# Turvo International Co., LTD

**2Q25 Investor Conference** 

Stock Ticker: 2233

**Speaker**: Alex Tsai

**General manager** 

Date: June 27, 2025

### Disclaimer

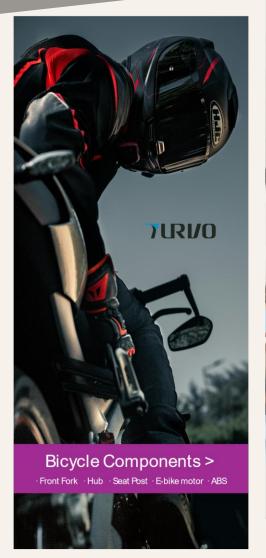
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- The actual future operating results, financial conditions and business results of the company may differ from the forecast information, which may be due to various factors, including but not limited to market demand, various policies and regulations and changes in the overall economic situation, and other risks and other factors beyond the control of the Company.
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A TURVO Brand









Seize the Opportunity

### Agenda:

- > Company Background
- > Financial Performance
- > Core Competency
- Business Strategy
- > Sustainable Development



### **Company Background**

Capital Amount

Location

Main Products

Number of Employees

December 29, 1987

TWD\$602,881 (thousand)

No.27, Jing 2 Rd., Wuci Dist.,
Taichung City 435, Taiwan
Precision metal components for Automobiles,
Bicycles, Medical devices and Industrial
applications and TUF ONE Planetary Reducers

1,164 (as of May 31, 2025)











