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# Medium-term Plan (MTP) Phase 2

# **Financial Strategy** (Issuance of JPY40 billion Class A Shares)

2 February 2017 Nippon Sheet Glass Co., Ltd.

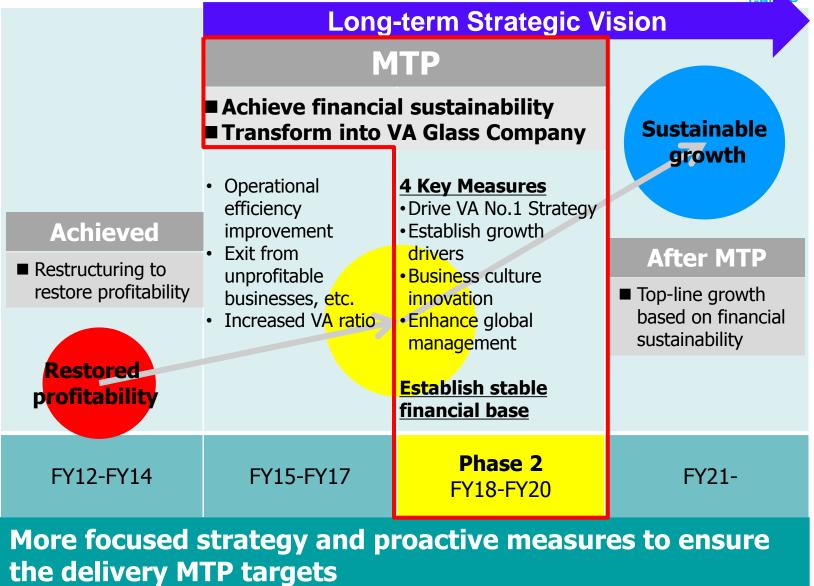
### Agenda

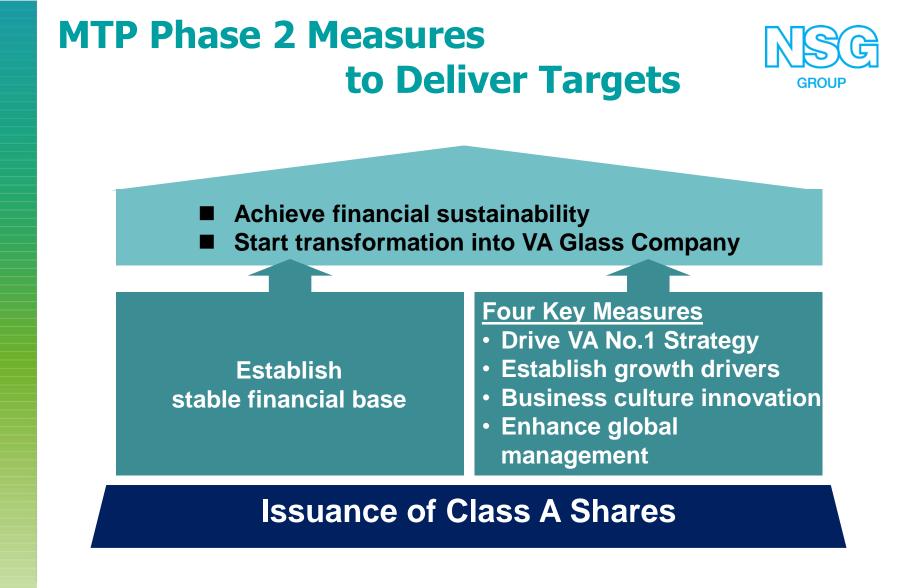


- Summary of MTP Phase 2
- Financial Strategy
- Delivery of MTP Phase 2 Targets
- Summary

### **Summary of MTP Phase 2**





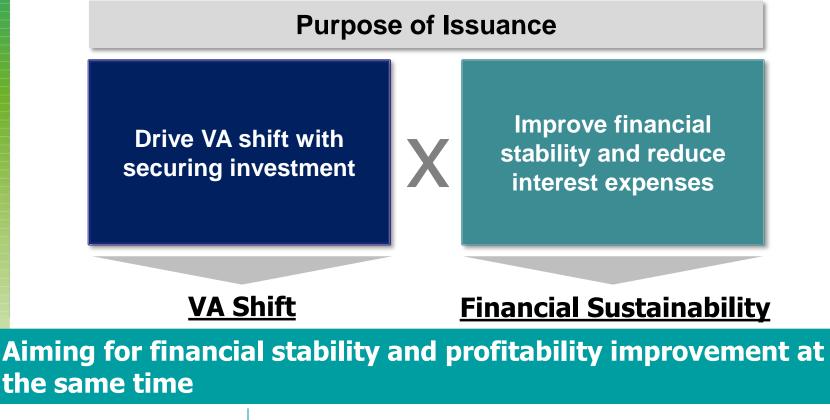


Class A Shares to be issued to expedite establishment of stable financial base and execute key measures

