WIDJANARKO

DIRECTOR PLC & TECHNICAL, TECHNICAL GOVERNMENT AFFAIRS PT TOYOTA MOTOR MANUFACTURING INDONESIA

Education

✓ 1994: Bachelor degree, Mechanical Engineering at Trisakti University.
✓ 2021: Master Degree, Industrial Engineering at Institut Teknologi Bandung.

Professional Experience

- ✓ **1995** Start working at Toyota Astra Motor, Purchasing Division.
- ✓ 1999-2000 Assignment in Japan at Toyota Motor Corporation(TMC) as Country Representative Officer for Purchasing Project Planning.
- ✓ 2010-2012 Assignment in Thailand at Toyota Motor Asia Pacific Engineering Manufacturing as Deputy General Manager of Purchasing Project Planning for Asia Pacific
- ✓ 2014-2016 Purchasing Div. Head at PT Toyota Motor Manufacturing Indonesia
- ✓ 2016-2019 Product Business Management Div. Head at PT Toyota Motor Manufacturing Indonesia
- ✓ 2019-2021 Assignment in Thailand at Toyota Daihatsu Engineering & Manufacturing (TDEM) as General Manager of Regional External and Public Affairs.
- ✓ 2021~2023 Deputy Chief Officer2023 present as Director for Technical & Production Logistic Control at PT Toyota Motor Manufacturing Indonesia (TMMIN).



PT. Toyota Motor Manufacturing Indonesia

Toyota Strategy through Green Product & Green Industry towards Indonesia Net Zero Emission 2060



٠	•	•	
•	•	٠	
•	•	•	
٠	٠	•	
•	•	•	
•	•	•	
	•		





GIAC August 15' 2023



AGENDA

01 Toyota Indonesia Overview

02 Global & National Environment Concern

- Global concern and ID Government's Policy
- Toyota Commitment on Carbon Neutrality

03 Toyota ID Initiative & Action

- Green Product [Challenge -1]
- Green Supply Chain [Challenge -2]
- Green Manufacturing [Challenge-3]





01

Toyota Indonesia Overview

TMMIN as Vehicle OEM influences total Automotive Industries with more than 130 companies and more than 100 thousand employees



TOYOTA GROUP is working to nurture the automobile industry and peripheral industries in Indonesia and contributes to securing employment of about 300,000 people.







Global & National Environment Concern

Global & National Environment Commitment

Global Commitment and ID Government's Policy of Carbon Neutrality

- Rising CN/NZE movement is influencing Governments and businesses everywhere to take climate action
- These drive Toyota to make effort & contribution for Carbon Neutrality [CN]



Toyota is contributing to achieving the goals and targets of Carbon Neutrality through **Toyota Environmental Challenge 2050**



Toyota Environmental Challenge in Lifecycle Action Key Action for Carbon Neutrality through value chain





CHALLENGE **New Vehicle** Zero CO₂ **Emissions Challenge**

Toyota ID Initiative & Action

03

Green Product [Challenge -1]

- Green Supply Chain [Challenge -2]
- Green Manufacturing [Challenge-3]

.



[Challenge 1] New Vehicle Zero CO2 Emissions Challenge

Toyota provide many option of vehicle technology, customer can choose that most suitable for them \rightarrow No one left behind to contribute CO2 emission reduction







TMC New Management Policy & Direction Announcement, April'23

Toyota ID Approach toward Carbon Neutrality





CHALLENGE 2 Life Cycle Zero CO₂ **Emissions Challenge**

Toyota ID Initiative & Action

- Green Product [Challenge -1]
- Green Supply Chain [Challenge -2]

03

Green Manufacturing [Challenge-3]



Toyota Environmental Challenges





13 ALLIN

[Challenge 2] Life Cycle Zero CO2 Emissions Challenge

Toyota Global Policy

Completely Eliminate All CO2 Emissions Throughout the Entire Vehicle Life Cycle

Logistics



Design





Suppliers





OEMs / Partner





Strategy to reduce CO2 emission :

Maximize energy efficiency Low CO2 technology Renewable energy

Toyota ID Action

Suppliers

1.Green Purchasing guideline 2. Promote CO2 reduction [Energy Efficiency & RE application]

Energy



Green Purchasing Guideline

- Acquire ISO 14001
- Eco Friendly Materials
- Reduce CO2 Emission



CO2 Reduction in supplier → CN Task Force \rightarrow CN Education, Kaizen Sharing

Logistic

- 1. Efficient route, max truck loading 2. Clean energy & special activities
 - [eco driving, biofuel, transport mode, etc]



Efficient route,



Optimizing Container Space

Parts Logistic

biofuel, Eco Drive



Dealer

Promote Eco Dealership



ECO Friendly Dealer [Energy efficiency, EMS]







Toyota ID Initiative & Action

- Green Product [Challenge -1]
- Green Supply Chain [Challenge -2]
- Green Manufacturing [Challenge-3]

03

Toyota Environmental Challenges

3

CO2

H

es Sustainable Devl Goals

1

[Challenge 3] Achieve Plant - Zero CO2 Emission

Toyota's Factories aim to achieve Carbon Neutrality earlier 2050 →2035



Toyota Environmental Challenges

Sustainable Devl Goals

NAME AND DESCRIPTION OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OWNE

[Challenge 3] Achieve Plant - Zero CO2 Emission

Strategy : Maximize CO2 reduction through energy efficiency & gradually switch to renewable energy



Solar PV roof RE-Certificate

KARAKURI SYSTEM [Unique activity] – Energy Efficiency



No Touch Handling Empty Box Benefit: Ergonomic, Productivity up

TMMIN Karakuri is Less energy movement Use mechanical equipment device to create movement without external energy (only using natural energy) -Gravity



Benefit :

- Low cost Low investment
- Eco-friendly
- Easy to make & maintain
- Easy to do improvement

Uniqueness:

• Simple: one touch & go



Member taking last part





Toyota proactive to response latest situation for sustainable business & society



People Development

Incorporating the Triple Helix concept into Toyota's people development can drive our innovation, strengthen competitiveness, and contribute to sustainable society to achieve carbon neutrality



HRD is our top priority - "Make people, before Make Product"

Together we contribute to the nation to build sustainable green mobility through innovation & breakthrough action

TOYOTA Producing Happiness for All

Thank you !



👩 @tmmin_id



