 3-Yr Business Plan)



Progress of specific measures and initiatives for engagement

1) Change in business results

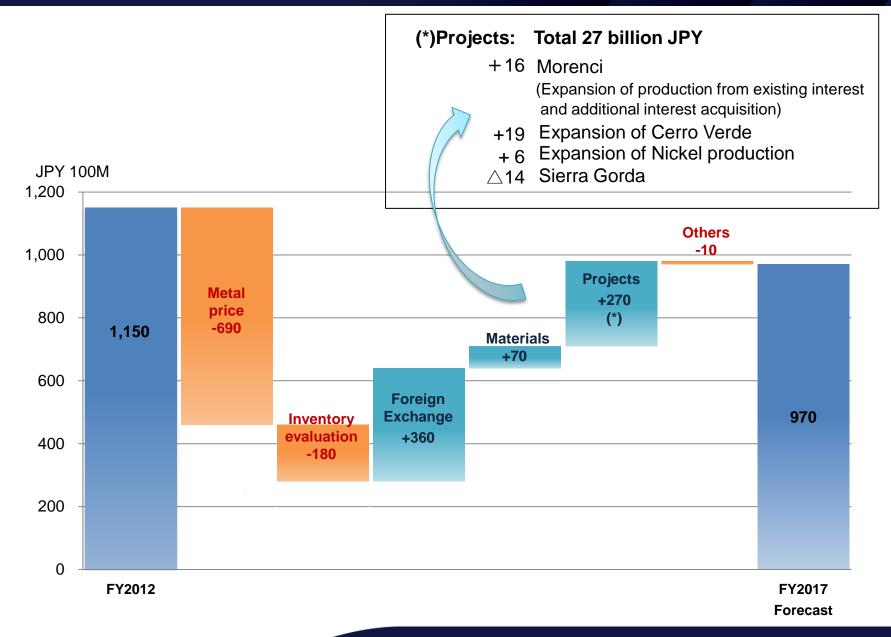
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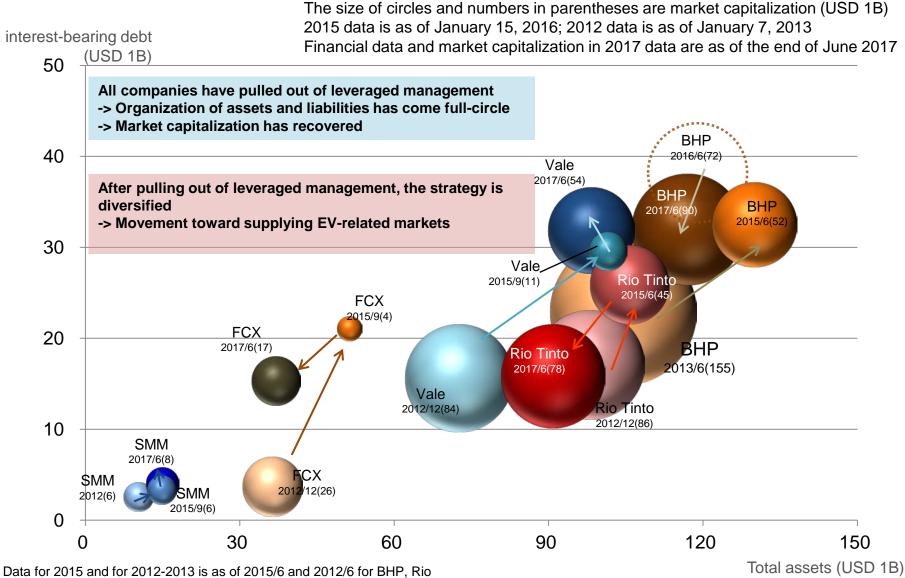
Market condition +260 **JPY 100M** 1,200 Au Price Quantity +25 differential/ cost **Materials** differential -10 Ni · Co Price 1,100 -80 +95 Cerro Verde royalty dispute Others -90 1,000 -10 **Cu Price** +140 900 970 900 800 0 FY2017 FY2017 May forecast Nov forecast

Page 5 repeated

3) Evaluation of FY2012 and FY2017



4) Movements of mineral resources companies and changes in the management environment



Data for 2015 and for 2012-2013 is as of 2015/6 and 2012/6 for BHP, Rio Tinto, and Glencore financial data, and as of 2015/9 and 2012/9 for other financial data

5) Movements of mineral resources companies and changes in the management environment

Norilsk Nickel

Start of negotiations with BASF to cooperate on raw material supply for LiB (2017/6/27 Press release)

Rio Tinto

Singed on Memorandum of Understanding with the Government of Serbia on Jadar Project (lithium project) (2017/7/24 Press release)

BHP

Announcement of US\$43.2 million investment in nickel sulfate production (2017/8/9 Presentation)

Jinchuan Group

Construction of nickel and cobalt refinery targeting EVs in 2018, expansion to nickel 30kt/year and cobalt 3kt/year by 2020 in Guangxi Zhuang Autonomous Region (2017/10/20 Report by Reuters News Agency)

<Status of investment in battery business>

- > 3,550t structure Jan. 2018– (Investment amount: About ¥18.0 billion)
- 4,550t structure Jun. 2018– (Investment amount: About ¥4.0 billion)

