

# 2024 COMPANY INTRODUCTION >>

## HIGO Technology



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# PART 01

## Company Profile

- About HIGO
- Development
- Global Distribution

## HIGO GROUP



Established in 2008, HIGO set up its operational headquarters in 2020 at High-speed Rail New Town, Suzhou. We are committed to R&D, manufacturing and sales of **electronic connectors and harness systems and intelligent displays for intelligent transportation, ocean, and agriculture**, ranking highly among this field worldwide.

HIGO has **several manufacturing bases in mainland China**, and has established **branches in Stuttgart (Germany) and Taoyuan (Taiwan)**. Experiencing years of development, HIGO has been accredited as “High-tech Enterprise of Jiangsu Province,” “Private Enterprise Specialized in Science and Technology of Jiangsu Province,” “Industrial Design Centre of Suzhou,” and “Engineering Technology Centre of Suzhou.”, and has **won the trust of over 1000 customers in more than 20 countries around the world, occupying a significant share of the mid-to-high-end market.**

Based on the connection, HIGO will build up core competitiveness by adhering to the concept of sustainable development, creating a global enterprise with wisdom, ideal and vitality. **We aim to connect the world and the future with more intelligent products and services.**

- Professional
- Innovative
- Intelligent



- **2008 Company Inception**
  - **HIGO founded**;
  - Entry into the E-BIKE waterproof connector field;
  - Established Shanghai Higo Electrical Equipment Co., Ltd.;



- **2012 Accelerated Growth**
  - Formulated **four series of standards for E-bike**;
  - Set up **smart manufacturing bases**.



- **2022 Cultivating Markets Abroad**
  - Set up **European R&D Center in Germany**;
  - Expanding market presence in European.



- **2020 Group Company**
  - Set up **HIGO Suzhou headquarter**;
  - Launched **intelligent display business**;
  - Annual turnover doubled to **700 million**.



- **2018 Capacity Expansion**
  - Established **Taiwan Sales Center**.

- **2014 Going Global**
  - Signed an agency **agreement with A&C Solutions** in Europe;
  - Providing local technology support.

# GLOBAL DISTRIBUTION

## Germany, Europe

Stuttgart R&D Center



## China

Headquarter  
Intelligent Manufacturing Bases



## Taiwan, China

(Taipei) Taoyuan Sales Center



The headquarter and intelligent manufacturing bases of HIGO Group are positioned in the economically developed region in the Yangtze River Delta, with convenient transportation, adjacency to ports, and an efficient freight network. They cover a total area of **20,000 m<sup>2</sup>**, with **600+** dedicated individuals.



In parallel, the official establishment of German branch marked a significant stride in advancing our localization strategy in Europe, thus solidifying our global strategy.



# PART 02

## Application

- E-Mobility
- Ocean Engineering
- Intelligent Agriculture



## E-MOBILITY

Connectors & Intelligent Display >>

E-mobility takes into account the collaboration of people, vehicles, and roads. It's built on network integration, providing traffic information services based on real-time data, fostering interactive information exchange, and delivering services on a broad scale.



## OCEAN ENGINEERING

Connectors & Harness Systems >>

Ocean engineering represents a deep integration of "industrialization + informatization" in the maritime sector. It progressively establishes a comprehensive ocean engineering system through ocean sensing, data transmission, data processing, and practical applications.



## INTELLIGENT AGRICULTURE

Connectors & Harness Systems >>

Intelligent Agriculture embodies the tangible expression of an intelligent economic approach in the agricultural realm. It seamlessly integrates modern scientific technologies with agricultural practices, achieving unmanned, automated, visualized, and intelligent agricultural management.





## E-Bike Harness System

01

- ◆ Waterproof structure with special adhesive material;
- ◆ Pressure and friction resistant with the suspension system;
- ◆ Lightweight design for easy maintenance;
- ◆ Resilient in harsh environments.



## E-MOBILITY >>>>

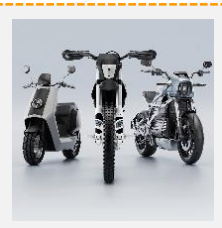
HIGO took the lead in entering the E-bike waterproof connector market. As the leader of this sector, HIGO carefully addresses the varied demands of our customers in different scenarios, and offer intelligent solutions as well as customized services for the entire harness system.

