

# Pursuit of Sustainable Growth



# Pursuit of Sustainable Growth

- 1)Mid-Term Business Plan until 2015(2011-2015) Review and Progress on Action to "Solidify Our Footing"
- 2)To fulfill our Vision
- 3)Mid-Term Business Plan for Implementation Until 2020(2016-2020)



# 1. <u>Mid-Term Business Plan until 2015</u> <u>Review and Progress on Action to "Solidify Our Footing"</u>

- 1) Overview of Mid-Term Business Plan until 2015
- 2) Business Targets vs. Actual Results
- 3) Review Key Management Tasks
- 4) Effort to Solidify our Footing

## 1) Overview of our Mid-Term Business Plan Until 2015



#### Business Targets (FY2016)

|  | Target  |
|--|---------|
| Revenue (billion JPY)                      | 1,300   |
| Gross profit margin ratio(%)               | 5.0     |
| <b>Production Ratio</b> [Japan : Overseas] | 40 : 60 |
| Sales Ratio [Toyota : N C B <sup>*</sup> ] | 90 : 10 |
|  |         |

\*NCB : New Customer Business

# Key Management Tasks

- 1) Pursuit of leading-edge technologies toward creating new business
- 2) Acceleration of global business expansion centered on emerging markets
- 3) Expansion of our business with all car manufacturers through operational and organizational reform
- 4) Thorough implementation of lean, optimal and high value-added business in Japan



#### 2)Business Targets vs. Actual Results (FY2016)

|  | FY2011  | FY2016  |         |
|--|---------|---------|---------|
|  | Actual  | Target  | Actual  |
| Revenue (billion JPY)                      | 983.7   | 1,300.0 | 1,415.7 |
| Operating profit margin ratio(%)           | 3.7     | 5.0     | 4.2     |
| <b>Production Ratio</b> [Japan : Overseas] | 51 : 49 | 40 : 60 | 44 : 56 |
| Sales Ratio [Toyota : NCB]                 | 97 : 3  | 90 : 10 | 93 : 7  |

We achieved Sales target due to the partly impact of favorable factors such as exchange rate

However, Operating Profit margin ratio, Production Ratio and Sales Ratio were not achieved



# 3) Review Key Management Tasks

#### (1)Achievements

- 1) Pursuit of leading-edge technologies toward creating new business
  - Commercialized motor core constituent parts for hybrid systems, by pursuing precision process technology
- Commercialized components for fuel cell vehicle (in Toyota "MIRAI")
- 2) Acceleration of global business expansion centered on emerging countries
  - Established new plants in China (Shenyang, Heyuan (Guangdong Province)), Thailand, Laos and Turkey
  - Established MRD\*1 Center in Thailand, and R&D Center in China
- 3) Expansion of our business with all car manufacturers through and operational and organizational reform
  - GNCB\*<sup>2</sup> Group and ACT\*<sup>3</sup> Promotion Division were established
- 4) Thorough implementation of lean, optimal and high value-added business in Japan.
- Consolidated location in Kariya Plant to start production of FC separators
- Developed and globally deployed core technologies (FHS\*4 method, melt blow method)
  - \*1 MRD : Management Research & Development \*2 GNCB : Global New Customer Business
- \*3 ACT : Aircraft & Train \*4 FHS : Fine Hold Stamping

- 3) Review Key Management Tasks
- (2) Issues and Countermeasures
  - **Rapid Business Expansions caused inadequate**

Preparation / Capability for Operations

Issues occurred even in Existing Business

(e.g. disruptions during new product launch)

**Decline in Profit** 

Issues

Countermeasures

**Declaration to Structure Strengthening: August 2014** 

**①**Revised Unprofitable Business -> FY2016 reorganized business in Europe

**(2)** Improve Profit performance in Europe and USA etc.

Completion with Prospect

**③Continuously strengthen our Basic Manufacturing Capabilities** (R&D / Production Engineering and Production capabilities)

Further Solidify our Footing Checked and reviewed whole operation system so far, and identified issues - Over 1,000 issues found in R&D capabilities

as well as production engineering & production capabilities

Clarified roles and responsibilities for Executive Officers / Managers / Staffs



# 4)To Solidify our Footing(1) Strengthen our R&D Capabilities

Progress on global implementation from FY2018

#### **Major Actions**

#### **Improve the Development Process**

**Establish new Device Development Processes** 

**Review Gate meeting and KPIs** 

**Review cost planning process** 

#### **Enhance Drawing Completeness**

| Standardize Parts | Standardize Design Process |
|-------------------|----------------------------|
|-------------------|----------------------------|

