

Jiangsu Superbio Biomedical Co., Ltd.

COMPANY INTRODUCTION





Company Profile

⊕ Company Introduction

⊕ Company Culture

⊕ Organizational Structure

⊕ Market Coverage

⊕ Team Introduction

⊕ Honors & Qualifications

3
Business
Departments

931
Employees

5
Shareholding
Investment
Companies

Established in August 2011, Jiangsu Superbio Biomedical Co., Ltd. is a high-tech enterprise specializing in the research and **testing services** for **genetic sequencing** industry, with a state-recognized **forensic appraisal license** and a **medical testing license**. The company cooperates with many medical schools, forensic science centers and public security systems to provide **forensic identification** and **medical testing services** to the public. Superbio has established medical testing laboratories and forensic science laboratories in many provinces, and has introduced high-tech platforms including high-throughput sequencing, DNA criminal investigation, and tumor-targeted drug testing.



Sino-Danish Ecological Life

Science Industrial Park

- 5th floor, block A: medical testing laboratory
- 8th floor, block A: Ewin, Jiayuan
- 11th floor, block A: reagent R&D
- 15th floor, block A: administrative, personnel and financial support
- 11th floor, block B: food/drug/environment safety inspection laboratory
- 13th floor, block B: production and R&D department of public security products
- 14th floor, block B: forensic science laboratory

01

02

Chengxian

Building

- Internet Business Department
- Public Security Business Department
- Nanjing Superyears Gene Technology Co., Ltd.

Suqian

Headquarters

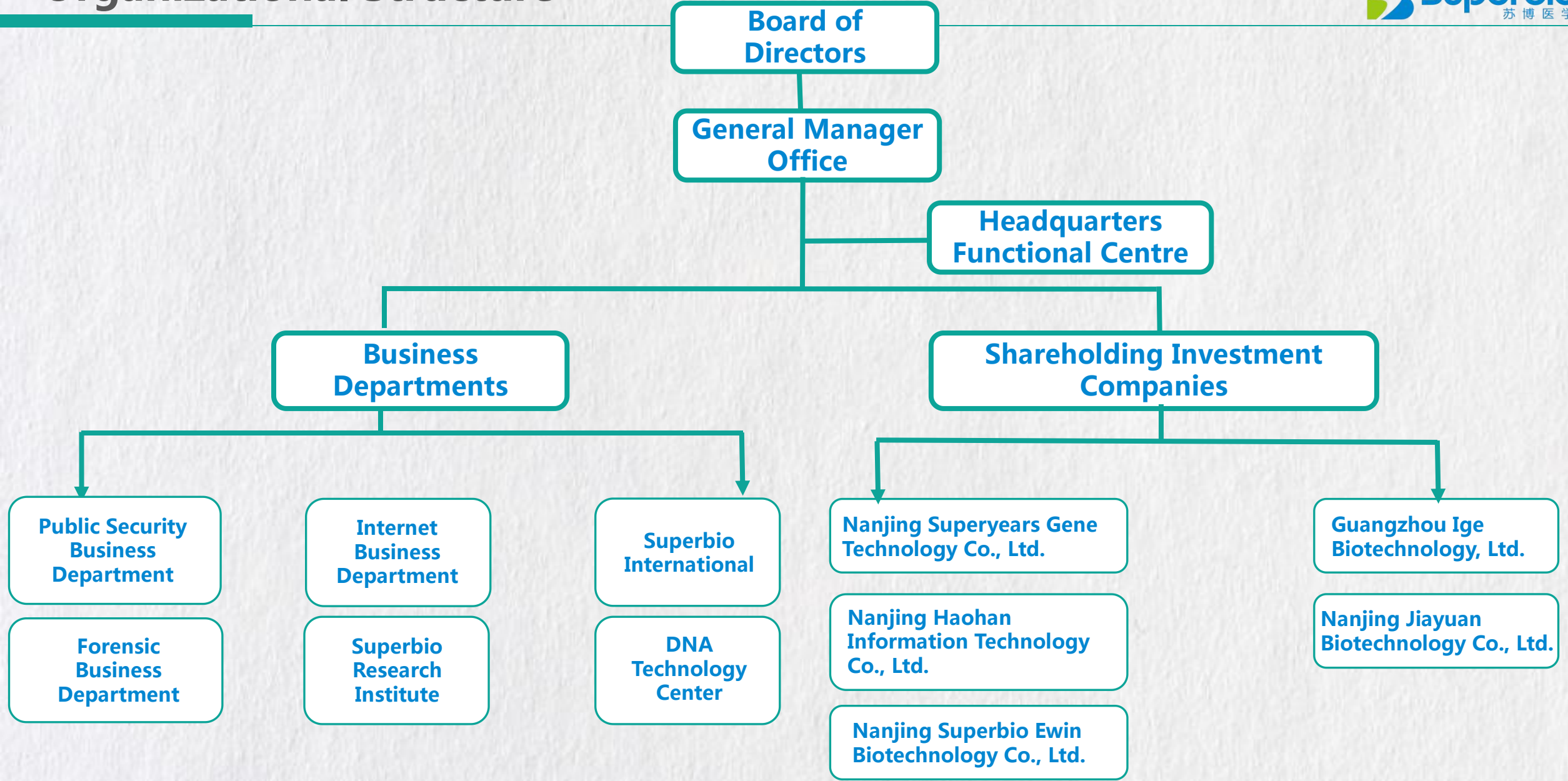
- Address: Block C3, Suqian Insurance Town
- administrative management center, procurement, logistics, and financial support departments