Trends in regulations in countries						
US: ZEV regulations	EU: CO2 regulations	China: NEV regulations				
2018– Target: EV, FCV	–2021 Target: All models	2018– Target: EV, FCV, PHEV				
*UK and France will prohibit new sales of gasoline diesel vehicles by 2040						

- VW: By 2025, introduce 50 EV models, sell 3 million EVs worldwide per year
- **Daimler**: By 2022, introduce 10 EV models
- **Renault–Nissan**: 30% of sales target as EVs in 2022
- GM: By 2023, launch over 20 EV and FCV models
- **Tesla**: Annual production of 1 million EVs in 2020
- **Toyota**: Full-scale entry into EVs in 2020

(source : media reports)

- Exchange rate is stable overall
- Geopolitical risks are scattered (North Korea, Europe, etc.)
- The supply/demand balance in non-ferrous markets showed minor fluctuations throughout the year
- Demands for the securing of metal materials to meet the shift to EVs

Relatively stable business environment



8) Issue (1): Safe and efficient operation

- ✓ Safety Performance
- ✓ Cost Control
- ✓ Inventory Management
- ✓ Operations Performance
- ✓ Production Management
- ✓ Quality Control

The foundation of manufacturing: commit to what we planned

Strengthening on-site capabilities

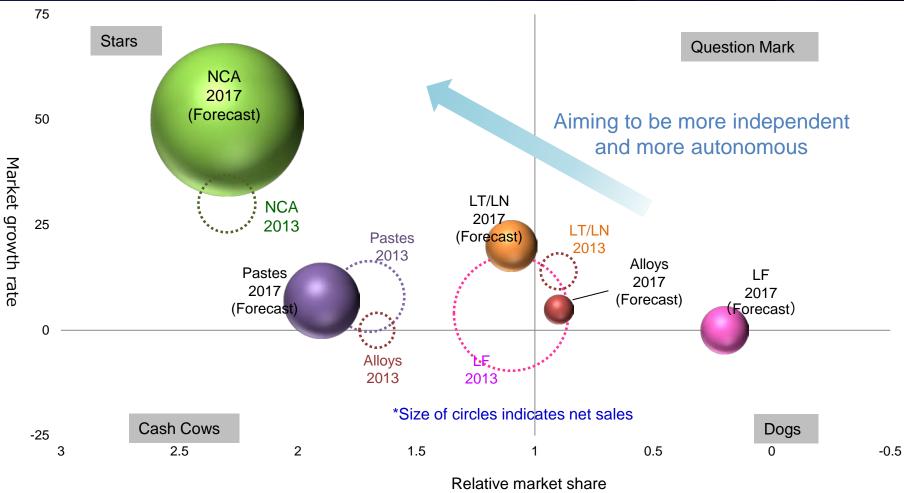
Minimize opportunity losses





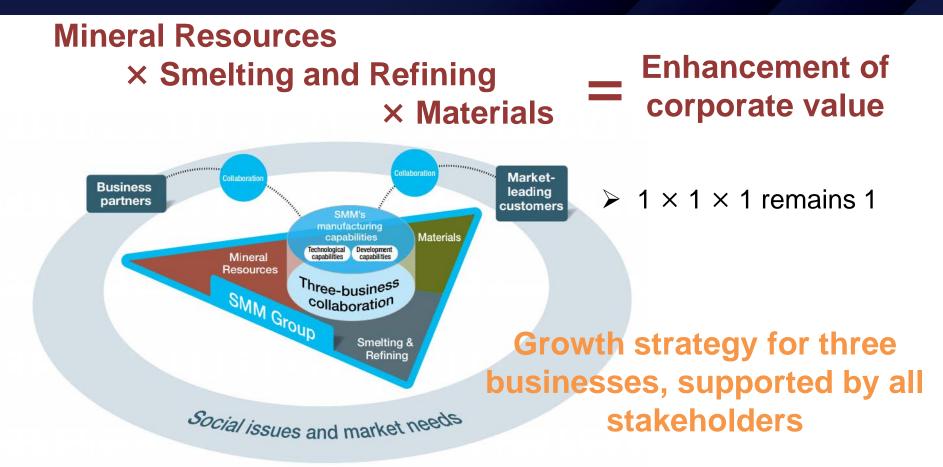


9) Issue(2): Making the Materials Business independent and autonomous



Sowing seeds of new profit-earning businesses -> Planting -> Nurturing

10) The key to achieving growth



The "key" for growth:

Formulation and execution of excellent strategies

- ✓ Having a great deal of foresight in changing business environment
- Free and open corporate culture

Profit contribution of major investments, and making a strategic move for the future

- Stable operation at Morenci

 Stably make profit from additionally acquired interest
- Moving forward with the Côté Gold Project
 - Proactive participation in the project from the FS stage
- Sierra Gorda

Stabilize Operational Earnings



⇒Cash-Neutral Operation/Management

⇒Urging to make profit gains

12) Achieving the strong and solid profit structure: Smelting and Refining

Time for the Smelting and Refining business to display its manufacturing prowess

- Stable operations, cost reduction
- Efforts to efficiently expand

THPAL expansion

Completed 20% expansion structure in Sep. 2017; full production from second half

<u>Harima</u> <u>nickel sulfate</u> <u>expansion</u>

Launch at start of 2018

<u>Scandium</u>

THPAL scheduled to start production in January 2018, Harima Refinery in Apr.

