



PT. YUASA BATTERY INDONESIA

Tangerang, Banten

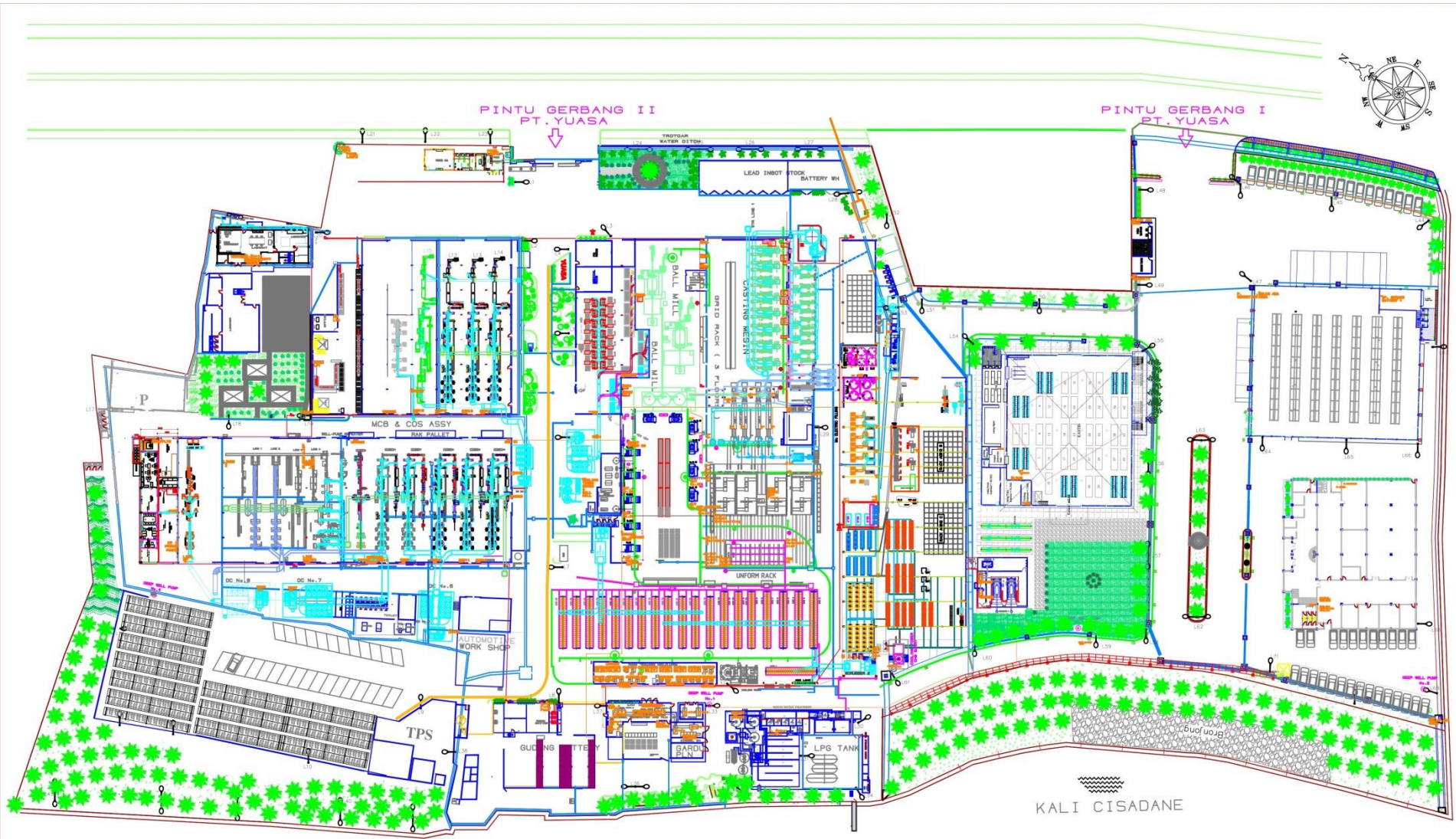


YUASA Location



- Established 14 Mei, 1975
- Commercial Operation Mei, 1977
- Address JL.MH Thamrin-Tangerang
- Land 48,135 m²
- Shareholders
 - PT. PAKARTI YOGA 50%
 - GS YUASA INTERNATIONAL LTD. 50%
- Capital US \$ 7,600,000
- Main Distributor
 - PT.SANTI YOGA (DOMESTIC) 2021
 - 21 Dealers and 22 Branch Dealer