Enhance CAE Technology Capability

Enhance finished goods quality

#### **Strengthen Resource Management**

Clarify roles and responsibilities with overseas R&D

Visualize and systemize burden from R&D activities

#### **Results / Expected Results on FY2017**

- •Stay up to date with fluctuating sales prices and costs from cost planning stage (with constant awareness on profit)
- Improve Project Management skill
- Develop products in optimal time by Standardization
- Standardize finished goods quality Effort for zero-wrinkles sewing during mass production of Seat products
- •Make a plan and optimally allocate resources to minimize burdens by foreseeing R&D loads

# 4)To Solidify our Footing

(2) Strengthen our Production Engineering / Production Capabilities

Scheduled to complete all action items in this fiscal year; start global implementation from FY2018





1) Vision

2) Future Prospect

3) Our desired status

# 1) Vision

# The Company We Aim to Become

Looking into the future, we will create tomorrow's automobile interior space that will inspire our customers the world over

Design your passion with TOYOTA BOSHOKU

#### (1) Our desired status in Business

A company that persists in proposing excellent mobility for customer throughout the world

(2) Our desired status in Society

A trusted company that grows together with all stakeholders



# 2) Future Prospect

(1) Changes in Society and urban transportation

Changes in the social environment has caused significant changes





# 2) Future Prospect

(2) Advancements in Mobility Interior

Advancements in automated driving have enhanced the level of freedom in mobility space, together with the fact that customers' requirement on interior functions also change



Free seat adjustment depending on scene

**Constant communication environment** 



Entertainment with VR image



**Display HMI with space projection** 



# Multi-function components using in vehicle interior or other purposes



Produce anything using projection mapping







# 2) Future Prospects

(3) Aim to offer products which create more customer value"

Pursue "Comfort" in mobility space together

with basic value of "Safety" and "Environment"

# Comfort

# Realize time and space that appeals to the 5 senses

- Automatic position adjustment
- · Sensory temperature control
- Maintaining awakened / relaxed states

# Safety

Reduce occurrences rate of serious accidents and injury/damages involved

- · Identify and acknowledge risks in advance
- Evolving risk control technologies
- Automated driving

# Environment

Maximize energy efficiency, reduce greenhouse gas

- More efficient and diverse power sources
- · Less weight, less resistance
- Energy management



# 2) Future Prospect

(4) Evolution in Manufacturing

#### Supply chain collaboration for information

sharing to increase responsiveness to the market



# 2) Future Prospect

(5) Aim to Offer Value from Manufacturing site"

Pursue manufacturing based on trust, sense of safety,

and customer's affection





### 3) Our desired status

(1) Vision (Our desired status in business)

A company that persists proposing excellent mobility for customers

throughout the world



# 3) Our desired status

(2) Vision (Our desired status in Society)

A trusted company that grows together with all stakeholders

**①** Our goal to enhance the company growth while cultivating corporate citizenship

**2**Pursue sustainable growth and enhance our corporate value on a mid-to-long term basis

#### **③** Distribute profit and meet the expectations of our stakeholders



Corporate growth while fulfilling our social responsibilities

Implement corporate philosophy



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Principles of Tovoda



Sustainable growth -> Enhance corporate value

Mid-Term Management Execution Plan Until 2020

**Strengthen our Competitiveness** 

Strengthen our Management Foundation



**Distribute achievement** 

Contribute to Supplier satisfaction and respect local societies Customer satisfaction Trust and expectation of shareholders

Motivation and satisfaction of our employees

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# 3. <u>Mid-Term Business Plan for Implementation</u> <u>Until 2020</u>

1) Corporate Growth while cultivating corporate citizenship 2) Sustainable Growth (1) Strengthen Competitive Advantage (2) Strengthen Management Foundation 3) Enhance our Corporate Value on a Mid to Long Term Basis

# 3. <u>Mid-Term Business Plan for Implementation</u> <u>Until 2020</u>

1) Corporate Growth while cultivating corporate citizenship 2) Sustainable Growth (1) Strengthen Competitive Advantage (2) Strengthen Management Foundation 3) Enhance our Corporate Value on a Mid to Long Term Basis

#### 3. Mid-Term Business Plan for Implementation Until 2020

#### 1) Corporate Growth while Cultivating corporate citizenship

#### < Basic Approach >

Promote activities on CSR and the Environment to enhance corporate growth while cultivating corporate citizenship

Create a structure to manage our entire corporate value



#### 1) Corporate Growth while cultivating corporate citizenship





#### 3. Mid-Term Business Plan for Implementation Until 2020

#### 1) Corporate Growth while cultivating corporate citizenship



Environment Mapping out 2050 Environmental Vision (May, 2016)

We will work together with all stakeholders with the aim of creating a sustainable global environment where children can lead their lives with smile.

