



TYC

TYC Brother Industrial Company  
堤維西交通工業(股)公司

Lights. Intelligence. Safety.

Date: 2023/11/17

# TYC Group Global Network

**1986** Year company founded , principal business activities manufacturing vehicle lighting products for bicycle, cars, jeeps & scooters.

**19.2** Bil - NTD\$  
2022 TYC Group total revenue

**290** TYC/JUOKU vehicle lighting Registered technical design Patents.

**13** Total facilities globally which includes various sales & distribution center & manufacturing plant sites

**2799**  
Total global employees

## N. AMERICA

California	■	■	■
Georgia	■		
Illinois	■		
New Jersey	■		
Texas	■		

## EUROPE

Netherlands	■	■	■
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## ASIA

Taiwan	■	■	■	■
China	■	■	■	
Thailand	■	■	■	
Indonesia	■	■	■	
Vietnam	■	■		

■ Headquarters ■ Sales ■ Distribution Center ■ Manufacturing

# Members of TYC Group



**TYC Brother Industrial Co., Ltd. – 1986 located in Tainan, Taiwan**

TYC a world class vehicle lighting manufacturer capable of tooling & product design, engineering, production, assembly and supply to global OEM & Replacement Aftermarket. TYC also provides One Stop Shop service for replacement aftermarket automotive spare parts.



**JUOKU Technology Co., Ltd – 1993**

Maintain Technical Assistance Agreement with Stanley Electric Co. Japan. Core Products includes Tooling, Automotive & Scooter lighting devices, Key Locks, Switches & Service units for Asian region OEM's & replacement aftermarket. Plants located in Taipei & Tainan.



**DBM Reflex of Taiwan Co., Ltd – 2000**

A joint venture company with DBM Reflex of Canada, producing Reflex Reflector Electroform inserts. DBM Taiwan offers high quality products and services from feasibility studies, optical & mechanical design, electroforms manufacturing, injection try-outs and testing.

# Members of TYC Group



**Changzhou Tamou Precision Industrial Co., Ltd. - 2001**  
Specialized in plastic molds and tooling for vehicle lighting components located in China



**Kun Shan TYC High Performance Lighting Tech Co., Ltd. - 2010**  
TYC central business operation in China for automotive lighting replacement aftermarket production and distribution center including other automotive aftermarket spare parts.



**TYC Thailand - T.I.T. International Co., Ltd. - 1999**  
TYC manufacturing plant and sales office located in Rayong Industrial Park. Business activities includes selling automotive lighting products & spare parts to domestic replacement aftermarket , also supply lighting products to Thai OEM two – four wheelers customers.



**TYC Vietnam**  
A joint ventured company for manufacturing and sales of two and four wheelers lighting devices for domestic OEM production assembly. Plant located in Hanoi.

# Members of TYC Group



## **Genera Corporation -1991**

Genera is the exclusive N. American distribution arm for TYC products. Headquartered in Brea, California. Genera operates its 5 massive distribution center strategically located in California, New Jersey, Illinois, Texas & Georgia. It also provides inventory logistic supply services to TYC's N. America OEM customers.



## **TYC Europe B.V. - 2003**

Headquartered in The Netherlands, strategically position at the center of the European market. It serve as TYC's central sales & distribution center for European replacement aftermarket lighting products and other automotive collision parts, including inventory logistic supply services to TYC's European OEM customers.

# Affiliates of TYC Group



## **Varroc TYC Auto Lamps Co., Ltd. - 2004**

A 50-50 joint venture automotive lighting company with Varroc Group India, Varroc replaced Visteon Corporation of N. America, as it's partner in 2013. VTYC headquarter located in Changzhou, China for production & supply to China OEM automotive exterior lighting devices. Manufacturing plant facilities located in Changzhou & Chongqing.



## **P.T. Astra Juoku Indonesia - 2012**

A 50-50 joint venture automotive & motorcycle lighting company between P.T. Astra Otoparts and JUOKU Technology. Manufacturing plant facility located in Karawang, Indonesia for domestic OEM supplies.

# TYC Brother Industrial Co. Overview

1986

Established : Sep. 9, 1986  
Anping Plant : 21,746 sq.m.  
Principal Activity : Manufacture and sales of Vehicle Lighting Products for Automotive, Bus, Coach, Motorcycle, Scooter, Truck, Tractor.....etc..

