

Seminar on the Joint Credit Mechanism (JCM) Implementation in Indonesia Jakarta, Monday, 21 October 2019



Installation of Gas Engine Cogeneration System to Supply Electricity and Heat to the Vehicle Manufacturing Plant

PT. Toyota Motor Manufacturing Indonesia [TMMIN]



Outline

1. TMMIN Company Profile

2. National & Global Policy for CO2 Reduction

3. CO2 Reduction Activity

3.1. CO₂ Reduction Roadmap 3.2. Co-Gen Project

4. Closing

1. TMMIN COMPANY PROFILE

1.1. Introduction of Toyota Indonesia

Toyota Indonesia Overview

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



Location of TMMIN Production Plants

TMMIN currently has five plants in Sunter and Karawang that produce 5 vehicle models and 2 engine types from raw materials-component parts-fully assembled vehicle unit



Overview of TMMIN Production Plants

Toyota Indonesia has been operating for 48 years (established 1971) and its products already been exported to more than 80 countries

TMMIN Production Plants

Plant		Start operation	Production Items	Capacity per Year
	Sunter 1	1973	(1) TR Engine (2) Engine/Body Parts	(1) Engine 195,000 Units (2) 11,000 Containers
	Sunter 2	1977	(1) Press & Casting Parts (2) Dies & Jigs	(1) 96,000 Units & 12,000 Tons (2) 240 C-points
	Karawang 1	1998	(1) KIJANG INNOVA (2) FORTUNER	130,000 Vehicles
	Karawang 2	2013	(1) VIOS (2) YARIS (3) SIENTA	120,000 Vehicles
	Karawang 3	2016	R-NR Engine	216,000 Units 4

2. National & Global Policy Related with CO2 Reduction



Background

Toyota Indonesia Activity in Environment is based on Indonesian Government Policy & also Global Toyota Environmental Challenge 2050



Toyota Environmental Challenge 2050 & Toyota Indonesia KPI

Toyota has a global challenge for low carbon society by 2050 and based on this, Toyota Indonesia also set KPI by each challenges.





7 Source: Toyota Global HP, Toyota Indonesia Internal

[Energy Sector] Green Factory

Toyota keeps working to improve efficiency and implement innovative technology to further reduce CO2 in vehicle manufacturing.



3. TMMIN CO2 REDUCTION ACTIVITY

3.1. TMMIN CO2 Reduction Roadmap

Further CO2 reduction in manufacturing by improving efficiency & innovative technology



3.2 TMMIN Co-Generation Project [Joint Credit Mechanism]

Joint Crediting Mechanism is a proposal by Government of Japan-Indonesia to encourage Japanese private sector to invest on Low Carbon Development activities in Indonesia by giving incentive.



TMMIN Gas Engine Co-Generation System Image







TMMIN Co-Generation System



TMMIN Co-Generation [CO2 Reduction]



Total CO2 Reduction up to Sept 2019 already reduce 35,069 Ton CO2 [22 mths]

TMMIN Project Cycle



4. CLOSING

a. Future Action



b. Support JCM by share this activity to other company concerned to apply this improvement (Daihatsu, Denso, etc)

Thank you !

Eco Friendly Manufacturing & Product in Harmony with Nature for Customer's Smiles!