Investment amount ¥300 million Production capacity 30kt => 36kt/year (Ni-t) Investment amount ¥200 million Production capacity 45kt => 49kt/year

(Nickel sulfate volume)

Investment amount ¥4.0 billion Production capacity 7.5t/year (Scandium oxide volume)

Condition: Steady profit trend

(batteries and powder material)

Issue: Rapid changes in the environment

- Crystal business (LT/LN): prolonged inventory adjustment
- Battery business: Contribution on a real ability basis will be
 from 2018

=> Is our strategy execution being ahead of market growth?

To continue the growth strategy

- Entry into SiC business Building new market by utilizing substrate production technology
- Making Granopt Co., Ltd. a subsidiary Strengthening optical communication business



1) Sierra Gorda

- Stable operations
- Molybdenum recovery rate
- De-bottlenecking

2) Battery materials (cathode materials)

- Risk of NMC substituting the NCA market
- Changes in required specifications
- Expectations and uncertainty toward market growth

3) Technology development

- Handling declining ore grade and difficult-to-process ores (impurities)
- Recycling
- Emergence of resource conservation, resource substitution

III. Progress of FY2017 business performance and outlook for annual business results (Progress of 15 3-Yr Business Plan)





Evaluation of and issues in business results, and the management environment

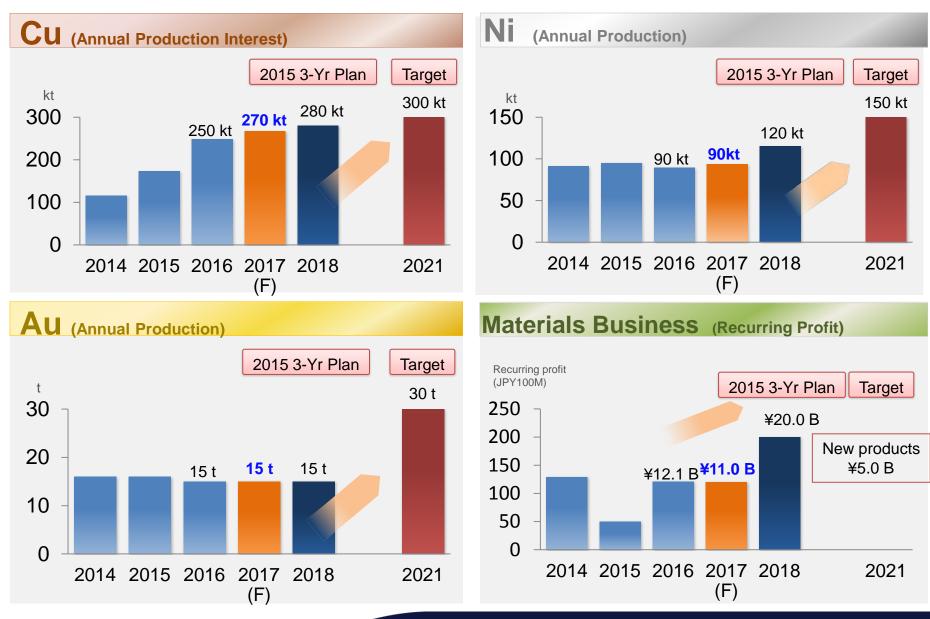


Progress of FY2017 business performance and outlook for annual business results (Progress of 15 3-Yr Business Plan)



Progress of specific measures and initiatives for engagement

1) Status of Achievement of Long-Term Vision



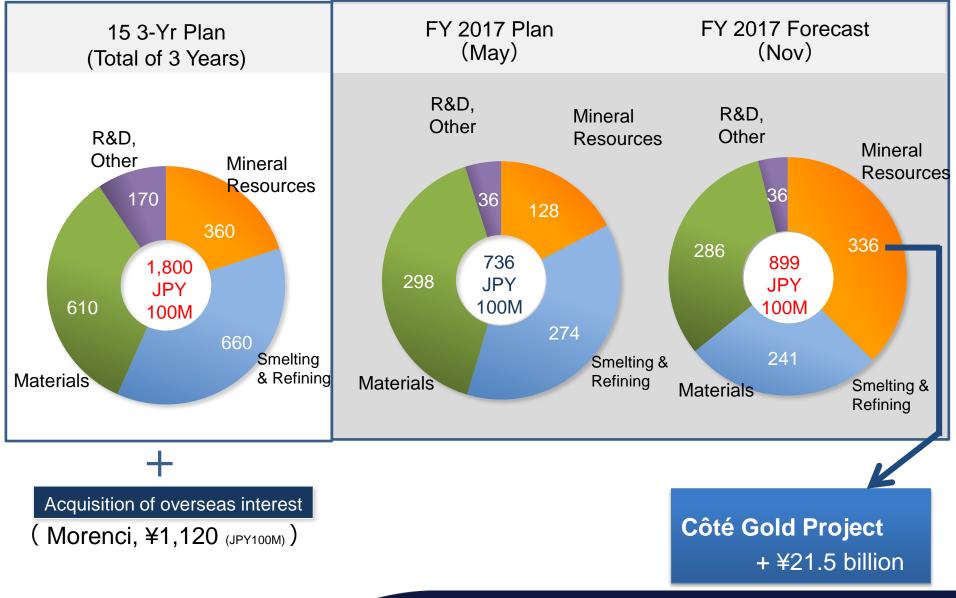
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2) Progress of Major Projects in 2015 3-Yr Business Plan