YUASA Plant layout



■ Products Capacity

Motorcycle Battery : 15,000,000 PCS/Year

■ Employees

Total 1,421 Persons

- Indonesian 1,417 Persons

- Japanese 4 Persons

- ISO 9001: 2015 28 April, 2018
- ISO 14001: 2015 28 April, 2018
- SNI Indonesia (AMB) 18 Januari , 2017
- SNI Indonesia (MCB) 07 December, 2016





CERTIFICATE FROM DIRECTORATE OF CIVIL AVIATION SECURITY

**MINISTRY OF TRANSPORTATION
DIRECTORATE GENERAL OF CIVIL AVIATION**

Jl. Medan Merdeka Barat No. 6
Jakarta 10115
Phone No. 100 6640 1012

Phone : 021 55000 00000
021 55000 00000
Fax : 021 55100 000

CERTIFICATE OF APPROVAL
No. 7/A5P.104/DK/VI/2013

The Certificate issued to : **PACKAGING TYPE YTZ55**
Owner : **PT. Yuasa Battery Indonesia**
Business Address : **Jalan M.H Thamrin Tangerang
Indonesia**

Upon considering the result of testing that packaging complies with The Director General Decree No. : 34EP/075/2013 in accordance with ICAO Annex 18 and Document 9284 Technical Instructions For The Safe Transport of Dangerous By Air, Director General of Civil Aviation authorized to use the following package design :



This Certificate valid for 2 (two) years from the date of approval

Jakarta, 17 June 2013
For The Director General

M. SIDARUTAR
Director of Aviation Security

Cc. Director General of Civil Aviation

**MINISTRY OF TRANSPORTATION
DIRECTORATE GENERAL OF CIVIL AVIATION**

Jl. Medan Merdeka Barat No. 6
Jakarta 10115
Phone No. 100 6640 1012

Phone : 021 55000 00000
021 55000 00000
Fax : 021 55100 000

CERTIFICATE OF APPROVAL
No. 7/A5P.105/DK/VI/2013

The Certificate issued to : **PACKAGING TYPE YTZ5V**
Owner : **PT. Yuasa Battery Indonesia**
Business Address : **Jalan M.H Thamrin Tangerang
Indonesia**

Upon considering the result of testing that packaging complies with The Director General Decree No. : 34EP/075/2013 in accordance with ICAO Annex 18 and Document 9284 Technical Instructions For The Safe Transport of Dangerous By Air, Director General of Civil Aviation authorized to use the following package design :



This Certificate valid for 2 (two) years from the date of approval

Jakarta, 18 June 2013
For The Director General

M. SIDARUTAR
Director of Aviation Security

Cc. Director General of Civil Aviation

**MINISTRY OF TRANSPORTATION
DIRECTORATE GENERAL OF CIVIL AVIATION**

Jl. Medan Merdeka Barat No. 6
Jakarta 10115
Phone No. 100 6640 1012

Phone : 021 55000 00000
021 55000 00000
Fax : 021 55100 000

CERTIFICATE OF APPROVAL
No. 1/ DL. 05/ SP/ VI / 2013

The Certificate issued to : **PACKAGING TYPE YTX7 L-BS**
Owner : **PT. Yuasa Battery Indonesia**
Business Address : **Jl. MH Thamrin No.1 Kebon Nanas
Tangerang - Indonesia**

Upon considering the result of testing that packaging complies with The Minister of Transportation Decree No. PM 90 Year 2013 On The Safe Transport of Dangerous Goods By Air accordance with ICAO Annex 18 and Document 9284 Technical Instructions For The Safe Transport of Dangerous By Air, Director General of Civil Aviation authorized to use the following package design :