**Partners:** FLYER, Segway-Ninebot, Valeo, Brose, Yadea, etc.

## E-Motors Harness System

02

- ◆ Withstand high current  $\geq 150A$ ;
- ◆ Bump-taming with the locking system;
- ◆ BMS anti-ignition design;
- ◆ Customized solutions.





**SEEKRUN**, a high-end brand of HIGO established in 2020, is dedicated to the R&D, manufacturing, and sales of intelligent displays and accessories for E-bikes and Light E-vehicles.

- **Partners:** SHIMANO, LEKKER, VOGUE BIKE, CYCLEUROPE, VOLTAIRE, ACCELL, etc.



## Advantages

- Integrated into the adjustable stem, cables hidden
- Colorful and customized visuals
- Sensitive feedback with a clear touch
- Left/Right-mounted up to you
- High definition and hardness glass
- High brightness regardless of sunshine

## Products

- Q1
- Q2
- Y2
- A1
- EONE
- G1
- X1
- M1



Since its establishment in 2008, HIGO has been deeply involved in ocean engineering. As a provider of comprehensive underwater connection solutions, we've honed the ability to systematically and customarily develop watertight connectors, thus meeting diverse needs across marine engineering, marine platform construction, resource exploration, energy extraction, and military applications.

**Partners:** CSSC (China State Shipbuilding Corporation),  
CSIC (China Shipbuilding Industry Corporation),  
CSIC 702nd Research Institute, etc.

## OCEAN ENGINEERING



## Applications

- ◆ **Ocean Resources Development**
  - Mining, Aquaculture, Water Quality Testing
- ◆ **Aquatic Sports**
  - Underwater Equipment, Water-surfaces Devices, Submersible Devices
- ◆ **Ocean Exploration**
  - Oceanographic Instrumentation, Sensors



## Products

- ◆ Standard Circular Watertight Connectors
- ◆ Miniature Watertight Connectors
- ◆ Special Watertight Connectors



## Advantages

- ◆ Cost-effectiveness, short delivery cycles, and high reliability;
- ◆ High sealing, watertight, weather-resistant, and oil-resistant;
- ◆ Operation depth: 600–12,000M.

## Intelligent Agriculture

HIGO is committed to revolutionizing traditional agricultural practices. We have built a powerful product lineup and connection system solutions in specialized areas such as intelligent cultivation, unmanned agricultural machinery, autonomous farming, and pest detection. In this case, we are delivering precision planting, visualized management, and intelligent decision-making for modern agriculture.

- **Partners:** Muyuan Foods, Hunan Huinong Network Technology, ComNav Technology, Shanghai Allynnav Technology, etc.

### Harness System Solutions for Unmanned Agricultural Machinery



#### Applications

- Comprehensive harness system for automated seeding, planting, and harvesting across various crops;

#### Products

- Motor control harness, battery harness, and harness assemblies for the electrical system;

#### Advantages

- Robust locking structure for vibration resistance;
- Highly integrated harness to simplify complex circuit layouts;
- IP67 waterproof.

### Harness System Solutions for Intelligent Farming



#### Applications

- Wiring solutions for automated feeding, environmental control, cleaning, lighting, and insulation;

#### Products

- A complete system for mainline/branch feeding equipment, and an integrated system for water supply and probes;

#### Advantages

- Resistance to chemical corrosion, waterproof, and high-temperature;
- IP67 waterproof.



# PART 03

## R&D INNOVATION

- Tests
- Self-developed Equipment
- Patent Certification

# TESTS

HIGO boasts a fleet of **40+** testing and evaluation devices, covering a wide array of testing parameters. These exceptional products form the bedrock of our brand.



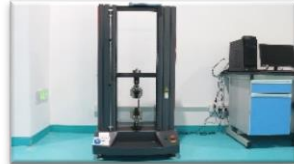
Battery Impact Tester



Battery Connector for Vibration



Metallographic Analyzer



Double Column Tensile Testing



Microhardness Testers



DC Power Supplies with Electronic Loads



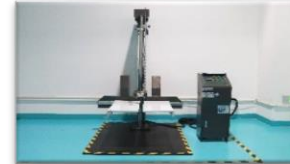
Watertight Devices



Vibration Table



Swing Analyzer



Drop Tester



UV Light Accelerated Weathering Chamber



Insertion & Extraction Force Tester



Thermal Shock Chamber



Pressure Tester



Waterproof Tester



High Temperature Chamber



Constant Temperature and Humidity Chamber

# SELF-DEVELOPED EQUIPMENT

HIGO pioneers in **self-developed** custom automated equipment, significantly enhancing production efficiency and product yield.