		Project name	FY2015	FY2016	FY2017	2018 onward
(0	Cu	Sierra Gorda Copper Mine	Start commerc production	ial 110 kt production structure		(Start debottlenecking)
Mineral Resources	Cu	Morenci Copper Mine	Start expanded full- scale production	Acquisition of additional (12% -> 25%)	interests	
ıl Reso	Cu	Cerro Verde Copper Mine		Start expanded full-		
Minera	Ni	Solomon		scale production	withdrawal from PJ	
	Au	Cote			uisition of FS Start	
ם פנ	Ni	Taganito HPAL		Ir	terests 36 kt producti structure	on
Smelting &Refining	Ni	Pomalaa Project				S Start Decision on
S R	Ni	Harima Refinery Nickel sulfate		Second line laur	nch	investment 49kt Structure
rials	Batter	y materials	NCA 1,850 t str		NCA 3,550t Structure	NCA Ternary 4,550t Structure type
Materials	Crysta			300KP structure	(Increase 400KP structure) ^{productior}

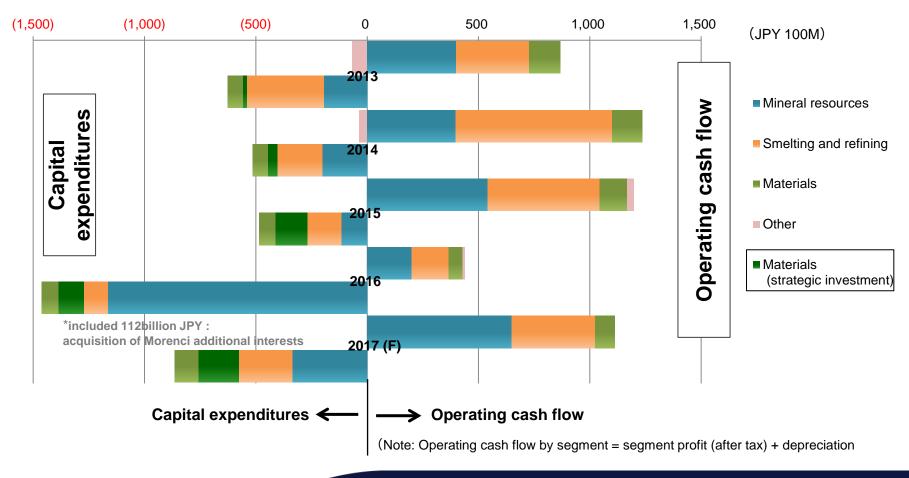
3) Capital Expenditure

(¥100 million)



4) Cash flow (by segment)

Cash generated from mineral resources and from smelting and refining has been allocated to strategic investment in the materials business since FY2015



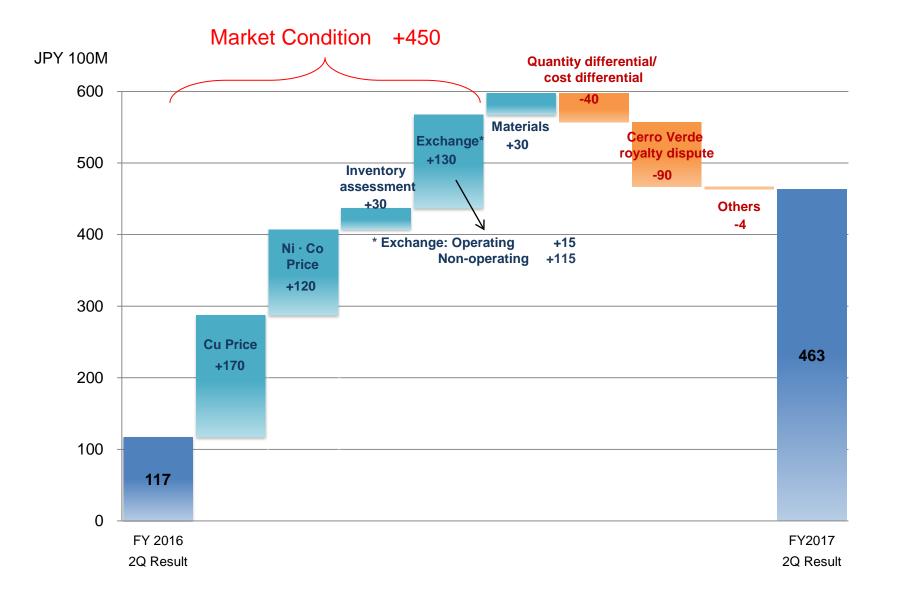
5) Comparison with 15 3-Yr Business Plan (Estimation of FY2017 business results forecast, based on 3-Yr Business Plan given conditions)