03

Tree House
In Preparation

04

Organizational Structure



Chief Scientist

Dr. Zhang Minghang

- Department of Molecular and Human Genetics, Baylor College of Medicine (Postdoctoral)
- Department of Microbiology and Molecular Genetics, Houston Health Medicine Center, University of Texas (Ph.D.)
- Research Direction: Clinical Diagnosis of Molecular Biotechnology

R&D Director

Dr. Su Xuefeng

- Harvard Medical School (Postdoctoral)
- Biochemistry, University of Texas (Ph.D.)
- Over 20 years of experience in medical research
- Published over 20 articles in leading foreign academic journals and magazines

Chief Technical Officer

Dr. Xiang Guobing

- Boston University (Postdoctoral)
- 20 years of working experience in gene sequencing industry
- Has led the research and development of the second and third generation of gene sequencing reagents since 1996.

Senior Researcher

Dr. Zang Ying

- Microbiology, Nanjing Forestry University (Postdoctoral)
- Rensselaer Polytechnic Institute (Visiting Scholar)
- Research Direction: Molecular Biology

■ Positioning/Vision

Positioning: **Forensic Services + Public Security Technology Solution Provider**

Vision: Make Society Safer through **Evidence Science**

■ Core Values

Customer-Centric

Strive For The Best

Persist In Hard Work

Continuous Innovation



■ Development Path

- Company established
- Started forensic services

- Self-operated forensic science center established
- Started national network layout
- Ranked 1st in judicial physical evidence in China

- Completed Round A financing
- Started independent R&D of forensic products
- Channel network began to take shape

- High-tech enterprise qualification acquired
- GA certification acquired
- Completed Round B financing
- Started new business layout