This Certificate valid for 2 (two) years from the date of approval

Jakarta, 05 December 2013
For The Director General

ZAINUL ARIFIN
Acting Director of Aviation Security

Cc. Director General of Civil Aviation

**DIRECTORATE GENERAL OF CIVIL AVIATION
DIRECTORATE OF AVIATION SECURITY**

CERTIFICATE OF APPROVAL
NUMBER : 179G.013/DEP/VI/11/2014

The Certificate issued to : **PACKAGING TYPE YTX 4L-BS**
Owner : **YUASA BATTERY INDONESIA (PT)**
Business Address : **JL. MH. THAMRIN-TANGERANG, INDONESIA**

Upon considering the result of testing that packaging complies with The Minister of Transportation Decree No. PM 90 Year 2013 On The Safe Transport of Dangerous Goods By Air accordance with ICAO Annex 18 and Document 9284 Technical Instructions For The Safe Transport of Dangerous By Air, Director General of Civil Aviation authorized to use the following package design :



This package certification is not transferable and valid for 2 (two) years from the date of approval.

Jakarta, 18 August 2014
FOR DIRECTOR GENERAL OF CIVIL AVIATION

YUSFANDRI GONA
Director of Aviation Security

**DIRECTORATE GENERAL OF CIVIL AVIATION
DIRECTORATE OF AVIATION SECURITY**

CERTIFICATE OF APPROVAL
NUMBER : 1/ DL. 014/DEP/VI/11/2014

The Certificate issued to : **PACKAGING TYPE YTX 5L-BS**
Owner : **YUASA BATTERY INDONESIA (PT)**
Business Address : **JL. MH. THAMRIN-TANGERANG, INDONESIA**

Upon considering the result of testing that packaging complies with The Minister of Transportation Decree No. PM 90 Year 2013 On The Safe Transport of Dangerous Goods By Air accordance with ICAO Annex 18 and Document 9284 Technical Instructions For The Safe Transport of Dangerous By Air, Director General of Civil Aviation authorized to use the following package design :



This package certification is not transferable and valid 2 (two) years from the date of approval.

Jakarta, 18 August 2014
FOR DIRECTOR GENERAL OF CIVIL AVIATION

YUSFANDRI GONA
Director of Aviation Security



YUASA Product History (for Motorcycle)

Year	Product
1977	6N4-2A, -2, -4(ABS), 6N6-1B, -1, 6N6-3B(AS), 6N11-2D(ABS)
1983	YB4L-B ←PP + TTP + Yumicron product production start
1986	12N5-3B, YB5L-B
1993	6N4-2A, -2, -4(PP),
1995	YB3L-B
1996	6N6-3B,-1(PP) 12N10-3B,-A(PP)
1999	YB12, YB14, 12N5.5-3B(PP), 12N5.5-4B-A(PP)
2000	12N9, 12N12, 12N14, YB7, YB9, YB10 ←Production move from Hotaka
2001	YTX4L-BS, YTX5L-BS, YTX9-BS(burning) ←Ca product production start YTZ5S(WET) ←WET + COS product production start
2002	6N12A-2D, 12N5.5-4A, 12N7 YTX4L-BS, YTX5L-BS, YTX9-BS (COS) ←2 nd COS line start
2004	YB10L-BP
2006	YTZ5S(WET) ←3 rd COS line start
2008	YTZ5S(DRY), YTX7L-BS, YTZ4V(WET) ←4 th COS line start
2010	YT7C
2011	YTZ6V (DRY, WET)
2012	YTZ4V (DRY)
2015	YTZ7V (WET), YTX12-BS (DRY), YTX14-BS (DRY)
2017	YTZ8V (DRY)
2019	YTX20L-BS (DRY)

YUASA Product History (for Automotive)

