Chipinfos Electronics Co.,Ltd.

An Independent Professional IC

Testing Service Provider

CIS

芯信安电子

CHIPINFOS

A brief introduction of CIS

- Established in 2017, positioned as the CDTO (Contract Development Testing Organization) model.

- A leading independent third party testing service provider in China.

- Providing testing service throughout the entire IC industry chain.

- Value added services: design verification services, wafer testing services, and finished product testing services.

- Experienced in high-end chip testing to build its core competitiveness, especially testing services in the field of complex SoC chips and complex digital-analog hybrid chips.

Development path

- Registered CIS in KunShan

- Over 100KK pcs chipsets were tested and shipped;
- Application-oriented strategy established
- Awarded as "innovative star"separately by KunShan and SuZhou government;

- Strategic layout of vehicle-level chip testing
- Expanded business in RFIC field and penetrate into wider Chinese market

2017   **2018**   **2019**   **2020**   **2021**   **2022**

- Mass production and shipment started
- Passed ISO9000:2015 certification
- Awarded as "KunShan Innovation Angel"

- Firmly implemented import substitution strategy with vendors and customers
- Awarded as "High Technical Company

- IATF16949 certified;
- Shanghai high performance Lab established
- Suzhou 2nd plant started

Certificates

Testing based Ecosystem
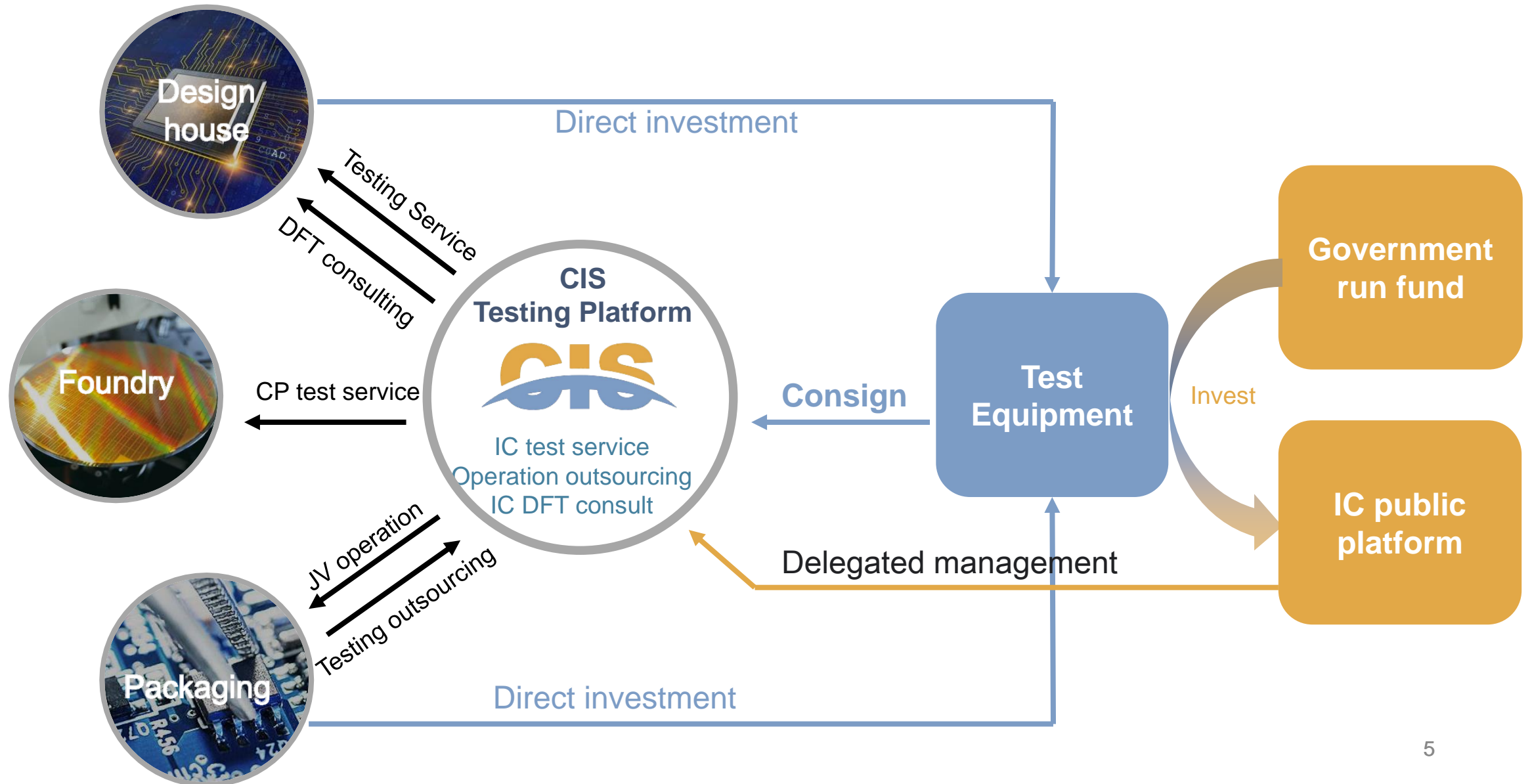
Focusing on High-end chip