2011-2013

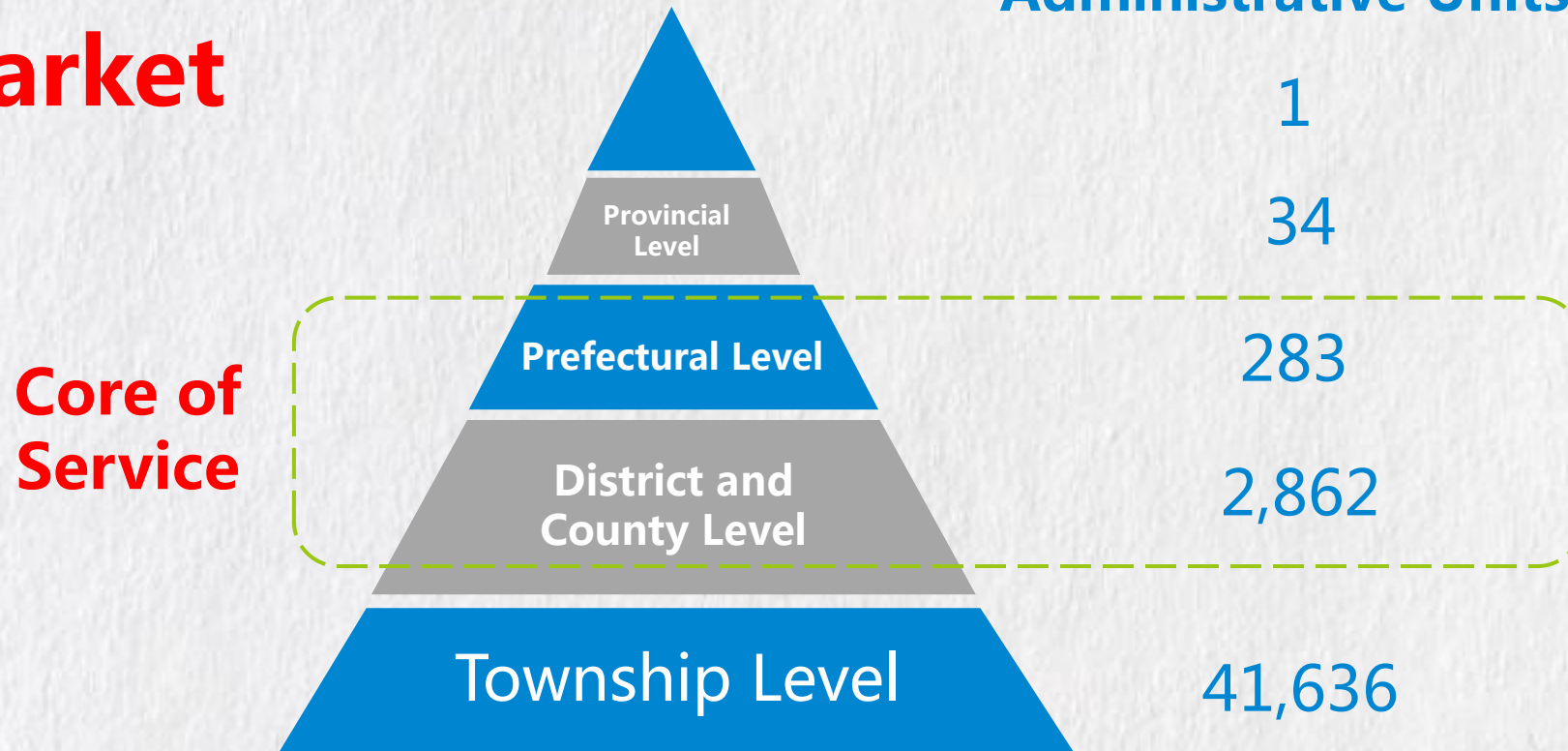
2014-2015

2016

2017

Domestic Market

Number of Administrative Units



1,600+
Long-term sample submitting districts and counties

60%
Market Coverage

Channel Advantage

- No.1** Judicial Segmentation
- 30+** Forensic Science Centers
- 200+** Technicians
- 100+** 1st Generation Sequencers



3 Major Database Construction Centers

Nanjing Database Construction Center, Guangzhou Database Construction Center, Database construction center of Southwest University of Political Science & Law (co-constructed)



A Large Number of DNA Sequencers

Eleven 3730xl, forty-two 3130XL, two 3500, two 3130, fifty-one 3100, two 377, **one hundred Honor-1616/1816**.



20+ Laboratories and 200+ Experimenters

Nanjing, Suqian, Linyi, Chuxiong, Zhaoqing, Yangjiang, Bijie, Xining, Jilin, Zhengzhou, Chengdu, Fujian, Wuhan, Tianjing, Jinchang, Xi'an, Hefei, Beihai, etc.



Introduction of Business Department

+ Forensic Business
Department

+ Internet Business
Department

+ Superbio
International

+ Public Security
Business Department

+ Superbio
Research Institute

+ DNA Technology
Center

Forensic Identification Service Provider

➤ Advantages

- One of the most qualified judicial appraisal institutions in China
- Currently has **9 categories** of qualifications
- A total of 202 judicial identification qualification certificates
- 8 self-run offices, 1 equity participation office and **25** cooperative offices

➤ Development Concept

Superbio's development is market demand-oriented. The company rapidly develops with technological innovation, striving to become the No.1 in segmented market.



