# THE MID-TERM BUSINESS STRATEGY (2017-2021)



This document contains forward-looking statements concerning the results of operations and businesses of Showa Shell Sekiyu K.K.. Forward-looking statements are statements of future expectations that are based on management's current expectations and assumptions and involve known and unknown risks and uncertainties that could cause actual results, performance or events to differ materially from those expressed or implied in these statements.

# A new integrated company

A leading company with outstanding competitiveness Building a new model of an energy company starting from Japan

昭和ジェル后油









**Current Mid-term Business Action Plan** 

# Achievements in Our Current Mid-Term Action Plan(2013-2017)

# Oil Business: To increase our profitability

- Retain domestic sales volume
- Increase oil product margins through added value
- Reduce costs through supply chain improvements
- Form partnership with other companies
- Expand petrochemical business

- **Executed the planned actions Improved our profitability** 
  - and efficiency



# Solar Business: To be a global leader

- Realize business success in Japan
- Create a high-value added business model
- Develop technologies for future growth

- Changed our strategy due to the rapid change in the business environment
- Aim to realize positive turnaround through focusing on sales in the domestic market



Power Business: To expand capacity and types of electricity generation

- Expand business scale to 1GW class
- Increase sources of electric power generation

- Expanded both the electricity generation capacity and the sales of our electricity
- Gained stable profit

# **Projection of Our Business Environment in 2030**

# 1. Political, socio-economic structural change

- Aging and shrinking population in Japan
- Growth and urbanization in emerging Asian economies
- Change of oil downstream business environment in Asia and Middle East





# 2. Discontinuous changes by technological innovation

- ICT and AI revolution
- Evolution of alternative vehicles such as EV
- Dramatic drop of battery prices

# 3. Increasing social demands for measures against environmental problems

- Rising expectation toward corporate actions along with international agreement on climate change
- Dramatically declining renewable costs and decentralization of power generation
- ➤ Introduction of stricter environmental regulation in Asian and Middle Eastern countries



# Realizing our management philosophy

# "With our energy, we energize the future"

Strengthening competitiveness of domestic core business

**Back Casting mind** 

Brighter Energy Alliance

- Competitive human resources

- Organization culture with D&I\* permeated

Business development in the AP/ME\*\* region

Exploration and promotion of new business models

# **HSSE/Compliance**

in 2021

Consolidated ordinary income\*(CCS\*\*)

**100Bil¥** 

-Oil Business(CCS)

80Bil¥

-Energy Solution Business

20Bil¥

# **Base Assumptions**

**Dubai Crude Oil Price** 

-2018-20: \$55/bbl

-2021 : \$60/bbl

**Exchange Rate** 

-2018 : ¥110/\$

-2019-21: ¥115/\$

<sup>\*</sup>Consolidated ordinary income includes the synergy of the alliance with Idemitsu Kosan.

<sup>\*\*</sup>CCS: Current Cost of Supply



# **Strengthening competitiveness of domestic core business**

- Strengthen supply competitiveness by the Alliance and chemical shift.
- Create the new competitive "next generation" SS models.
- Expand line-up of value-added products and expand domestic market share in lubricants and bitumen business.



# **Exploration and promotion of new business models**

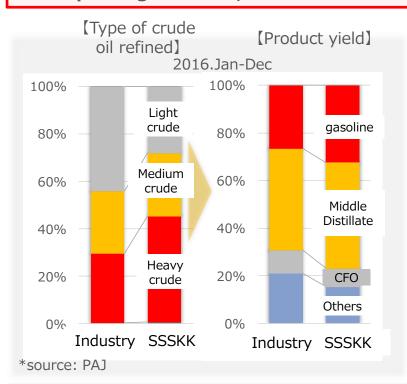
■ Promote research and development for future businesses to realize sustainable society.



# **Business development in the AP/ME region**

■ Embark on businesses in foreign countries by utilizing our strength and cooperating with our strategic partners.