3.1 Bil NTD\$  
TYC Capital

1997

Initial Public Offerings

1607  
Total Employees



2003

TECH PARK PLANT PHASE 1:62,300sq.m  
AFM engineering; Manufacturing; Assembly;  
Material Purchasing; Production Control ; QA ;  
AFM assembly; Components & Parts Storage  
Warehouse; Shipping

2012

TECH PARK PLANT PHASE 2 :12,722 sq.m  
Aftermarket spare parts logistic center

2015

TECH PARK PLANT PHASE 3 : 20,761 sq.m  
OEM assembly line; OEM Parts Storage;  
Warehouse & Shipping

2019

Facility Expansion : Automated  
Storage Retrieval System II

# Component Storage System Capacity

The first ASRS material inventory system in Taiwan Lighting Industry

\*ASRS – automated storage & retrieval system



# With standardized manufacturing processes, TYC pursues better outputs in manufacturing capacity, efficiency & flexibility

Italian Plasma Vacuum System process for reflective or decorative components  
UV hard coat robotic painting process for Polycarbonate lens



# Plant and Product Quality Merits

TYC produce vehicle lighting products that complies with specific territorial quality standards and regulation for OEM & Aftermarket

PLANT



PRODUCT



# TYC - First Taiwan Vehicle Lighting Device Manufacturer to be certified by TÜV Rheinland for ISO 26262 Functional Safety Management System

**Certificate**



**Functional Safety Management**

FS Management (TÜV Rheinland)  
ISO 26262 - Road vehicles - Functional safety  
A-FSM 117

<b>Certificate No.</b>	968/A-FSM 117.00/18
<b>Certified Company &amp; Location</b>	TYC Brother Industrial Co., Ltd. No. 72-2, Shin-Leh Road An-Pin Industrial Zone Tainan Taiwan, R.O.C.
<b>Scope of Certification</b>	ISO 26262-2:2011 Management of functional safety ISO 26262-4:2011 (in extracts) Product development at the system level ISO 26262-7:2011 Production and operation ISO 26262-8:2011 (in extracts) Supporting processes

The certified Company has successfully demonstrated during an audit process that a Functional Safety Management System has been implemented.

**Maturity Level: Managed**

Purpose of the audit is to obtain evidence of compliance with the organizational requirements related to the following aspects, **Management of Functional Safety, Documentation and Safety Lifecycle Phases** according to the Scope of Certification up to and including **Automotive Safety Integrity Level ASIL B**.

This covers the **Product Development at the System Level and Production of automotive lamp products** according to ISO 26262. System Design according to ISO 26262-4, Clause 7, Safety Validation according to ISO 26262-4, Clause 9, and the Lifecycle phases after production are excluded.  
As part of the audit process organizational and informational exchange / supply related to other respective Safety Lifecycle Phases between the Certified Company and its customer is considered.  
This FSM Certification only refers to the listed company location and their involved departments, which comply with the organizational FSM requirements for the listed Scope of Certification. It does not replace any kind of product specific Confirmation Measures including product specific audits or assessments.

<b>Validity</b>	This certificate is valid until 2019-07-09
<b>Cologne, 2018-07-09</b>	 Dr.-Ing. Thorsten Gantevoort

TÜV Rheinland Industrie Service GmbH  
Bereich Automation  
Funktionale Sicherheit  
Am Grauen Stein, 51105 Köln

TÜV Rheinland Industrie Service GmbH  
Bereich Automation & Grid  
Further information referring to the scope of certification, see <http://www.tuv.com>

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Am Grauen Stein  
51105 Cologne - Germany

[www.fs-products.com](http://www.fs-products.com)  
[www.tuv.com](http://www.tuv.com)