Simple digital IC

LED driver

Power switch

Coder/Encoder

Pure analog chip

Analog switch

PMIC

Complex SOCs

AI chip

Complex mixed-signal chip

RF tranciever

SerDes
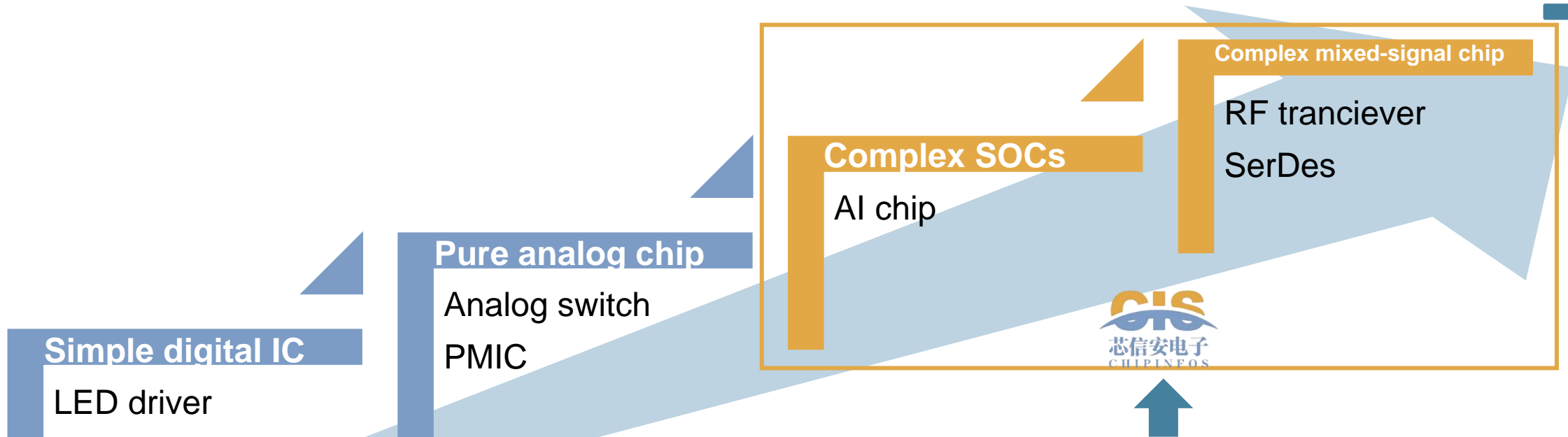
The only third-party independent chip in China positioned in the field of high-end chip testing, planning and layout around the test requirements of **automotive-grade chips, high-end digital chips (AI chips, etc.), high-end analog chips (signal chain, etc.), and high-end RF chips** (millimeter wave, etc.). test service company