- Our group refineries have already been competitive with the high 2nd unit ratio and the operation capability to maximize utilization of those units.
- In order to survive in the Asian market, we enhance our refineries competitiveness through investment to various items, such as expansion of exporting facilities, construction of chemical producing units, among others.



### Assessment for energy efficiency of group refineries

SSSKK	Industry
7.9	8.4

←Energy consumption rate of yr2016(unit: klcoe/kkl), which shows our group refineries are more efficient than the industry average.

[Major activities to enhance the refineries competitiveness]

# **Expansion of export facility**

Mainly at Yokkaichi refinery

### **Chemical Shift**

Investment for MX/PX production increase

# **Energy efficiency**

Mainly at Toa and Yokkaichi

# Improvement of efficiency with ICT use

On-line check programs for facilities, etc.

We strengthen competitiveness of our supply chain, such as refining, supply and distribution through proceeding the be: Alliance with Idemitsu Kosan.



**Optimization of** crude purchase and transportation

depots



**Efficiency** improvement in logistics network





**Optimization of** production planning

- We generate synergies through joint operations with other industries and create new services provided at SS.
- We build Big Data of SS customers aiming to create the "next generation" SS model.

### [Creation of new services]

Complex SS model cooperating with other industries



- Improving customers' convenience
- **Expansion in the number of customers**

[Roadmap of the "next generation" SS model]

yr2018

yr2020

yr2022

One to One Marketing

**Direct Marketing** 

### **Data Consulting**

Data Collaboration with other industries
Service for next

generation mobility

More customer focus with digital marketing

**Building Big Data and more sophisticated use** 

Improvement of customer contact in quality and frequency Capturing the changing needs of society and customers, we expand our share in the Japanese market by improving line-up of value-added products and quality of service which enhance environmental friendliness more.







### Lubricants Business

# Improve line-up of value-added products and explore new services

**Products** 

✓ To contribute to stable utilization, long-life use, energy saving

Service

- ✓ To utilize IoT
- √ To enhance eco-friendliness

Sales

- ✓ To enhance relationship with manufacturers
- ✓ To improve competency of salespeople for more valueadded products sales

# Be a market leader of valueadded bitumen in Japan

**Products** 

To promote development of modified products and recycling of our products

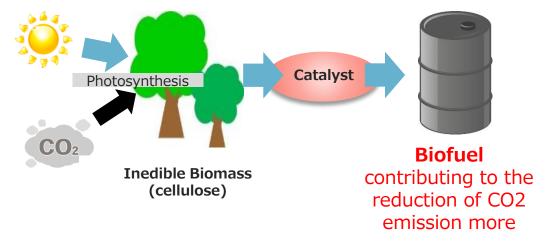
Sales

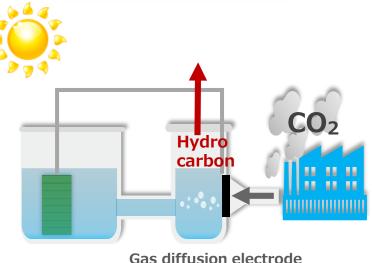
- ✓ To research and create standards in collaboration with industry, government, and academia
- ✓ To lead standardization of long life and eco-friendly bitumen products in the industry

We promote research and development for future business with consideration of solution for various social or environmental problems and changing business environment.



- ✓ Succeeded in producing "hexane" which can be used as gasoline base material
- ✓ Planning to produce bio jet fuel with this biofuel





We embark on businesses in foreign countries, especially in AP and ME regions, not only by utilizing our competitiveness in each supply chain but also by collaboration with strategic partners like Idemitsu Kosan and Saudi Aramco.

- ✓ Participation in refinery operation
- ✓ Investment into refineries and petrochemical plants

# Refining



- ✓ Joint operation in trading
- ✓ Operation of fuel oil terminals

**Supply/Distribution** 



- Investment into SS business
- ✓ Sales of high valueadded bitumen

# Sales



Showa Shell Sekiyu K.K.