 **TÜVRheinland®**  
Precisely Right.

 **TYC** LIGHTS. PRECISION. SAFETY

# Supplier Awards from Two Wheels Customers



2018 KTM  
Supplier Quality Award



2016 Ducati  
Quality & Service Award



2013 Ducati  
Quality & Service Award



2009 Ducati  
Quality & Service Award



2014 KYMCO  
50 year Award



# Taiwan Excellence Award 台灣精品獎

## Vehicle Lighting Products 汽機車燈





# 2017 Taiwan Excellence Award 台灣精品獎

Vehicle Lighting Products 汽機車燈

Full LED Coach Headlamp for Irizar Spain



Full LED 5 in 1 Headlamp (H/L , DRL, Position, Turn) for IRIZAR, Spain



# Major OEM Customers

## Automotive



Aixam Mega  
France



Ford Motor Company  
South Africa, Asia-Pacific, Argentina



GM (Holden)  
Australia



GM  
Brazil, Thailand, N. America



Holden Special  
Vehicles  
Australia



Isuzu  
Philippines



Magna Steyr  
Austria

## Bus & Coach



Irizar  
Spain



Blue Bird  
N. America



Prevost  
Canada



VDL  
The Netherlands

## Motorcycle



BMW  
Germany



KTM  
Austria



Suzuki  
Japan



Ducati  
Italy, Thailand



MV Agusta  
Italy



Triumph  
UK, Thailand



Harley Davidson  