| Topics  | 2050 Environmental Vision<br>(6 Stretch Environmental Goals)                 | 2020 Environmental Action Plan  |  |
|---|--|---|--|
|   | 1. Zero CO2 emissions  | Develop innovative production technology with<br>low CO2 emissions<br>Utilize next generation energies    |  |
| Climate Change  | 2. Zero CO2 emissions in the<br>product life cycle                           | Develop products to support high fuel efficiency<br>Develop components for next generation<br>automobiles |  |
| Water Shortage  | 3. Recycle water to achieve<br>zero waste water in the<br>production process | Reduce the amount of water used and discharged  |  |
| Depletion of<br>Natural Resources   | 4. Minimize the use of natural resources                                     | Utilize plant-derived raw materials   |  |
|   | 5. Minimize waste  | Reduce packaging, effective use of resources  |  |
| Biodiversity Risks  | 6. Forestation, Plant 1.32 million trees                                     | Contribute to environment and society through forestation and forest conservation                         |  |
| Environmental Promote global environmental management and collaborative activity with suppliers |  |   |  |



# 3. <u>Mid-Term Business Plan for Implementation</u> <u>Until 2020</u>

1) Corporate Growth while cultivating corporate citizenship 2) Sustainable Growth (1) Strengthen Competitive Advantage (2) Strengthen Management Foundation 3) Enhance our Corporate Value on a Mid to Long Term Basis

### 2) Sustainable Growth

< Basic Approach >

Focus on Strengthening Competitive advantage and Strengthening Management Foundation to pursue Sustainable Growth

#### (1) Strengthen Competitive Advantage

**①Develop New Technologies and New Products towards 2030** 

**2** Manufacturing Innovation towards 2030 (TB Industry 4.0)

**③Further Enhance our Fundamental Capabilities on Manufacturing** 

#### (2) Strengthen our Management Foundation

**①**Strengthen our Profit Structure

**②Set-up of strong and resilient business structure** 

**③Create a Global Management Foundation** 



# 2) Sustainable Growth(1)Strengthen Competitive Advantage

- Develop New Technologies and New Products towards 2030
   Manufacturing Innovation towards 2030
   Further Enhance our Fundamental Capabilities
  - on Manufacturing

# (2) Strengthen our Management Foundation

- **1** Strengthen our Profit Structure
- **2** Set-up of strong and resilient business structure
- **③** Create a Global Management Foundation

#### (1) Strengthen Competitive Advantage

**(1)** Develop New Technologies and New Products towards 2030

#### Create capabilities to achieve offering value

- A [Comfort] Offer, before others, time and space where people can feel comfortable
- B [Safety] Offer safe and secure mobility space that is ahead of the times

C [Environment] Offer mobility space that is environment friendly

#### Major Action Items (Examples)

- Relax control system: Technological development to lead users to relaxed states
- Personal temperature control system:
- Offer air conditioning tailored to each user, develop thermal technologies
  System to promote lively lifestyle: Develop system to support a lively lifestyle for all generations



#### (1) Strengthen Competitive Advantage

**(1)** Develop New Technologies and New Products towards 2030

#### Create capabilities to achieve offering value

- A [Comfort] Offer time and space where people can feel comfortable, ahead of our competitors
- **B** [Safety] Offer safe and secure mobility space that is ahead of the times
  - [Environment] Offer mobility space that is environment friendly

#### Major Action Items (Examples)

Danger Alert System: Develop technology to warn people about danger in case of emergency



#### (1) Strengthen Competitive Advantage

#### **①Develop New Technologies and New Products towards 2030**

#### Create capabilities to achieve offering value

- A [Comfort] Offer time and space where people can feel comfortable, ahead of our competitors
- B [Safety] Offer safe and secure mobility space that is ahead of the times

#### **c** [Environment] Offer mobility space that is environment friendly

#### Major Action Items (Examples)

#### Develop next generation powertrain



# 2) Sustainable Growth(1)Strengthen Competitive Advantage

- Develop New Technologies and New Products towards 2030
   Manufacturing Innovation towards 2030
   Further Enhance our Fundamental Capabilities
  - on Manufacturing

# (2) Strengthen our Management Foundation

- **1** Strengthen our Profit Structure
- **2** Set-up of strong and resilient business structure
- **③** Create a Global Management Foundation

#### (1) Strengthen Competitive Advantage

**2** Manufacturing Innovation towards 2030 (TB Industry 4.0)

#### Create capabilities to achieve offering value

**D** [Affection] Offer what customers want and the joy to create

~2018



E [Trust] Sophisticated manufacturing to ensure that products be delivered

**F** [Peace of mind] Simple manufacturing that can foresee risks and offer safety

#### **Major Action Items (Examples)**

#### **D** Build optimal production simulation

| L   | Develop technology<br>to predict orders                           | Build simulation for  | Implement globally                  |  |  |  |
|---|---|---|-------------------------------------|--|--|--|
| Ι.  | Establish individual simulations                                  | entire business   |                                     |  |  |  |
|   | E Human-Robot cooperation in production line,                     |   |                                     |  |  |  |
| that integrate craftsmanship with automation          |   |   |                                     |  |  |  |
| L   | Build system to collect data Collect data on craftsmanship skills | Digitalize craftsmanship technologies, Man and robots to co-exist in line |                                     |  |  |  |
| F Build algorithm for failure diagnostic into machine |   |   |                                     |  |  |  |
|   | Build system to collect data Develop algorithm on failure pre-    | dictions and install in model line  | e Install maintenance-free machines |  |  |  |