# **Strengthening competitiveness of domestic core business**

- Power: Diversify power resources and invest in new power plants
- Power: Expand the power retail marketing area in Japan
- Solar: Achieve positive profit by cost reduction and focusing on sales in the residential market.



## **Exploration and promotion of new business models**

Solar: Launch a new ultra-light-weight panel

**ES:** Explore new business models to generate profit in the decentralized energy society



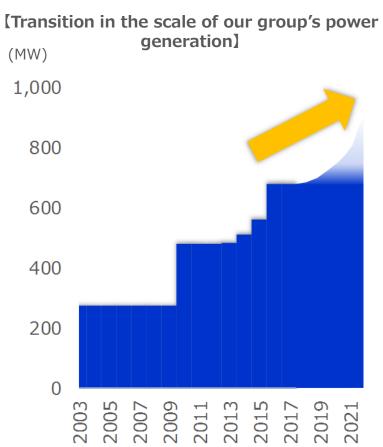
# **Business development in the AP/ME region**

ES: Enter into power business in foreign countries

We pursue expansion of power generation which is cost competitive and meets social demand, by utilizing our experiences and knowledge of various types of power generation.

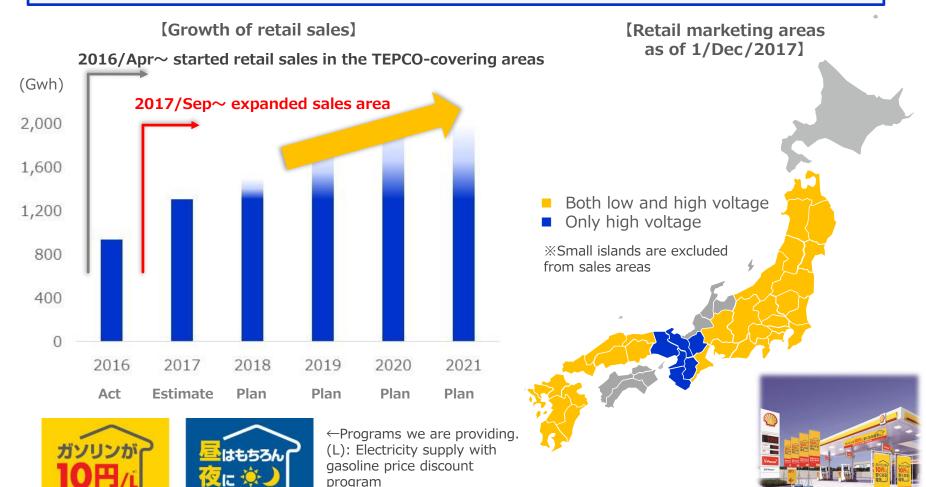
[Various types of power generation in our group]





Showa Shell Sekiyu K.K.

We've already expanded the power retail marketing areas in Japan. We continue to increase our customers by utilizing the network including DLRs network we've established in the oil business.



(R): Electricity supply program with an advantage at night as

well as in the daytime

### Solar – To Realize Positive Results

- We decided to split Solar Frontier into two companies. This enables Solar Frontier to focus on production and domestic sales of CIS modules and promote differentiation strategy.
- Solar Frontier continues to reduce production cost and expenses, revise organization, and increase sales in residential market in order to achieve positive financial result.