3 DNA Database
Construction
Centers

20 Laboratories

1 Forensic Science DNA
Reagent R&D Center

One-Stop Solution Provider

DNA Test

Judicial DNA
Tests

Police DNA
Databank

DNA Tests for
Peace of Mind

DNA Tests at
Criminal Scene

Drug Test

Fast
Detection

Laboratory
Construction

Software
Training

Food/ Medicine/
Environment Test

Statutory
Tests

Fast Detection

Laboratory
Construction

Unmanned
Aerial Vehicle

Flight Scheduling
Management System

UAV Mounted
Module

Others

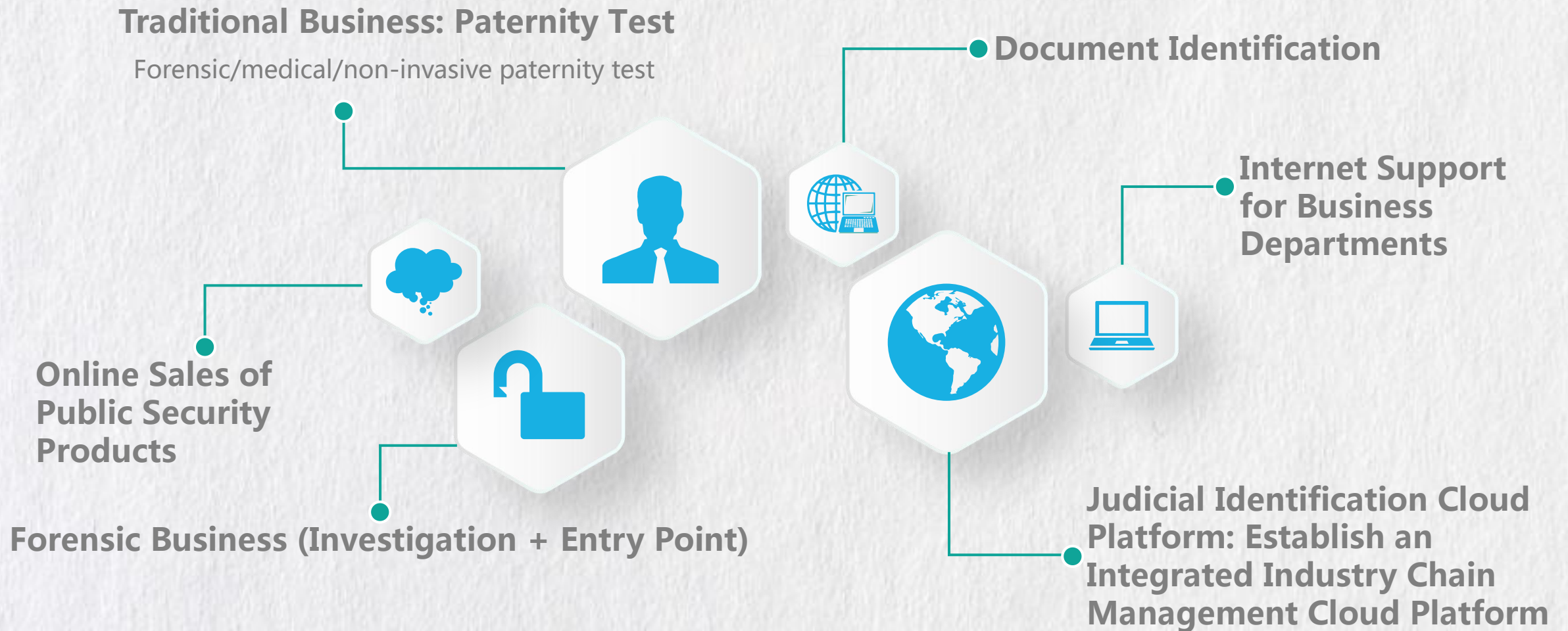
Forensic
Pathology

Document
Identification

Sound
Identification

One-stop Solution Provider for Public Security

(Mobile) Internet Platform + Judicial Identification Cloud Platform + Public Security Technology Cloud Platform (Self-Built)



Superbio Medicine is **the only company in China** that covers the **entire industry chain**.



Superbio **broke the long-term monopoly** of foreign companies in this field, and realized the localization of consumables, testing reagents, testing equipment, supporting software and analysis. It effectively **guarantees** the **security of biological information** in the process of database construction.

Overseas Market of Superbio

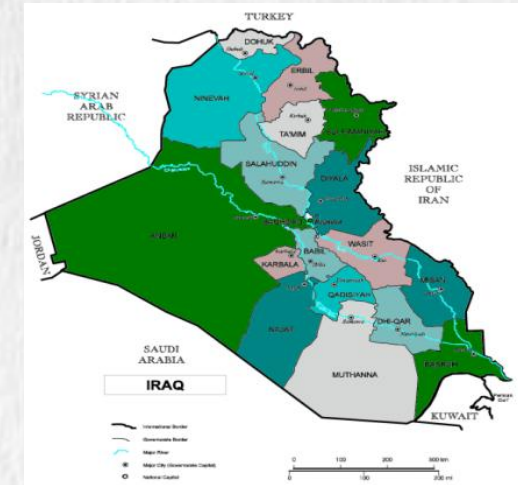
Vietnam



Russia



Iraq



Thailand



Brazil



Philippines



Research, development and production of human STR detection reagent kits based on the first generation of sequencing platform.

Forensic DNA Database Construction



Introduction of Shareholding Investment Companies

- + Nanjing Superyears Gene Technology Co., Ltd.
- + Nanjing Haohan Information Technology Co., Ltd.
- + Nanjing Jiayuan Biotechnology Co., Ltd.
- + Nanjing Superbio Ewin Biotechnology Co., Ltd.
- + Guangzhou Ige Biotechnology, Ltd.