~2020

2016

~2025

# 2) Sustainable Growth(1)Strengthen Competitive Advantage

- ① Develop New Technologies and New Products towards 2030
- **2** Manufacturing Innovation towards 2030
- 3 Further Enhance our Fundamental Capabilities on Manufacturing

# (2) Strengthen our Management Foundation

- **1** Strengthen our Profit Structure
- **2** Set-up of strong and resilient business structure
- **③** Create a Global Management Foundation





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Target to be achieved in 2020

**③Further enhance our fundamental capabilities on manufacturing** 

#### < Strengthen our Production Engineering/Production Capabilities >

Improve quality, productivity and cost through further advancements in production engineering

100% completion of development of new production engineering items

Complete development of (170) new production engineering items, and implement sequentially at each region

(Example: automation of sewing)

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Facilitate studies on automating 2D and 3D sewing




### 3. <u>Mid-Term Business Plan for Implementation</u> <u>Until 2020</u>

1) Corporate Growth while cultivating corporate citizenship 2) Sustainable Growth (1) Strengthen Competitive Advantage (2) Strengthen Management Foundation 3) Enhance our Corporate Value on a Mid to Long Term Basis

# 2) Sustainable Growth(1)Strengthen Competitive advantage

- ① Develop New Technologies and New Products towards 2030
- **2** Manufacturing Innovation towards 2030
- 3 Further Enhance our Fundamental Capabilities on Manufacturing

## (2) Strengthen our Management Foundation

- **1** Strengthen our Profit Structure
- **2** Set-up of strong and resilient business structure
- **③** Create a Global Management Foundation







# 2) Sustainable Growth(1)Strengthen Competitive Advantage

- ① Develop New Technologies and New Products towards 2030
- **2** Manufacturing Innovation towards 2030
- 3 Further Enhance our Fundamental Capabilities on Manufacturing

### (2) Strengthen our Management Foundation

- **1** Strengthen our Profit Structure
- **2** Set-up of strong and resilient business structure
- **③** Create a Global Management Foundation



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# 2) Sustainable Growth(1)Strengthen Competitive Advantage

- ① Develop New Technologies and New Products towards 2030
- **2** Manufacturing Innovation towards 2030
- (3) Further Enhance our Fundamental Capabilities on Manufacturing

### (2) Strengthen our Management Foundation

- **1** Strengthen our Profit Structure
- **2** Set-up of strong and resilient business structure
- **③** Create a Global Management Foundation



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3. <u>Mid-Term Business Plan for Implementation</u> <u>Until 2020</u>

1) Corporate Growth while cultivating corporate citizenship 2) Sustainable Growth (1) Strengthen Competitive Advantage (2) Strengthen Management Foundation 3) Enhance our Corporate Value on a Mid to Long Term Basis

#### 3. Mid-Term Business Plan for Implementation Until 2020

### < Our Basic Idea>

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3) Enhance our Corporate Value on a Mid to Long Term Basis

We will share with our stakeholders what we achieve by enhancing corporate value, and will meet long-term expectations of our stakeholders by reinvesting the value towards sustainable growth



### 3. Mid-Term Business Plan for Implementation Until 2020



| Mid-Term Business Management Plan for<br>Execution |   | Improve marginal profit |             | Optimize fixed |
|--|---|-------------------------|-------------|----------------|
|  |   | Add value               | Reduce cost | costs          |
|  | Develop new technologies /<br>products            | 0                       |             |                |
| Strengthen   | Manufacturing innovation                          |                         | Ø           | 0              |
| competitiveness                                    | Strengthen development<br>capabilities            | Ø                       |             | 0              |
|  | Strengthen production<br>engineering capabilities |                         | Ø           | 0              |
| Strengthen   | Strengthen our business model                     | Ø                       | 0           | 0              |
| management   | Establish business<br>foundation for GNCB         | 0                       |             | 0              |
| foundation   | Rebuild business structure in<br>Japan            |                         | 0           | 0              |



## Leading the way to Sustainable Growth



#### Disclaimer

This report contains forecasts and expectations that relate to future plans and strategies in addition to the expected financial results of the Toyota Boshoku Corporation and the Toyota Boshoku group.

Within are estimates based on assumptions and opinions that have been formed by the company from the information available at the time of writing. They involve risks and uncertainties.

Accordingly, actual results may differ from the company's forecasts.