		FY2017 Nov Forecast				15 3-Yr Business
		announced value	Estimate from 3-Yr business plan given conditions	Difference		Plan 2018 estimates
Net Sales		9,030	9,463	-433		10,600
Operating	Income	890	1,323	-433		1,400
Recurring	Profit	970	1,481	-511		1,700
Equity N	Method profit	40	118	-78		270
	Mineral Resources	520	501	+19		660
Profit	Smelting & Refining	320	850	-530		800
Segment Profit	Materials	110	110	-		200
Seg	Others	-10	-10	-		-20
	Diff. Adjustment	30	30	-		60
Net Income (Profit attributable to owners of parent)		680	1,038	-358		1,200
Copper (\$/t)		6,153	6,000	+152		6,000
Nickel (\$/lb)		4.62	7.00	-2.38		7.00
Gold (\$/Toz)		1,259	1,150	+109		1,150
Exchange	e (¥/\$)	110.54	120.00	-9.46		120.00

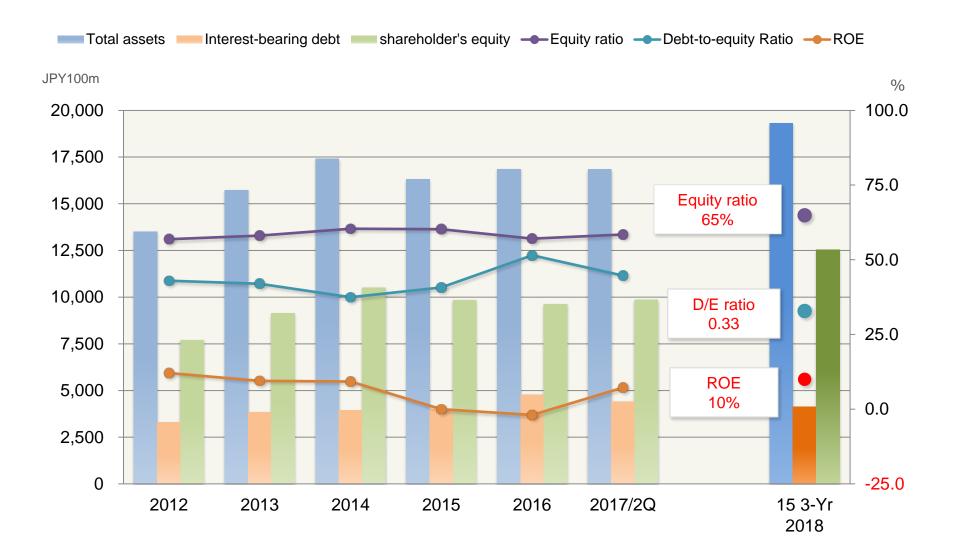
6) Overview of 2Q financial results and FY2017 forecast (November)

		2017/1H (A)	2016/1H (B)	Difference (A) – (B)	2017 Nov Forecast(C)	2017 May Forecast(D)	Difference (C) – (D)
Net Sa	Net Sales		3,665	+756	9,030	8,550	+480
Operat	ing Income	447	219	+228	890	750	+140
Recurr	ing Profit	463	117	+346	970	900	+70
Equity	Method profit	-27	-41	+14	40	100	-60
	Mineral Resources	176	123	+53	520	490	+30
rofit	Smelting & Refining	182	36	+146	320	260	+60
Segment Profit	Materials	65	37	+28	110	120	-10
Segn	Others	1	3	-2	-10	-10	0
	Diff. Adjustment	39	-82	+121	30	40	-10
Net I	ncome (Profit attributable to owners of parent)	351	33	318	680	630	+50
Copper (\$/t)		6,005	4,752	+1,253	6,153	5,800	+352
Nickel (\$/lb)		4.49	4.33	+0.16	4.62	4.75	-0.13
Gold (\$/Toz)		1,268	1,297	-29	1,259	1,200	+59
Exchar	nge (¥/\$)	111.08	105.31	+5.77	110.54	110.00	+0.54

7) Recurring Profit Analysis (2) FY2016Q2 business performance vs FY 2017Q2 business performance



8) Financial Strategies Maintenance of a Sound Financial Structure



9) Copper, Nickel: Supply and Demand Forecast

<u>Copper</u>

[ICSG Forecast Oct. 2017]

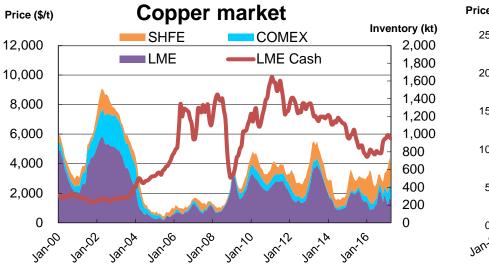
(kt)

	2016	2017	2018
Production	23,339	23,583	24,179
Usage	23,491	23,733	24,283
Balance	-152	-151	-104

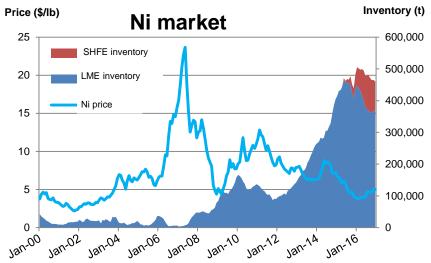
<u>Nickel</u>

(kt)

	INSG Forecast 2017/10			SMM Forecast 2017/10		
	2016	2017	2018	2016	2017	2018
Production	1,981	2,052	2,206	2,049	2,041	2,112
Usage	2,035	2,150	2,259	2,079	2,139	2,197
Balance	-54	-98	-53	-30	-98	-85









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(JPY100M)

Element	Degree of variation	FY 2017 Operating income/ Recurring profit
Cu	±100\$/t	16/29
Ni	±10¢/lb	16/18
Au	±10\$/toz	5/5
JP¥/\$	±1¥/\$	10/10

(Remark) USD/JPY translation include RC-related and Conversion rate of overseas consolidated / equity-method affiliate companies' profit.