**Dongguan Plant** 

Main Products: Auto, Industrial and Medical

**Taichung Headquarter** 

Main Products: Bike, Industrial, Medical and TUF ONE

Zhejiang Plant

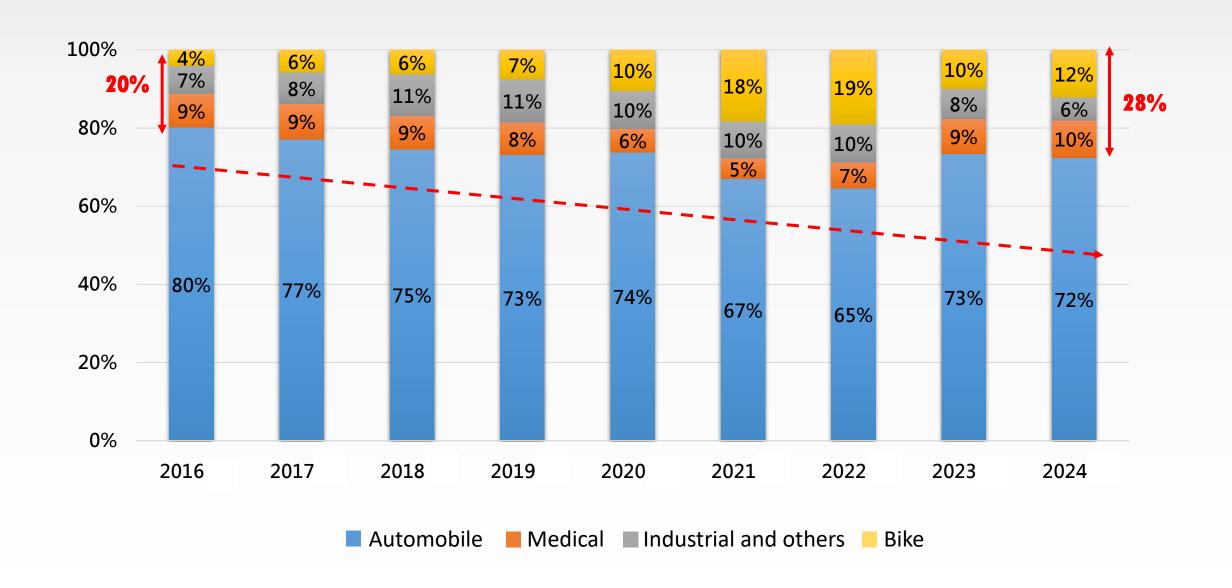
Main Products: Auto, Industrial NVQD

### **Annual Operating Performance**

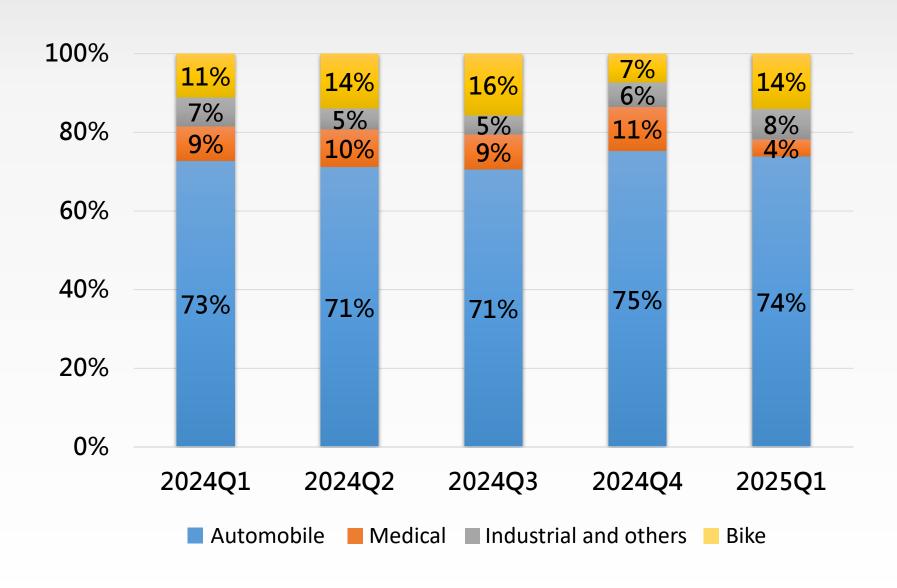
**Unit: NTD Millions** 

Fiscal Year	2020	2021	2022	2023	2024	2025Q1
Operating Revenue	2,538	3,233	3,350	3,337	3,659	879
Gross Profit	823	1,149	1,104	1,091	1,360	266
GPM (%)	32.43%	35.55%	32.94%	32.70%	37.18%	30.30%
Operating Profit	405	649	545	532	688	118
OPM (%)	15.95%	20.08%	16.26%	15.93%	18.82%	13.39%
Net Profit	359	530	614	530	658	121
EPS (NT\$)	6.23	9.01	10.32	8.86	10.96	2.02
Cash Dividend (NT\$)	3.75	5.40	6.00	5.30	7.00	N/A
Payout Ratio (%)	60.19%	59.93%	58.14%	59.82%	63.87%	N/A