### **Purpose of Issuance**



- Purpose of Issuance of JPY40 billion Class A Shares
  - Enhance shareholders' equity and increase financial stability in view of volatility and uncertainty in the environment
  - Secure fund for investment to execute VA No.1 Strategy



# **Summary of Issuance**



#### • Summary

Amount	JPY40 billion
Planned	Japan Industrial Solutions <sup>*1</sup> (Funding by Development Bank of Japan, Mizuho Bank, Sumitomo Mitsui Banking Corporation, Mitsubishi Tokyo UFJ Bank)
Allottees	UDS Corporate Mezzanine Fund <sup>*2</sup> (Funding by Development Bank of Japan, Sumitomo Mitsui Banking Corporation)

#### • Timeline

- Extraordinary General Meeting of Shareholders: 24 March 2017
- Issuance of Class A Shares: 31 March 2017

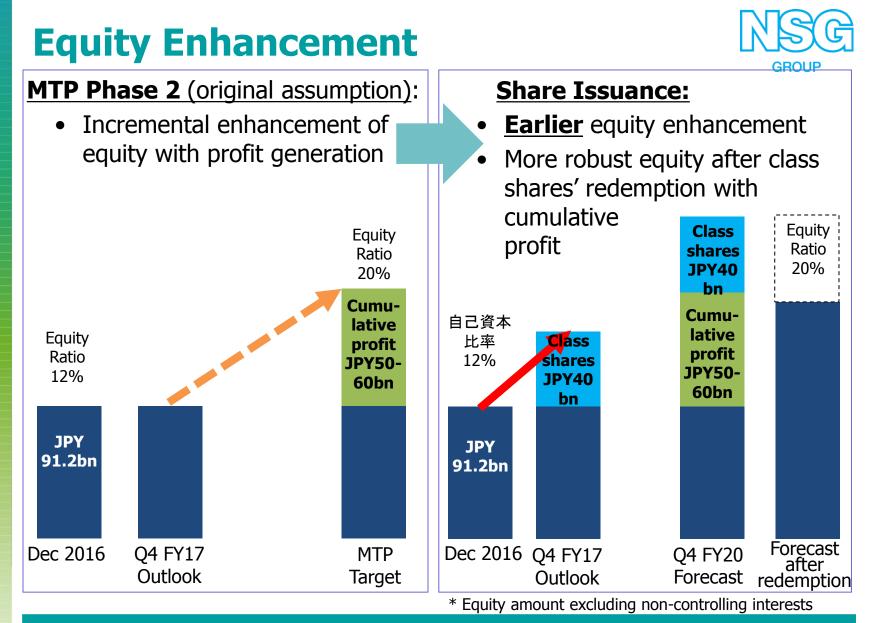
\*1: Japan Industrial Solutions No.2 Limited Partnership

\*2: UDS III Corporate Mezzanine Limited Partnership UDS IV Corporate Mezzanine Limited Partnership

#### **Balance sheet to begin improving at the end of FY17**

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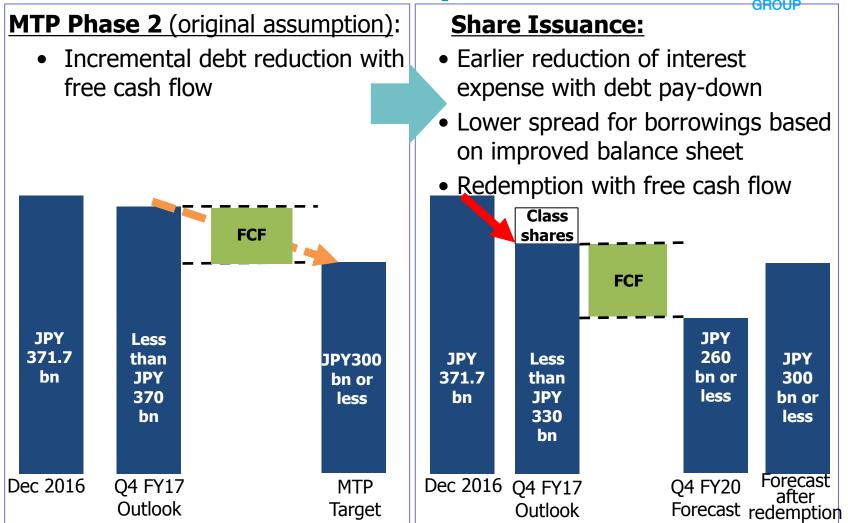
\* More detail on slide 18



