## INDONESIA'S OIL REFINERY INFORMATION

In 2020, there are 9 refineries operated by Pertamina to supply domestic fuel market. The three biggest refineries are Cilacap (348 MBCD), Balikpapan (260 MBCD) and Dumai (170 MBCD). Currently, government accelerates refineries development especially from Refinery Development Master Plan (RDMP) and Grass Root Refinery (GRR) projects to reduce fuel import. RDMP project is the revitalization of existing refineries to improve the capacity and competitiveness of refineries in Indonesia, while GRR project is construction of a new refinery.

PT TWU

Capacity: 18 MBCD

**Existing refinery (Private)** 

**Existing refinery** (Pertamina)

Cilacap Capacity: **348 MBCD** 

Balikpapan Capacity: 260 MBCD

#### Dumai Capacity: 170 MBCD

**Balongan** Capacity:

125 MBC

#### Plaju Capacity: 118 MBCD

Tuban/TPPI Capacity: 100 MBCD

### Sungai **Pakning**

Capacity: 50 MBCD

#### Kasim

Capacity: 10 MBCD

#### #4 **GRR Bontang**

Capex: USD 11-15 Billion Ownership: JV Pertamina - OOG - Cosmo Energy Fuel Quality: Euro IV/V COD: 2026

## **GRR Tuban**

Capex: USD 14-16 Billion Ownership: JV Pertamina - Rosneft Fuel Quality: Euro V COD: 2026

Ownership: JV Pertamina

## #6

## **RDMP Dumai**

COD: 2026

**RDMP Balongan** 

Fuel Quality: Euro

Capex: USD 1.2 Billion

Ownership: Pertamina

Capex: USD 4-5 Billion Ownership: -Fuel Quality: Euro V COD: 2025

#### #7 **RDMP Balikpapan** (Phase 1)

Capex: USD 4 Billion Ownership: Pertamina Fuel Quality: Euro II COD: 2023

## Capacity:

6 MBCD '-



## Refinery development plan

## **RDMP Balikpapan** (Phase 2)

Capex: USD 1.9 Billion Ownership: Pertamina Fuel Quality: Euro V COD: 2026

## #5

#### **RDMP Cilacap** Capex: USD 5-6 Billion

- Saudi Aramco

COD: 2024

Fuel Quality: Euro V

# OIL REFINERIES INPUT

The average of crude oil entering the Indonesian refineries from

2007 - 2018 was less than

1 million BPD.

Thousand BPD

800

600

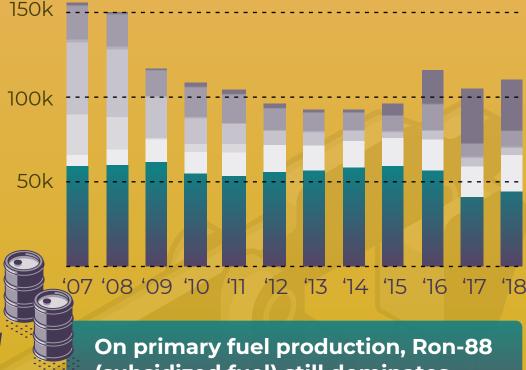
400

1,187 MBCD

OIL REFINERIES
OUTPUT

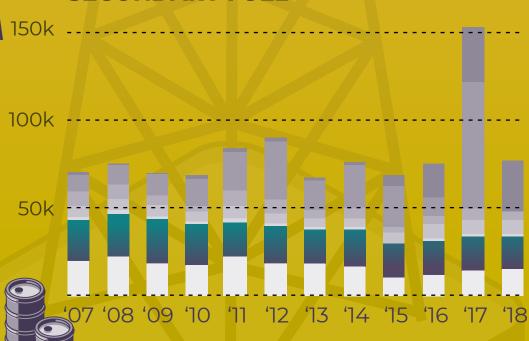
Thousand Barrels

#### **PRIMARY FUEL**



On primary fuel production, Ron-88 (subsidized fuel) still dominates refinery production in Indonesia.

#### **SECONDARY FUEL**



Low Sulphur Waxy Residue (LSWR) is a type of fuel widely produced on secondary fuel production.

'07 '08 '09 '10 '11 '12 '13 '14 '15 '16 '17 '18



200