**Glue Coating Machine >>**

Fully automated equipment for coating glue rings to improve waterproof performances



**Linear Pin Insertion Machine >>**

A high-speed cam mechanism for pin insertion, Achieving an impressive 99% yield coupled with CCD visual inspection



**Disk Pin Insertion Machine >>**

Outperform ordinary linear equipment, ensuring a stable yield of 99%.



**Linear-cam Pin Insertion Machine >>**

Deliver high processing efficiency, a robust production yield, exceptional equipment utilization, and comprehensive testing capabilities.



**Crown-spring Assembly/Closing Machine >>**

Enabling versatile assembly/closing for various products, ensuring swift and stable efficiency.



**Terminal Block Sorting Machine >>**

Real-time detection of terminal length, ensuring effective product sorting.



**Terminal Block Assembly Machine >>**

Automate post-terminal processing.



**Circular-track Pin Insertion Machine >>**

Achieving high efficiency, strong compatibility, and high equipment capacity.

# PATENT CERTIFICATION

## Championing Value, Safeguarding Quality, and Making Commitment to Industry Standards.

Looking ahead, HIGO commits to an ambitious **annual growth rate of 30%** for expanding patent applications. We're rolling out incentive policies, ramping up R&D investments, fortifying innovation, shielding utility models and industrial designs, and propelling high-quality development.

<b>9</b> Granted Invention	<b>68</b> Utility Models	<b>36</b> Design Patents
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# PART 04

## HIGO PARTNERS

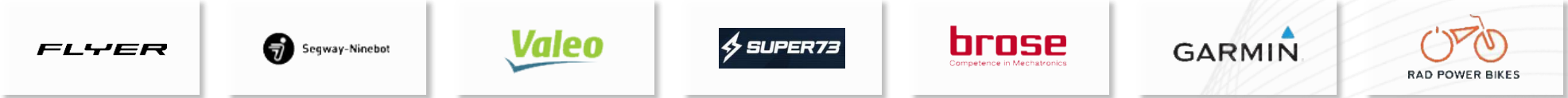
- External Partners
- Corporate Value

# EXTRNAL PARTNERS

HIGO has **1300+** global partners

We are a pivotal partner for industry leaders in waterproof connectors.

## E-Mobility



## Ocean Engineering



## Intelligent Agriculture

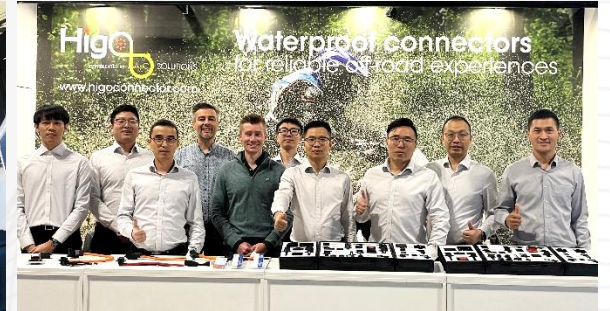
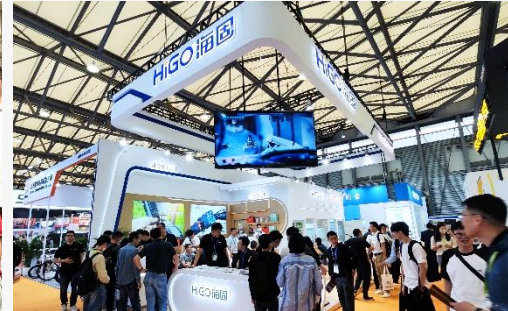


# CORPORATE VALUE



**“Connect the World”**

HIGO fosters, inspires, and propels every member to unleash their potential, and unwaveringly fulfilling our mission to a smarter life.



**“Persistently Striving, Self-worth for Shared Growth”**

We value the industrious, empowering each HIGO employee to realize their self-worth, and contribute to the company's ongoing journey of growth.





# THANKS

With every proactive shift, a new shoot emerges. We're fortifying the foundation of "stability," harnessing the momentum of "progress," facing challenges head-on, and propelling HIGO to boldly ascend into a new era!



HiGO GROUP