**Earlier equity enhancement to manage business risks** 

## **Net Debt & Interest Expense**





Earlier reduction in debt and interest expense. Expected borrowing spread improvement

# **Redemption – Delivery of Phase 2**

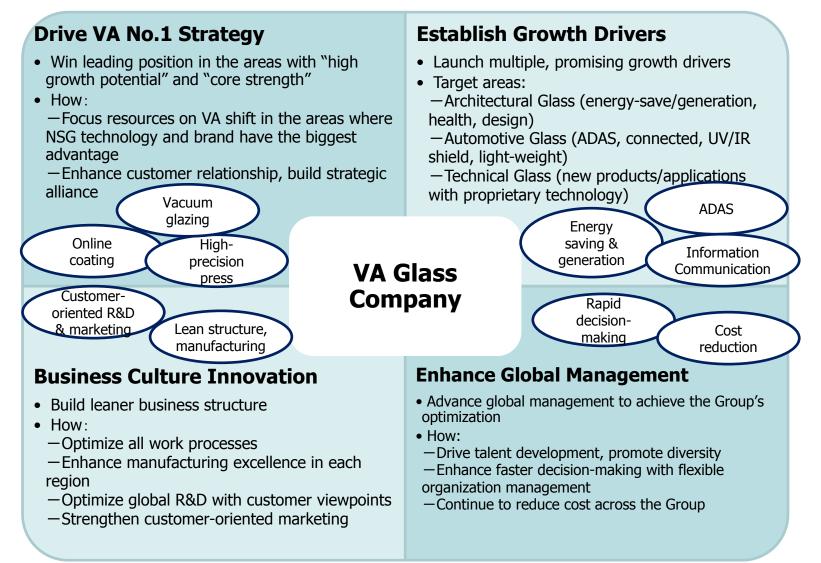


- Objectives
  - Achieve financial sustainability
  - Start transformation into VA Glass Company
- Financial Target (FY20)
  - ROS: 8%\*
  - Net debt / EBITDA: 3x
- Key Measures of MTP Phase 2 (FY18 FY20)
  - Drive VA No.1 Strategy
  - Establish Growth Drivers
  - Business Culture Innovation
  - Enhance Management Approach \*Profit before depreciation of non-tangible assets

No change in MTP Targets or Key Measures, aiming for cash redemption of Class A Shares with robust delivery of MTP