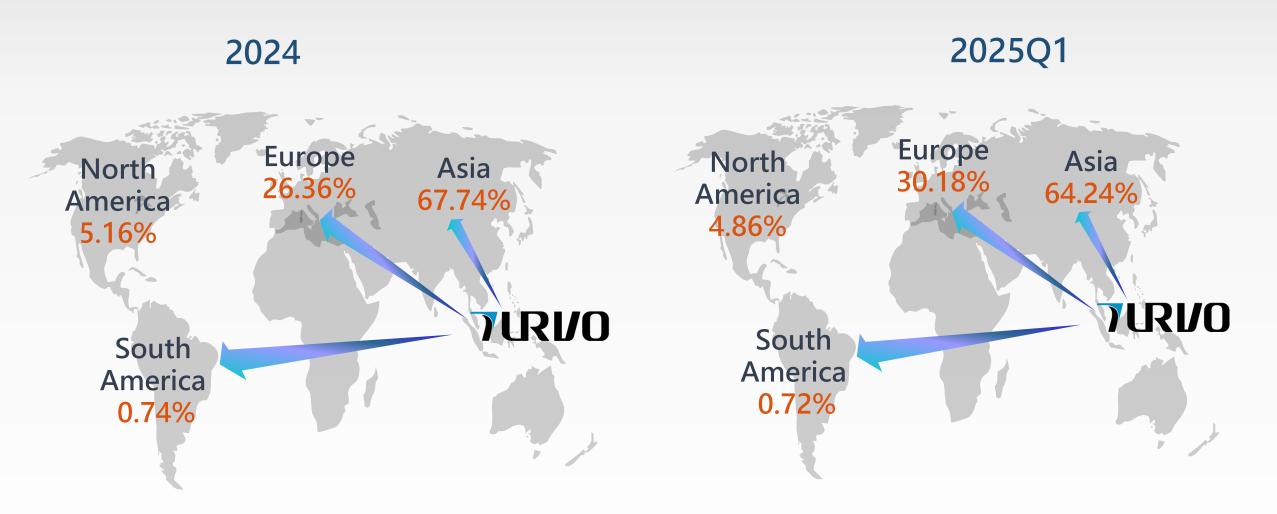
### **Annual Revenue by Application**



### **Quarterly Revenue by Application**



### Revenue by Region



### **Business Strategy**

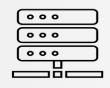
# Turning to Become



# **Expand Core Applications**

- Automobile components
- Bicycle components
- Medical products
- Industrial applications







## **Proactive and Continuous Innovation**

- Develop new products to satisfy customers' needs
- Accelerate the expansion of nonfuel vehicle products (Hybrid/NEV/BEV)
- e-Bike
- Al application, e-VTOL



#### **Launch OBM Products**

- Planetary Reducers
- RV Reducers
- Harmonic Reducers (Humanoid-related)

### **Business Strategy**

 Expand Core Applications **Electric Axle Drive Engine Injector** GDI, High Pressure Pump **Transmissions Control (TC) Braking System** Variable Cam Timing (VCT) Air Suspension