Evaluation of and issues in business results, and the management environment



Progress of FY2017 business performance and outlook for annual business results (Progress of 15 3-Yr Business Plan)



Progress of specific measures and initiatives for engagement

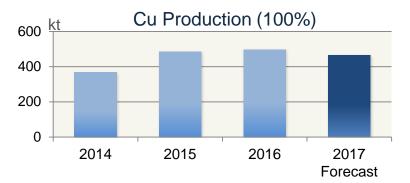
1) Mineral Resources (1) Copper: Stable Operation of Existing Mine (Morenci, Cerro Verde)

Morenci Copper Mine (Arizona, US)

FCX	72%
SMM	25%
Sumitomo Corp.	3%
	SMM



- Effect of acquisition of additional interests -> 12 months (FY 2016: 7 months)
- Production amount: FY 2017 464 kt (planned) -> 463kt(Estimate)

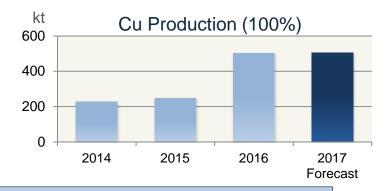


Cerro Verde Copper Mine (Peru)

Equity interest ratio	FCX SMM Sumitomo Corp. Other	53.56% 16.80% 4.20% 25.44%
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- Production output: FY2017 522kt (planned) -> 504kt (forecast)
- $\boldsymbol{\cdot}$ Affected by strike in March, heavy rains from April
- $\boldsymbol{\cdot}$ Recording of royalties from past fiscal years, etc.



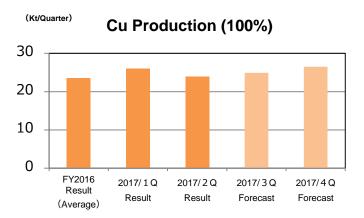
Continue stable production to benefit from recovering copper prices

1) Mineral Resources (1) Copper: Stable operation of existing mines (Sierra Gorda)

Sierra Gorda Copper Mine (Chile)

Equity 55.0% KGHM interest SMM 31.5% ratio Sumitomo Corp. 13.5%





FY 2017 Progress

Production output

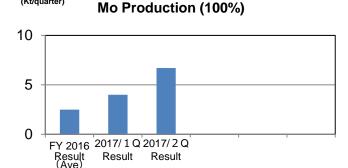
Copper: FY2017 100kt (planned) -> 101kt (forecast)

Molybdenum: Confirmation of improved yield

(Decline in production output is due to decline in ore quality)

· Revision of expansion plan (de-bottlenecking)

Consideration of production scale, equipment improvements, etc.; continuation of discussions among shareholders



Stabilizing of profits from operations -> Continuation of initiatives for shift to cash-neutral

(Kt/quarter)

1) Mineral Resources (2) Gold: Stable Operation of Existing Mine (Hishikari, Pogo)



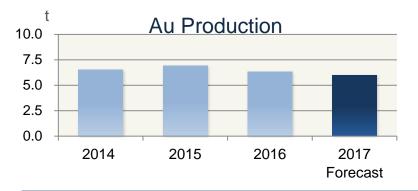


Lower ore deposit development

Continuing with priority on safety

· 2016 year-end reserves: 169 t (JIS standard)

• Production output: FY2017 6.0t (planned) \rightarrow 6.0t (forecast)



Pogo Gold Mine (Alaska, US)

Equity interest ratio

SMM 85% Sumitomo Corp. 15%

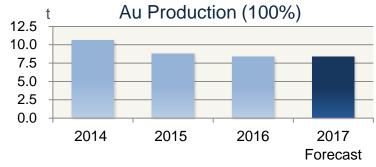


 Promotion of cost reduction measures and continuation of active exploration of peripheral areas

2016 year-end reserves Reserve 39 t

Resource 98 t Canadian standards)

• Production output: FY2017 8.7t (planned) \rightarrow 8.4t (forecast)



Continue stable production; promote initiatives to extend mine life

Exploration activities Currently expanding activities with focus on Canada, Australia, and South America

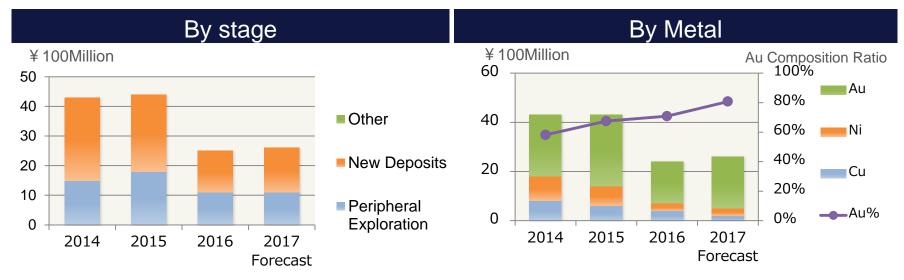
Efforts to acquire new mining interest

Expansion of information-gathering antenna and greater speed of gold development project evaluation Expansion of gold production interest volume through collaboration with the world's medium producers Efforts to uncover gold development projects that leverage SMM's technological capabilities and that will truly contribute to strengthening our management foundations