- ~1980 (N40,N70,N100,N120,N150,N200)→Ebonite(12N24,NS40)→ABS,N50→PP
- 1981 NS40→PP, NS40Z
- 1982 N50Z
- 1983 12N24→PP
- 1987 N40→PP
- 1989 NS70, (N70→PP), N70Z
- 1991 NS60, (N120, N150, N200-->PP), 55559, 56618.
- 1993 N100→PP, N100Z, 58827, 58024.
- 1994 53624, 54533, 54434.
- 2001 55B24, NS100.
- 2002 TN70ZL, 95D31, N100A, N200A.
- 2004 N50A, N70A, NS110M, N120A. NS40 ~ N200 (Export market) move to PT. TBP.
YUASA MF (34B19, NS60) & HYBRID(NS60,NS40Z,N50Z,NS70) ← TBP AFM Prod
- 2005 YUASA HYBRID (NS40) ← TBP AFM Production.
- 2007 N100 ~ N200 (AFM) move to PT. TBP.
YUASA HYBRID (N50) ← TBP AFM Production.
- 2008 New design for AMB - Local (New pafecta) ← YBID & TBP Production.
- 2009 - 2010 NS60, N50, N50Z, NS70 → Fighter brand for local market
- 2010 - 2014 New design for AMB - Local (New pafecta) ← All Type TBP Production.
- 2015 New design for AMB-Local (Maintenance Free) ← All type TBP Production.
- 2018 New variant heavy duty N-50Z, NS-70, N-70,
N-100, N-120, N-150, N-200 ← All type TBP Production.

Total : 64 battery type

YUASA Product Line up (for Automotive)

PAFECTA

26A19L / 12N24-3, 26A19R / 12N24-4
 32B20R / NS-40, 32B20R(S) / NS-40 S, 32B20L / NS-40 L
 36B20R / NS-40 Z, 36B20R (S) / NS-40ZS
 36B20L / NS-40ZL, 36B20L (S) / NS-40 ZLS
 32C24R / N-40
 46B24R / NS-60, 46B24R (S) / NS-60 (S)*
 46B24L / NS-60L, 46B24L (S) / NS-60L (S)*
 55B24L, 55B24R
 55D23L
 48D26R / N-50, 48D26L / N-50L
 55D26R / N-50Z
 55D26L / N-50ZL
 65D26R / NS-70
 65D26L / NS-70L
 65D31R / N-70
 75D31R / N-70Z
 75D31L / N-70ZL
 80D26L
 95D31R
 95D31L
 N-100
 N-120
 N-150
 N-200
 DIN-55559
 DIN-66638
 DIN-58024
 DIN-60038
 DIN-67018



38 Type Batteries

Maintenance Free

34B19L
 34B19R
 32B20R / NS-40
 36B20R / NS-40Z
 38B20L
 46B24R / NS-60
 46B24R (S) / NS-60S (S)
 46B24L / NS-60L
 46B24L (S) / NS-60L (S)
 55B24L(S)
 48D26R / N-50
 55D23L
 55D26R / N-50Z
 65D26R / NS-70
 65D26L / NS-70L
 80D26L
 65D31R / N-70
 75D31R / N-70Z
 95D31L
 562LN2
 566LN3



21 type battery

Heavy Duty

55D26R / N-50Z
 65D26R / NS-70
 65D31R / N-70
 95E41R / N-100
 115F51 / N-120
 145G51 / N-150
 190H52 / N-200



7 type battery

Total: 66 type batteries

YUASA Product Line up (for Motorcycle)



Super MF PAFECTA

YTX4L-BS, YTX5L-BS
 YTX7L-BS, YTX9-BS
 YTX12-BS, YTX14-BS
 YTZ5S (Dry, Wet)
 YTZ4V (Dry, Wet)
 YT7C (Dry)
 YTZ6V (Dry, Wet)
 YTZ7V (Dry, Wet)
 YTZ8V (Dry)
 YTX20L-BS (Dry)
 12 type batteries



Yumicron

YB2.5L-C, -BA, -3, A YB7-A, -BA
 YB3L-A, B, B-BA YB9-B, -BA, L-B
 YB3L-B, -BA YB10L-A2, B, B2, BP
 YB3L-B YB12AL-A, A2
 YB4L-B YB14L-A2, -B2
 YB4L-B, -BA
 YB5L-B, -BA
 YB7B-B, -BA
 YB7BL-A
 14 type batteries



Conventional

6N4-2A, -2, -3, -4, -BA, -5, -7, -8, -9, -12
 6N6-3B, -1, 6N11-2D
 6N12A-2C, -2D
 12N5-3B, -BA
 12N5.5-3B, -4B, -4A, 4B-A
 12N7-3B, -4A, 4B
 12N7B-3A, 12N9-3B, -BA
 12N9-4B-1, -BA
 12N10-3B, -A, 12N10-3A
 12N12A-4A-1, 12N14-3A
 10 type batteries

END

Thank you for your attention