■ Positioning/Vision

Positioning: Global Leading Manufacturer of High-end Life Sciences Instruments + High-tech Enterprises of Scientific Research

Vision: Become a 2nd Huawei in genetic industry



■ Main Business

DNA
Sequencer

Document
Retrieval
Instrument

DNA
Synthesizer

Genetic
Testing



Public Security

forensic identification, public security, criminal investigation, food safety



Medical and Health Care

Reproductive health, tumor detection, disease detection, R&D of new drugs, detection of pathogens infectious diseases



Other

Environmental detection, biological protection, biological breeding, etc.

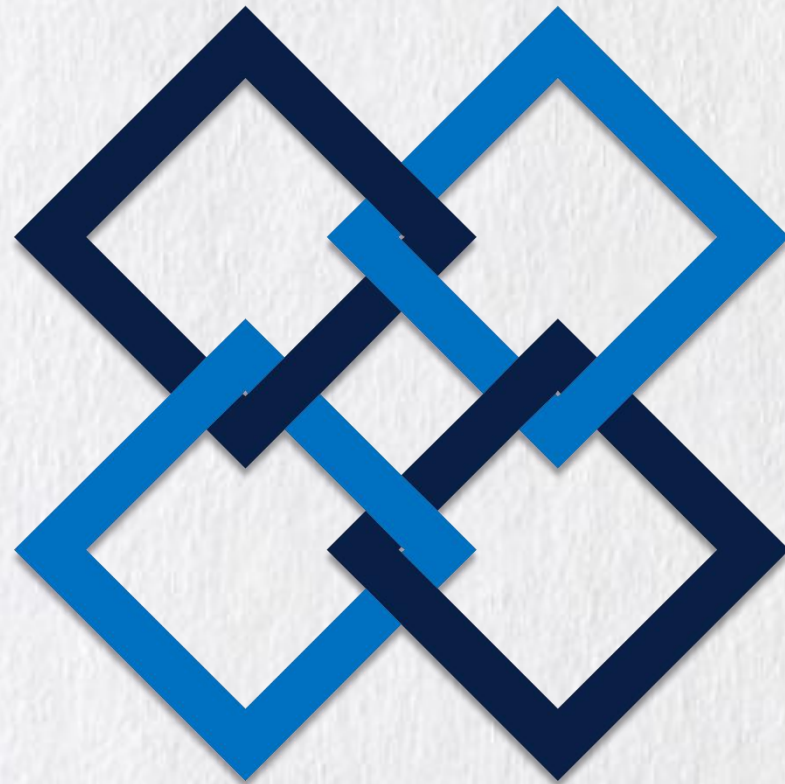
Honor 1816 Genetic Analyzer — 4 Breakthroughs

- ✓ Compressed sensing spectrum acquisition technology
- ✓ Machine learning spectrum analysis technology
- ✓ Highly integrated, fully automated analytical instrument
- ✓ **Global initiative breakthrough: 8-color fluorescence technology**

Integrated solution to autosomal + Y-chromosomal database construction

➤ Technological Superiority of Superyears Honor 1616/1816

	ABI 3500	GA118	Superyears Honor 1616/1816
Simultaneous Analysis of Fluorescent Groups	4-6	4-6	7-10. The efficiency of fluorescence excitation is 40% higher than that of foreign competitors.
Number of Dyes	6-color	6-color	6-color/8-color (Global Initiative)
Base Resolution	0.5 bp	0.5 bp	≤0.5 bp
Length of Fragment Analysis	600 bp	600 bp	800 bp
Platform Compatibility	Closed Platform	Compatible with some domestic and foreign kits	Compatible with domestic and international mainstream kits
Application Scenario	Public security, medical and health care, food and environment, scientific research	Public Security	Public security, medical and health care, food and environment, scientific research



Superbio Ewin

A company that specializes in all-round solutions for pathology. It integrates industry resources and intelligent diagnostic technology to build a pathological diagnosis cloud service platform.



Haohan Information

A company that independently researches and develops a number of criminal investigation and testing equipment. It is committed to providing information solutions and other professional services for government, enterprises and other customers through new technology.



Ige Biotechnology

A company that offers a range of research outsourcing services, including primer synthesis, DNA sequencing, gene synthesis, cloning, virus packaging, gene editing, cell line construction, in vivo imaging and high throughput sequencing.



Jiayuan Biotechnology

A company dedicated to a range of health management services such as non-invasive prenatal testing, abortus testing, non-invasive paternity testing, karyotype analysis of male/female chromosomes, and patient risk assessment.

THANKS