**AISIN** 

### **Business Strategy – Expand Core Applications**



#### **Bicycle Components**

- Shock absorbers
- Front forks
- Hubs
- Seat post parts









#### **Medical Components**

Core components of insulin injectors







#### **Industrial Automation**

- Global industrial automatic sensors
- Hydraulic control systems







### **Business Strategy**

### Proactive and Continuous Innovation

**Fuel Cell & Thermal Management System** 

**ADAS Sensor** 

**Braking System** 

Non-Fuel Vehicle
Products /
Shared Component
End Applications













**BOSCH** 

**Last Man Standing Business Strategy** 

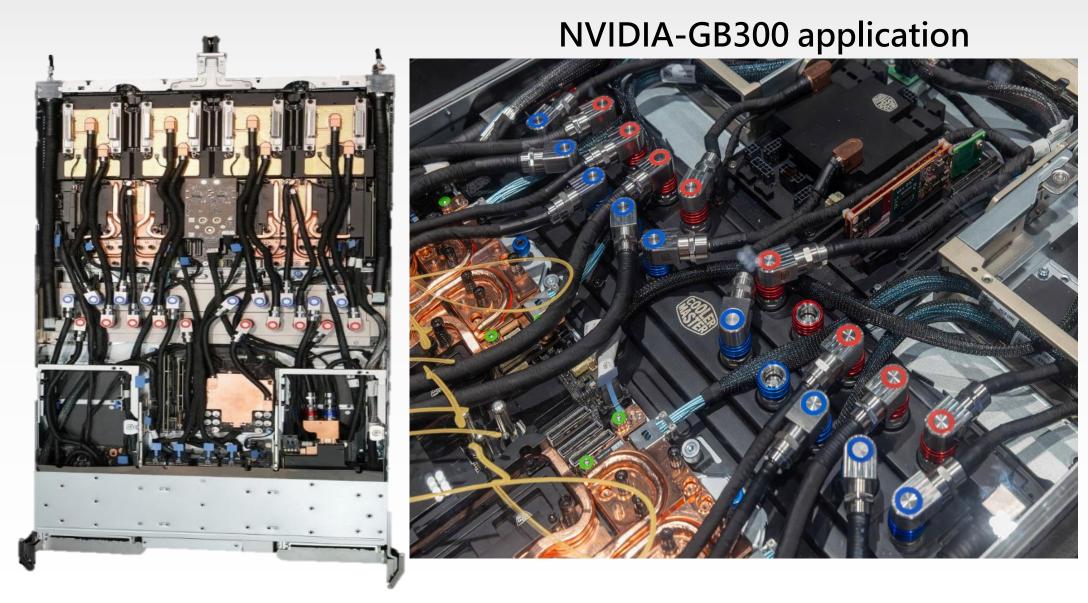
**AI robot** 





### **Business Strategy**

### Proactive and Continuous Innovation



### Develop our own reducer brand



### Our own brand TUF ONE's performance in recent years

- ✓ Mar. 2023 Taipei International Machine Tool Show
- ✓ Apr. 2023 Hannover Industrial Fair
- ✓ Mar. 2024 Taipei International Machine Tool Show
- ✓ Apr. 2024 Hannover Industrial Fair
- ✓ Aug. 2024 Taipei Automation Show
- ✓ Nov. 2024 Shanghai International Import Expo
- ✓ Mar. 2025 Taipei International Machine Tool Show

#### **COMING SOON ~**









### Our own brand TUF ONE

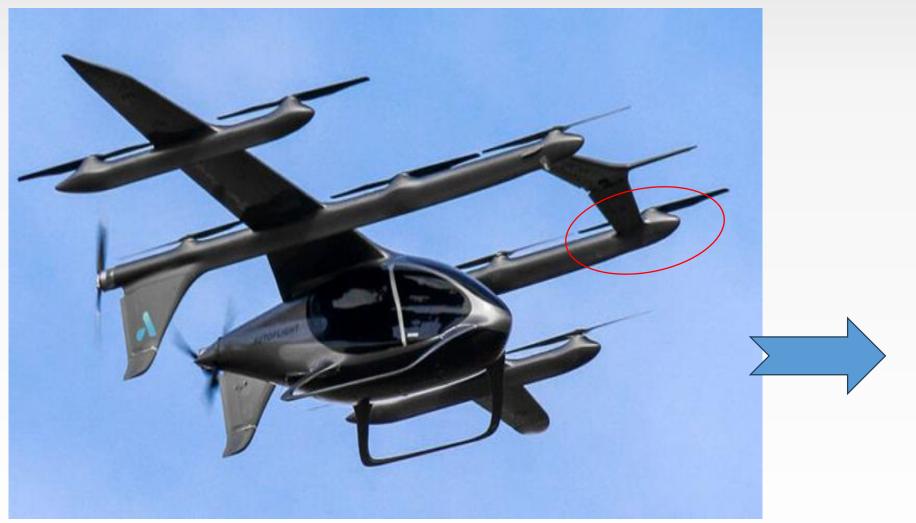
### -Proactive and Continuous Innovation

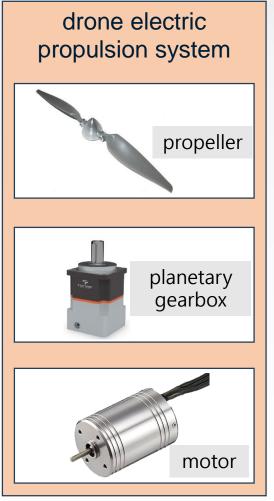


- > RV Reducer
- Semiconductor
  Equipment Application
- > e-VTOL



### Drone e-VTOL system key





e-VTOL drone

### **Key Components for Humanoids**



#### 2. Sensors

Image sensors Lens mmWave radars



FSD Chips System algorithms, visual navigation, language, and motion control modules



Coreless motors Micro planetary reducers 6D force sensors

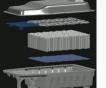




#### 6. Battery Pack

Power battery





#### 7. Others

Structural components Communication Thermal management



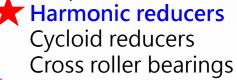


Frameless torque motors Torque force sensors

Planetary roller screws Single row radial ball bearings



Frameless torque motors Torque force sensors







### **Humanoid – Future Demand for Reducers**

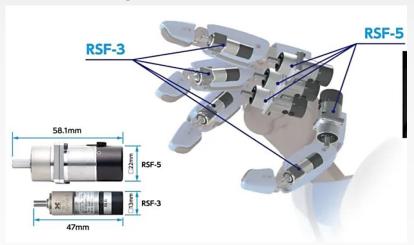
According to Morgan Stanley, Tesla Optimus Gen2's current BoM is \$50-60k per unit (exsoftware) ceo Elon Musk estimated targeted Optimus selling price is ~\$20k (~NTD 650k) and predicted that by 2027, the production of Optimus will reach at least 500k units Eventually, an estimated 20 to 30 billion robots could be operating worldwide.