Jun. 2017: Acquired 27.75% interest in Côté Gold Project (Canada)

=> From Sep. begin FS, dispatch human resources from SMM too

Exploration costs



Engage in exploration and acquisition of interests, with gold as the main target

2) Smelting & Refining(1) Copper smelting and refining: Maximization of competitiveness

Toyo Smelter & Refinery

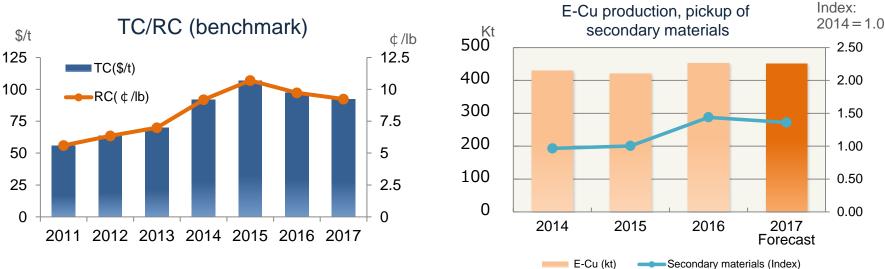
Production volume

FY 2016: Achieved record-high 451 kt

FY 2017: 450 kt (planned)

Further improve profitability as world-leading copper smelter through processing expansion of profitable raw materials and cost reductions



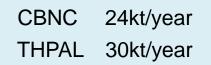


Benefit from high-level TC/RC through full production under 450 kt production structure under stable operation

2) Smelting & Refining (2) Nickel smelting and refining: Promotion of stable operation and construction of expansion

CBNC/THPAL, Niihama Nickel Refinery, Harima Refinery, Hyuga Smelting Co., Ltd.

• THPAL Expansion was completed in Sep.; mass production from second half

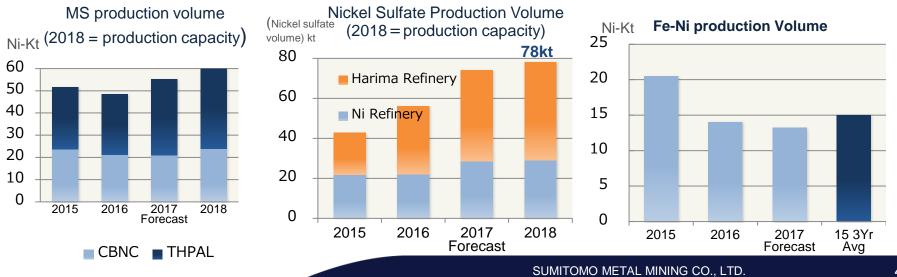


From FY 2017 2H Production capacity

CBNC: 24kt THPAL: 36kt

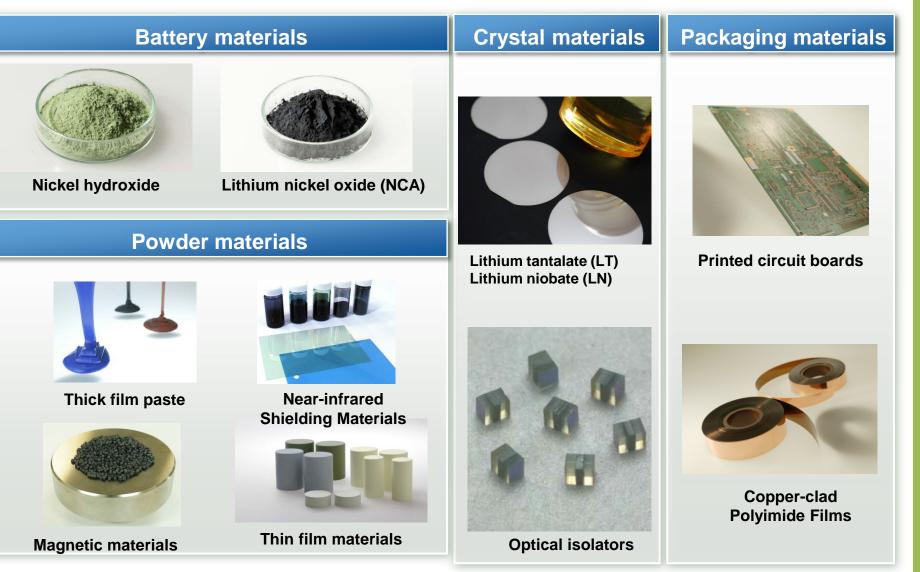
2 HPAL 60kt structure in the Philippines

- Niihama Nickel Refinery: Achievement of nickel sulfate expansion and stable production of electrolytic nickel
- Harima Refinery: Full production under an annual 45kt production structure for nickel sulfate; now constructing a 49kt structure
- Hyuga Smelting : Continuation of stable operations under 2-kiln, 1-electric furnace operation