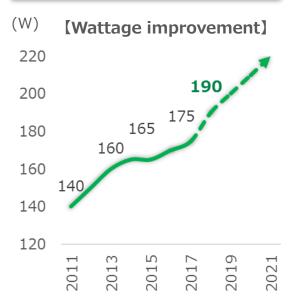
### **Business selection and focus**

- Focus on module production and promote differentiation strategy
- Focus on sales in the domestic residential market

# [Share in the domestic residential market] 15% 10% 5007 5007 10% 5007 10%

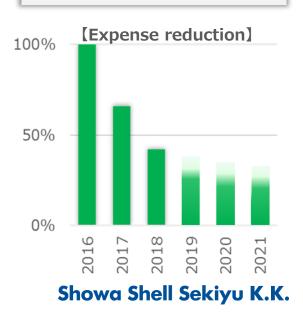
### **COGS** reduction

- Strengthen the multifunctionality of Kunitomi Plant
- Improve panel output : reduction of unit cost per wattage
- Reduce the cost of raw materials



### **Expense reduction**

- Consolidate production into Kunitomi Plant
- Reduce SGA

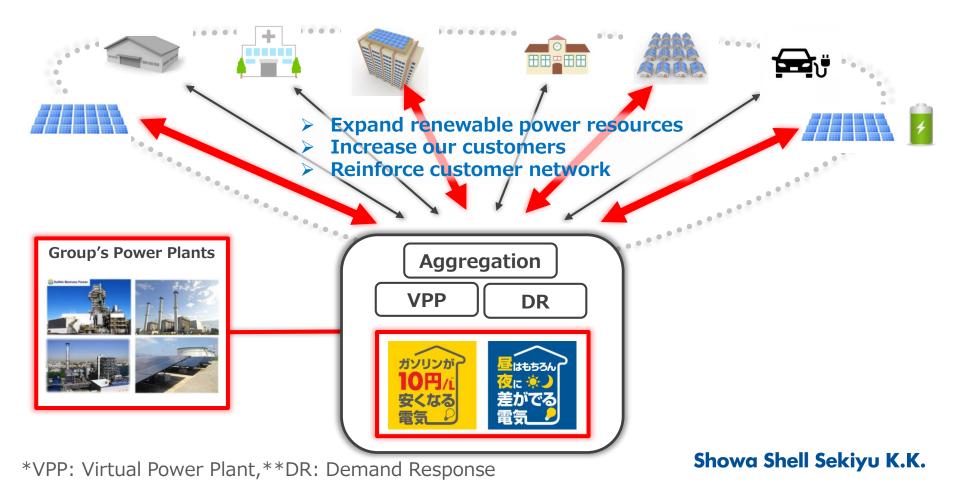


We generate steady profit with our new product, ultra-light-weight panel. This product will be the Game Changer, exploring new demand which conventional panels hasn't been able to meet, such as rooftops of warehouses with feasibility for weight. We plan to launch it in 2019.