The usage of reducers for Optimus:

16 Harmonic Reducers

16 Planetary Reducers

### Rotary Actuator: Planetary (Harmonic) Reducers





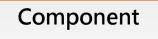
### **TUF ONEreducer planning and application**

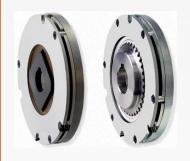




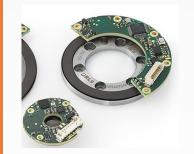








Braking



Encoder



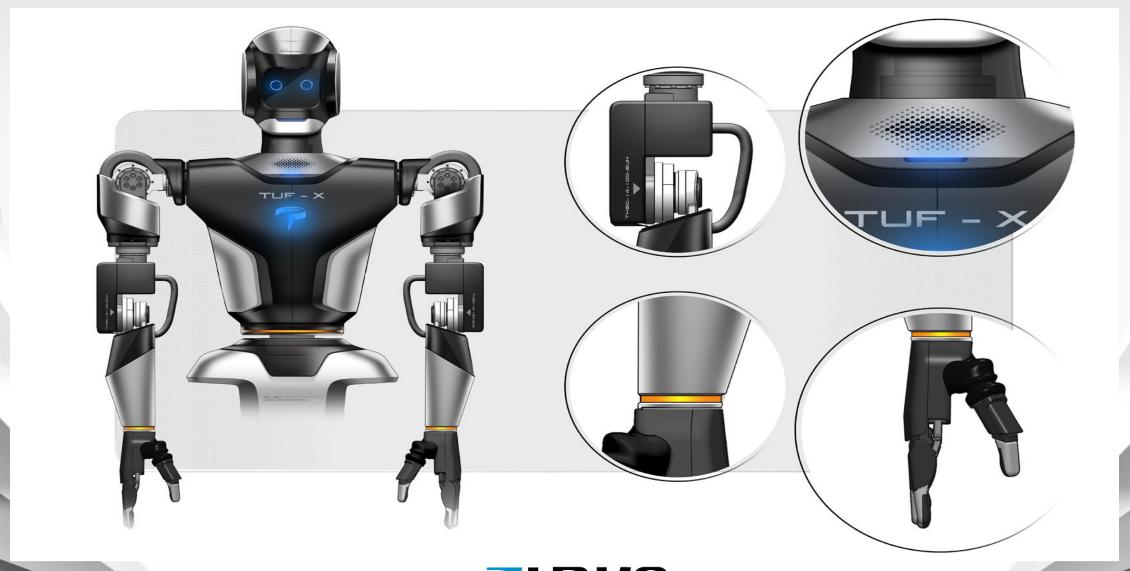




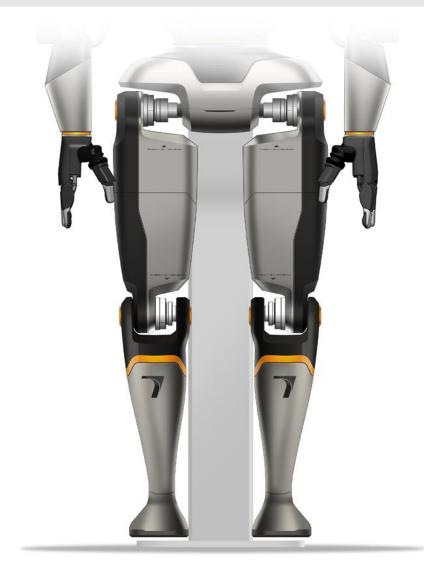


















#### For our environment

ISO14064-1 Carbon Inventory

EU launches carbon border adjustment mechanism



**SBTi** 

CDP

### 7URVO

# Q & A