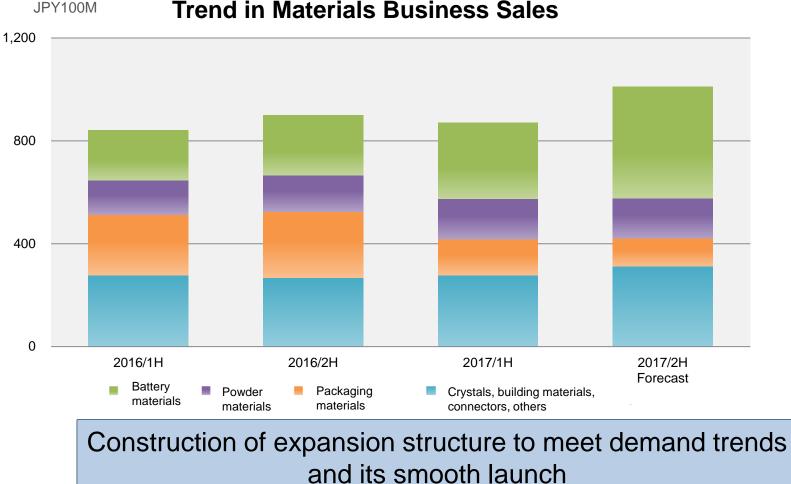
3) Materials (1) Materials products and sub-segments

Developing products in the advanced materials area with four core functionalities



3) Materials (2) Trend in sales in sub-segments

Battery materials: 3,550t/month production structure expansion will contribute to sales from 3Q Crystal materials: Customers' LT/LN inventory adjustment is expected to continue

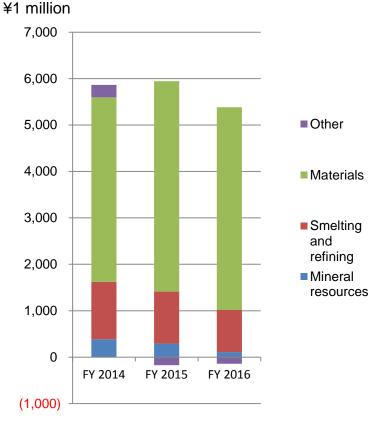


Trend in Materials Business Sales

4) Research and Development (1) Achievements

Research and development achievements in fiscal 2017

Change in research and development expenses by business segment



Materials Business (materials development)

[Battery materials]

 Increased capacity through higher nickel content in electric vehicle battery cathode material (lithium nickel oxide) and improved output characteristics through particle surface coat (particle surface modification); transition to mass production

[Crystal materials]

• Improvement in crystal growth yield lithium tantalate single crystals for SAW filter devices, and reduction in cost of wafer manufacturing

Smelting & Refining Business (process development)

- [Scandium recovery process]
- Development of process to recover scandium from nickel oxide ore; construction of commercial plant

[Lithium-ion battery recycling]

 Development of process to recover copper and nickel from used lithium-ion batteries

4) R&D (2) Domains and sectors



Established new ICT promotion office in December 2016. Will aim to construct mechanisms for data analysis unified across the company.

Concentration on growth strategy fields, search for "seeds" of next-generation business

Corporate governance structure

Multiple outside directors and increased ratio of outside directors

Independent outside directors among all 8 directors: 2015: 2-person structure

- \rightarrow 2016: Toward 3-person structure
- → 2017: General managers of all three core business divisions made into Directors

2016-2017

Discussion of "ideal" for Board of Directors

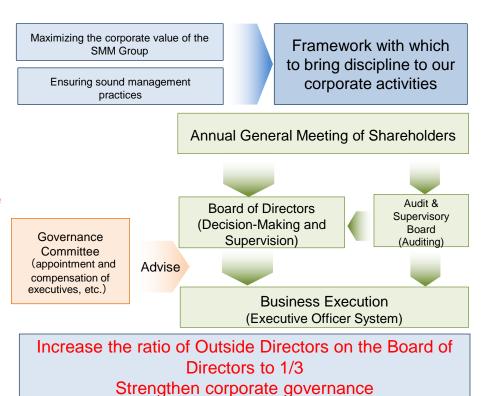
SMM's Board of Directors affirmed that it will place importance on decision-making functions, and will aim to strengthen that

Supports for Outside Directors (Outside Audit & Supervisory Board Members)

Advance briefing on Board of Directors agenda Convening of Outside Directors' Conference composed of only outside directors, and meetings at which outside directors and top management exchange ideas directly

Engagement

- Strengthening of engagement with shareholders, etc. by company management (domestic / overseas)
- Continue direct dialogue by top management and explanation of business strategy to investors, etc. by persons responsible for businesses
- Hold new briefings for individual investors (scheduled)



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The regional impact of mine development is large, and extends broadly to the economy, environment, human rights, and the regional community



In addition to legal permit to operate, obtaining a "Social License to Operate," based on relationships of trust with local communities, is a prerequisite for business continuity, so that development can be performed in the area where the targeted resources are located



In order to acquire social license to operate and to engage in sustainable business operations

The promotion of our Corporate Philosophy of "sustainable co-existence with society and the global environment" and related investments are essential

- Minimize negative impacts
- Effectively return positive impacts to the community, through employment, procurement, social contribution activities, etc.
- Promotion of mutual understanding through regular dialogs with local residents, and construction of relationships of trust
- Enhancement of corporate governance

Note

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Any projections included in these materials are based solely on information available at the time of this briefing, and are subject to change based on market conditions,

competitive conditions, and a number of other factors.

Therefore, we ask that you refrain from making any investment decisions based on these materials alone. The Company cannot be held responsible in any way for any losses that may occur as a result of the use of these materials.

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