USA



Aprilia  
Italy



Husqvarna  
Austria

## Scooter



KYMCO  
Taiwan



Sanyang  
Vietnam, Taiwan



Honda  
Indonesia, Thailand, Vietnam



Suzuki  
Indonesia, Thailand  
N. America

## Truck & Tractor



DAIMLER TRUCKS N.A. LLC  
N. America



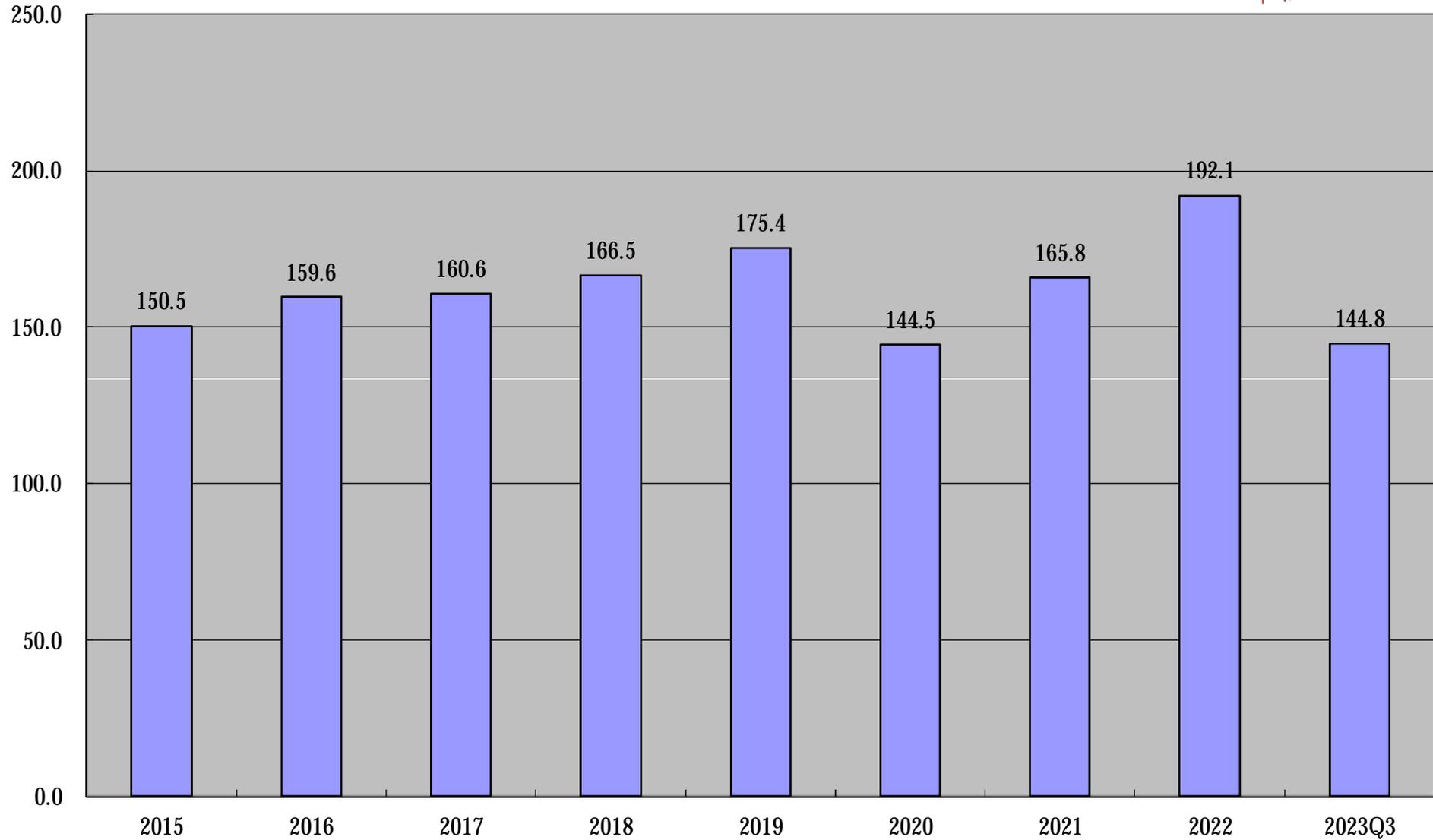
AGCO  
N. America



NAVISTAR, INC.  
N. America

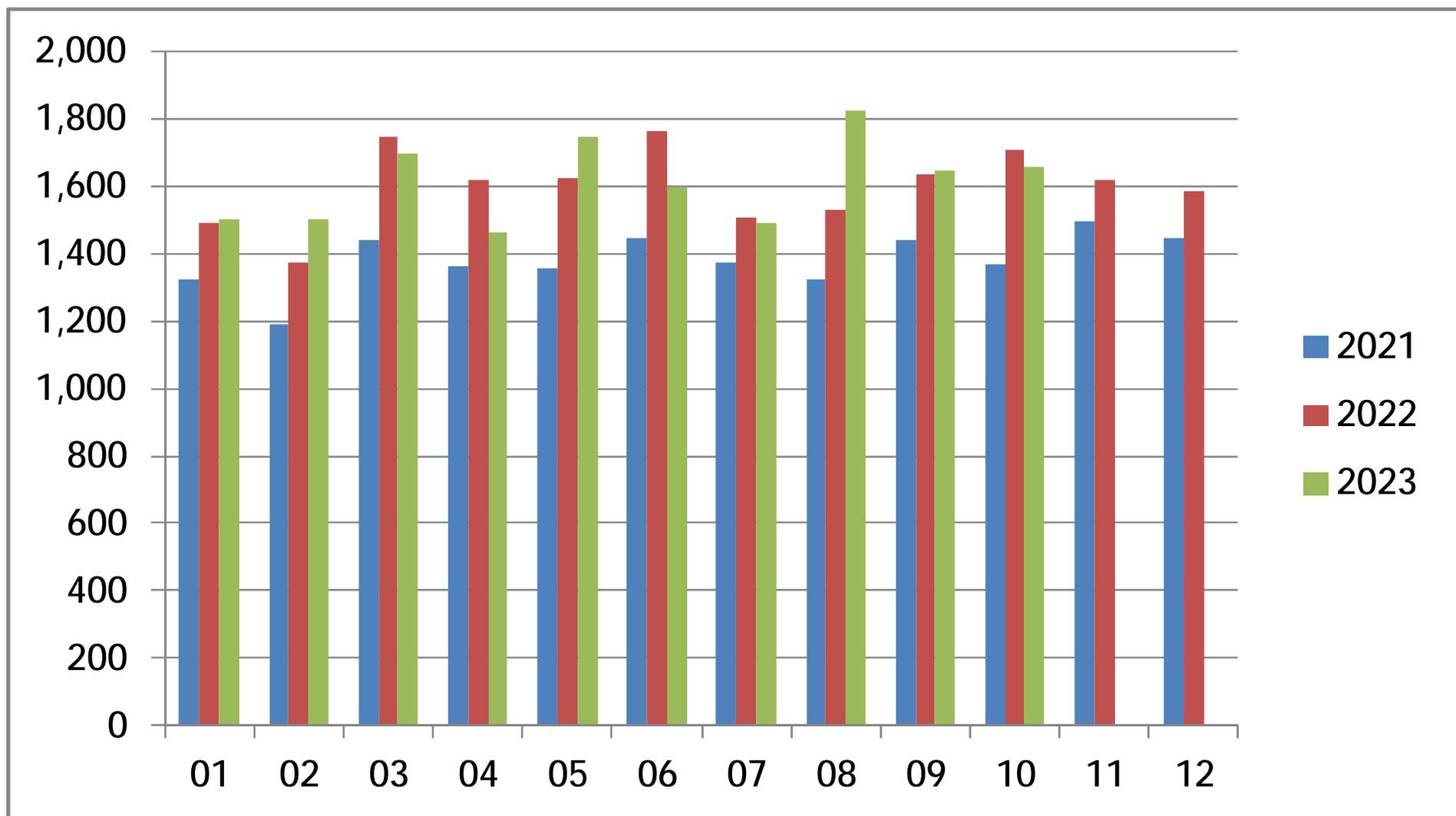
# TYC Consolidated Sales 合併營收-堤維西交通

單位: NTD 100 million

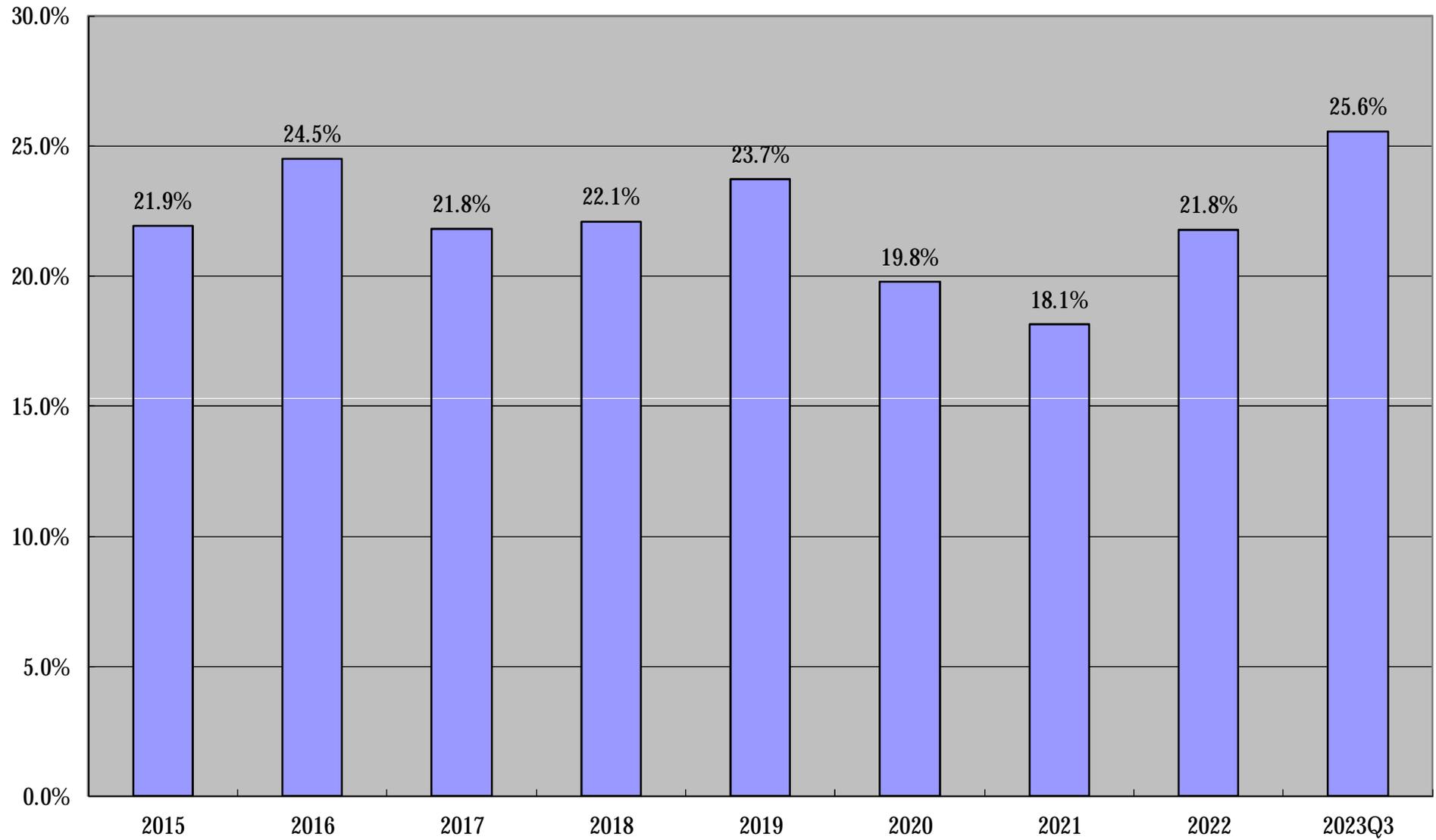


# TYC Monthly Consolidated Sales 合併月營收-堤維西交通

單位: Million(NTD)