## **MTP Phase 2: Four Key Measures**





# **Topline Growth in MTP Phase 2**



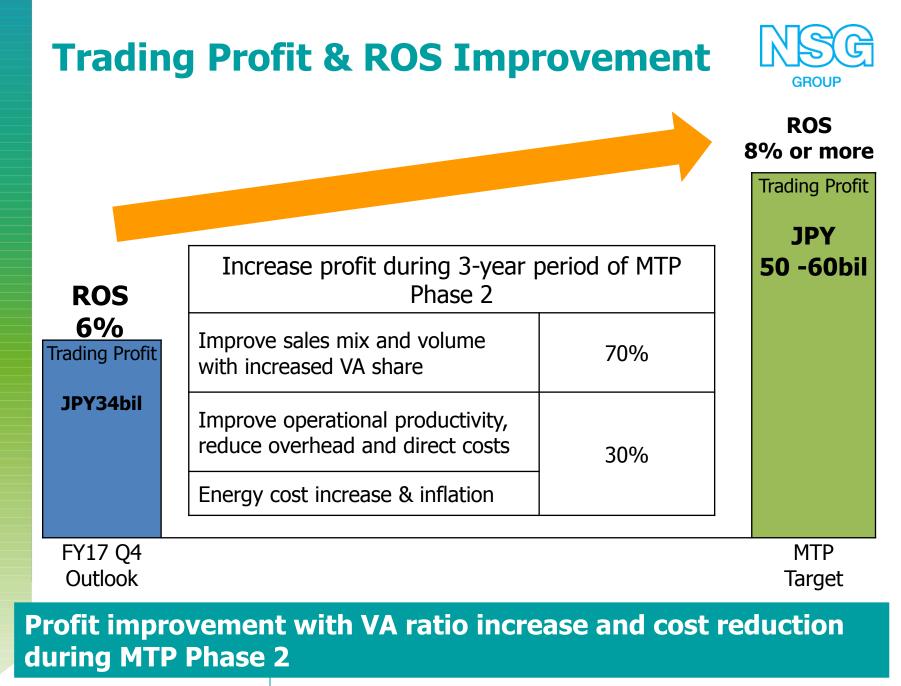
# **Topline Growth**

•Annual revenue growth with increased VA sales  $\rightarrow$  3% •Annual organic growth  $\rightarrow$  1%

# **VA Ratio**

 $40+\% \rightarrow 50\%$  or more

- VA growth potential in Europe/Japan
- Energy-saving applications & highfunctionality for automotive glass
- coated glass expansion

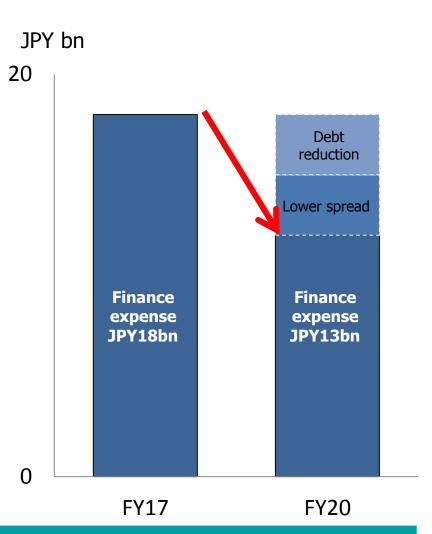


### **Finance Expense Reduction**



 Part of issuance proceeds to be used to pay down debt for early reduction of interest expense

- Balance sheet enhancement expected to improve borrowing terms
  - Lower spread
  - Longer borrowing term (higher stability)
  - Partial earlier refinancing in FY17 of FY18 or onward portions
- Reduction of annual interest expense by JPY5 billion by FY20, partly based on debt reduction



#### **Redouble finance expense reduction efforts**

# **Investing in VA**



- Continue to maintain capital spending < depreciation cost
- Selectively invest in the following:

#### Architectural Glass

- To cope with growth of online-coated products (low-E glass, solar glass, TCO coated glass)
- Processing equipment for energy-saving products (SPACIA® etc.)
- VA improvements of furnace (low iron glass etc.)

#### Automotive Glass

- ADAS-related technology and production facility
- Environmental conscious products (light-weight glass etc)

Technical Glass

• New products based on core technologies

#### JPY20 billion of proceeds to be used for VA-related investment





## **Summary**



- To issue JPY40 billion Class A Shares, subject to resolution at the extraordinary shareholders' meeting
- To aim for earlier financial stability and profit improvement with expedited debt reduction and equity enhancement
- To secure fund for VA related investment at the same time.
- To redeem Class A Shares with cash to be generated by executing the key measures under MTP Phase 2