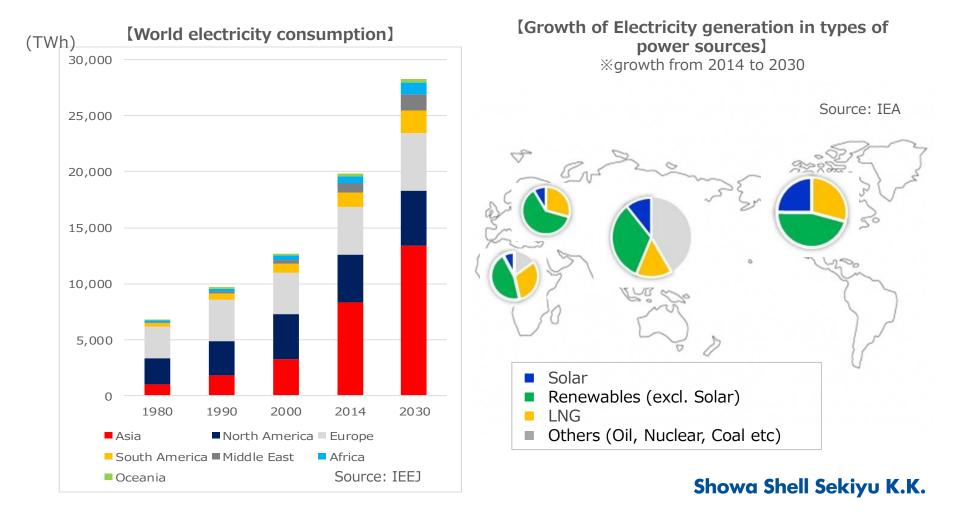


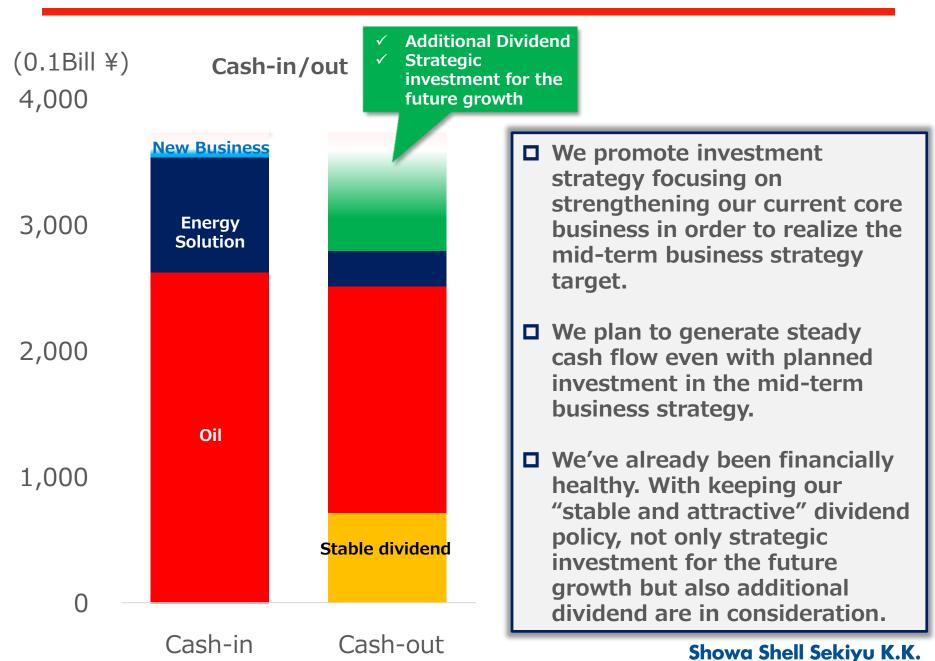
Showa Shell Sekiyu K.K.

Assuming the possibility of change in domestic business environment, such as more IoT use, decentralized energy increase, and battery improvement, we aim to generate profit through exploring new business models with our experiences and knowledge of solar and power business and by developing systems, such as VPP\* or DR\*\*.



With our experiences and knowledge of power business in Japan and solar business overseas, we enter into power business market in overseas, especially in the AP/ME region, where the demand growth is expected.





■ We strengthen our organization capability and HR competitiveness through permeation of Diversity and Inclusiveness (D&I) in order to provoke innovation and realize the mid-term business strategy.

# Realize SSSKK management philosophy

# Provoke innovation and establish competitive edge

- ✓ Diversified recruitment
- ✓ Utilization of HR between group companies
- Restructuring and reinforcement of employees education system

Diversity & Inclusiveness

- More utilization of senior employees' knowledge and talent
- ✓ Increase women managers' ratio
- ✓ Improvement of working system to promote work-style reforms

# Human resource exchange through the be: Alliance



# **For Low Carbon Society**

### More renewables for power generation









# **Exploration for new way of use and creation of new value of solar panels**





Biofuel, artificial photosynthesis, etc.



# For D&I and Women's Participation





# **For Highly Effective Governance**













# Showa Shell Sekiyu K.K.

Showa Shell Sekiyu is a Shell licensee and uses Shell trade marks under licence. The views expressed in this release or statement are made by Showa Shell Sekiyu, and are not made on behalf of, nor do they necessarily reflect the views of, any company of the Shell Group of Companies.