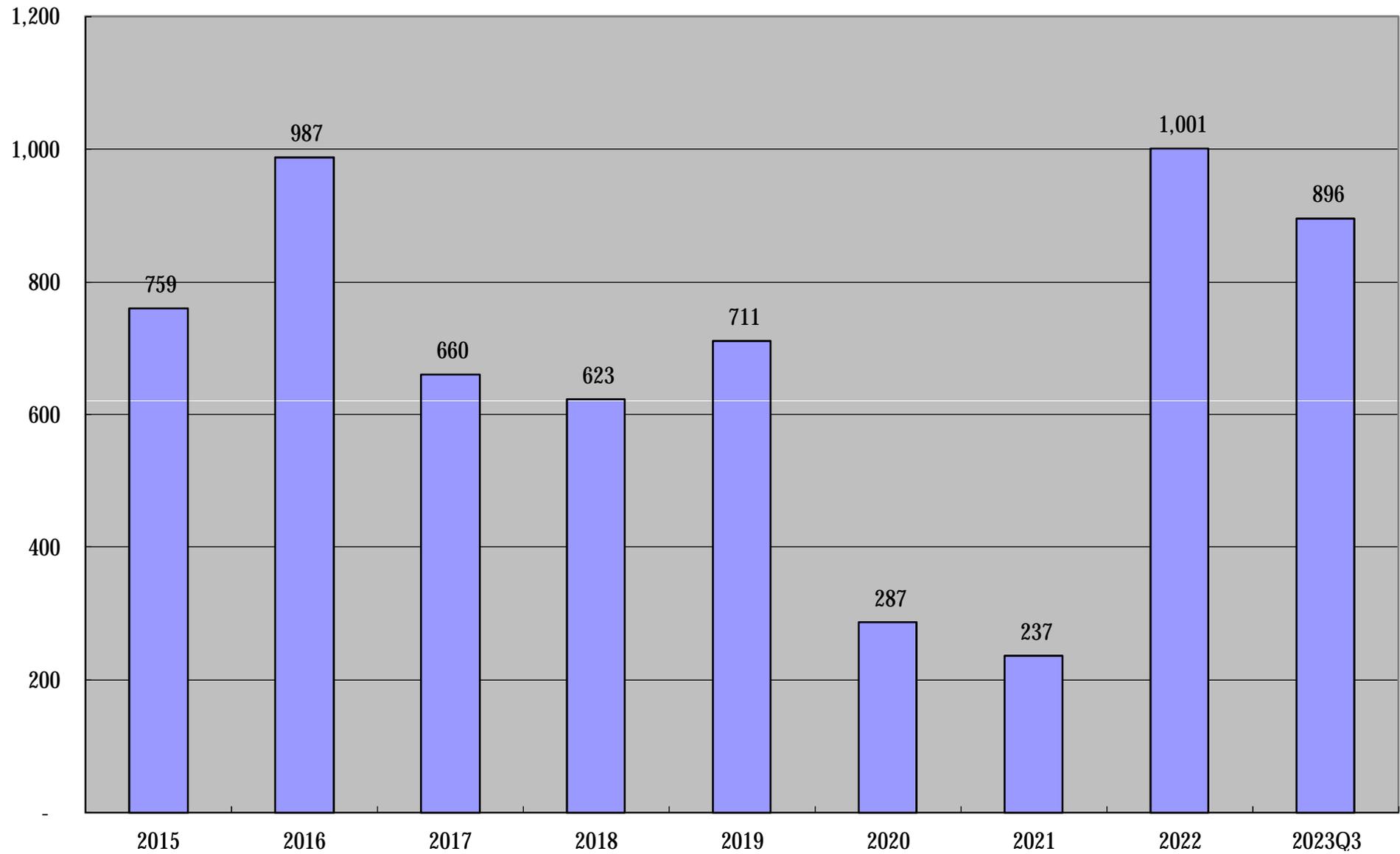


## TYC Gross Margin 毛利率-堤維西交通



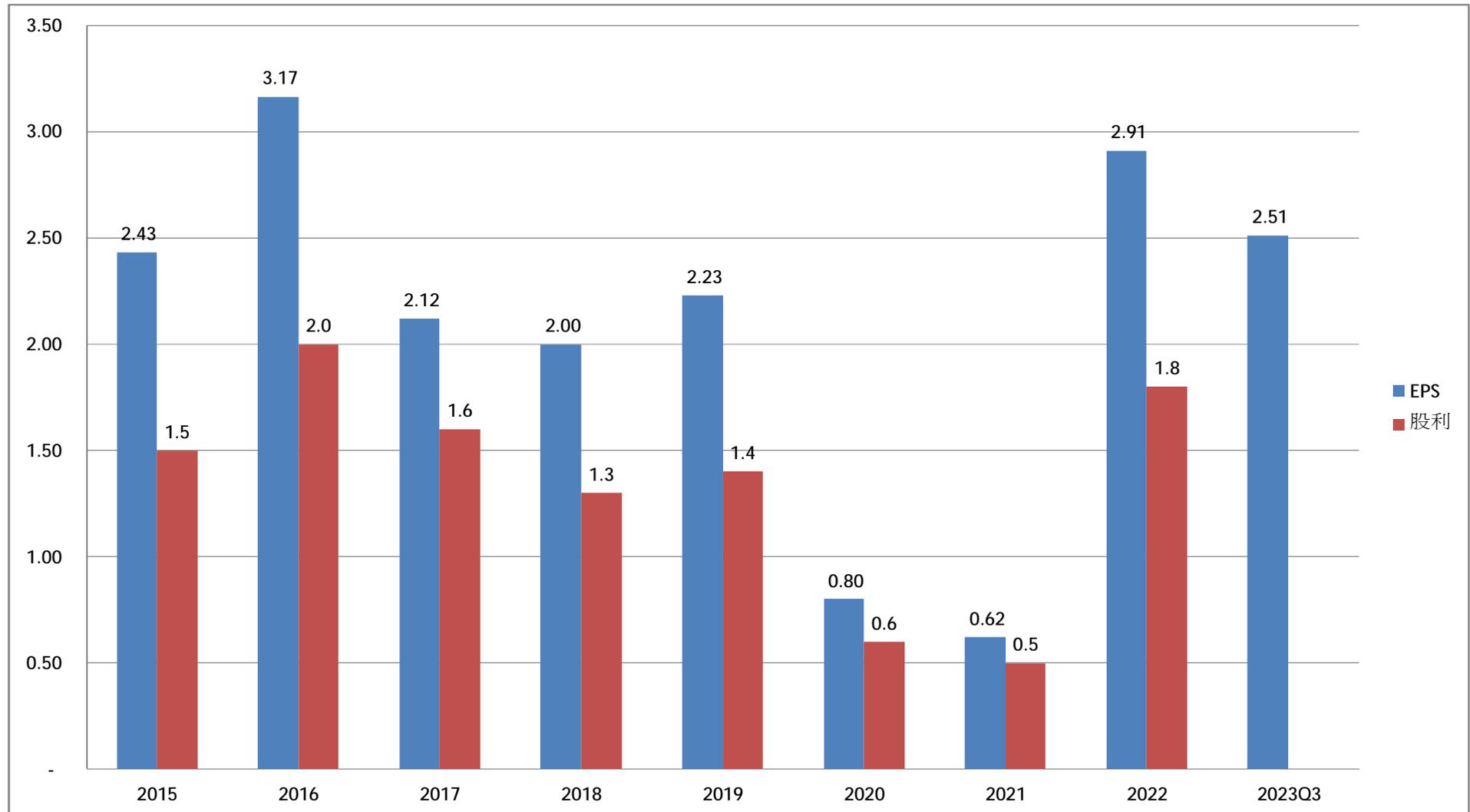
# TYC Net Income 稅後淨利-堤維西交通

單位: NTD million



## TYC EPS/Dividend 每股盈餘/股利

單位：NTD(台幣)



**TYE**

# Q & A

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