# Appendix

# **Class A Shares Detail**



Amount		JPY40 billion (40,000 shares)					
(No of Shares)							
Planned Allottees		Japan Industrial Solutions Fund II			JPY20 billion (20,000 shares)		
(Amount &		UDS III Corporate Mezzanine Limited Partnership			JPY10 billion (9,000 shares)		
No of shares)		UDS IV Corporate Mezzanine Limited Partnership JPY10 billion (11,000 shares)					
Voting Rights		None					
Preferred dividend rate (Cumulative)		31 March 2017 ~ 31 March 2018	4.5%				
		1 April 2018 ~ 31 March 2020	5.5%				
		1 April 2020 ~	6.5%				
Call option (Comp- any's option)	Consi- deration	Cash		Consi- deration	Ordinary Shares		
	Redemp -tion	1 April 2018 or later		Redemp- tion	1 July 2020 or later, unless conversion restriction removal reason exists		
	Redemp- tion Amount per share	Paying-in amount per share + cumulative accrued dividend amount + daily prorated accrued preferred dividend amount + redemption premium> <redemption premium=""> 1 April 2018 ~ 30 June 2018 : 1.08 1 July 2018 ~ 30 June 2019 : 1.15 1 July 2019 ~ 30 June 2020 : 1.22 1 July 2020 ~ 30 June 2021 : 1.29 1 July 2021 ~ 30 June 2022 : 1.36 1 July 2022 ~ : 1.43</redemption>	Put option (Planned Allottees' option)	No. of Ordinary Shares to be Issued per Class A Share	(Paying-in amount per share X ordinary share redemption premium) + acquisition price <ordinary premium="" redemption="" share=""> 1 April 2017 ~ 30 June 2017 : 1.05 1 July 2017 ~ 30 June 2018 : 1.08 1 July 2018 ~ 30 June 2019 : 1.15 1 July 2019 ~ 30 June 2020 : 1.22 1 July 2020 ~ 30 June 2021 : 1.29 1 July 2021 ~ 30 June 2022 : 1.36 1 July 2022 ~ : 1.43</ordinary>		
Design		<ul> <li>In principle, the Planned Allottees may not exercise their put option before 1 July 2020.</li> <li>The Planned Allottees may exercise their put option for 4,000 or less Class A Shares, when the Company notifies</li> </ul>					
		the exercise of its call option for the entire outstanding Class A Shares.					

### **Reference: VA related investment**

#### **Online Coated Products**

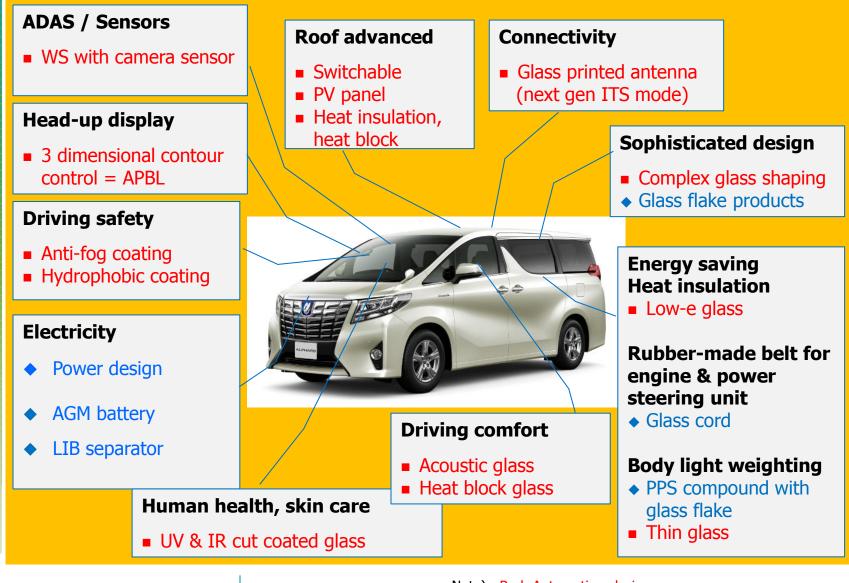


Market	Application	Function / usage	Our product
Architectural	Eco glass IGU	Low-E coat	Energy Advantage™
Architectural	Windows, showcase	Anti-reflection view	OptiView™
Architectural	Windows	Reflective coat	Reflite™
Solar	PV panel	Conductive & anti-reflection	NSG TEC™
White goods	Refrigerator	Conductive layer	NSG TEC™
Digital signage	Touch panel	Conductive layer	NSG TEC™
Interior	Cover on display	Half mirror	MirroView™
Switchable	Electro chromic	Conductive layer	NSG TEC™
Automotive	Car glazing	Low-E / energy saving	(now in R&D)
Automotive	Car glazing	All-surface heating	(now in R&D)

#### **Expanding to non-architectural market applications**

#### **Reference: VA related investment ADAS-related & Environment Conscious Products**





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Note) Red: Automotive glazing Blue: Non-window products

### Notice



The projections contained in this document are based on information currently available to us and certain assumptions that we consider to be reasonable. Hence the actual results may differ. The major factors that may affect the results are the economic environment in major markets (such as Europe, Japan, the U.S. and Asia), product supply/demand shifts, and currency exchange fluctuations.

Nippon Sheet Glass Co., Ltd.



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