Service scope

Customers

Design House

Foundry

Packaging Company

Test solution	Test program development	Hardware design	Mass production	Supply chain service
• DFT consulting • Test solution design • Test related document development	• Test program development • Cross platform conversion • Imbedded software/firmware development	• FT loadboard design • CP prober card design • Testing data service • Imbedded software/firmware development	• FT/CP mass production • Test data servcie	• Warehouse service • Shipment service

Shanghai HPL

CIS function base

Factories

Founders

**Wang, Yang
Founder
CEO**

- Master, EE Fudan University
- Over 18 years working experience for SoC testing, RFID and IoT
- Leading testing solution development for several SoCs in Teradyne Inc.
- Former vice-president of Quanray Electronics

**Qixin Chen
Co-founder
CMO & Sales**

- Master, EE Fudan University
- Over 18 years engineering and management experience in Broadcom, Verigy and Agilent, supporting global customers.
- Former operation head of Broadcom China

**Liang Li
Co-Founder
CTO**

- Master, EE Shanghai Jiaotong University
- Over 17 years experience as testing expertise in Advantest, Broadcom, Verigy, supporting pilot customers such as Huawei, RDA, etc.
- Former Broadcom testing scientist and owner of testing IPs
- Former chief of expertise(COE) in Advantest

Key Staff Pillars

Customer Needs

Shanghai Lab *Kunshan Factory* *Suzhou Factory*

Engineering Team

Experienced test engineer team with engineers from Broadcom, Teradyne and Advantest
10+ TE team by end of 2022

Operation Team

Strong operation team with key members from STATS-CHIPACS and JCET
8+ experienced PE team

Equipment Team

Experienced equipment team ensuring that all machines to meet production target

Experienced technical Sales Team & other support team

Service model workflow

Customers
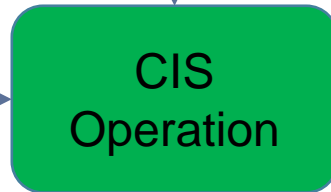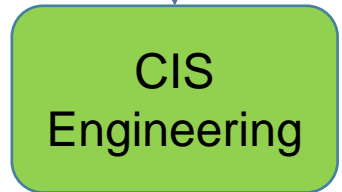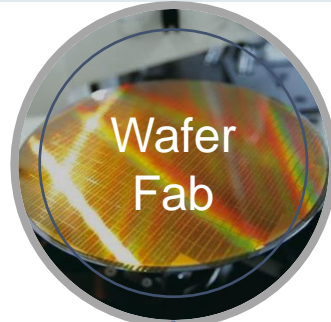
CIS Function team

CIS Base

Design House

Wafer Fab

Packaging Company

CIS Engineering

CIS Operation

Shanghai Lab

Factories

CIS Main Base

Shanghai Lab

- **Main purpose**
  Engineering center/Training center
  Customer verification base/Mini-production base
- **Area**
  1,200m^2
- **Equipments**
  3+ UltraFlex/UlraFlex+
  2+ J750/J750HD
  2+ ETS88/800
  1+ T800C
  2+ P&P handler(Tri-temp)

KunShan Factory

- **Main purpose**
  FT production base, IATF16949 certified
- **Area**
  2,000m^2
- **Equipments**
  50+ test&handler
  Tester installed: ETS88, J750HD, D10, Chroma 3380, T800, S200 , Acco etc.
  Handler installed: P&P, gravity, turret platform, lead scanner etc.

SuZhou Factory

- **Main purpose**
  CP & FT production base, High end CP/FT base
- **Area**
  7,000m^2
- **Equipments**
  200+ tester/handler/prober
- **Ready for production in October,2022**

Zhuhai Factory

- **Main purpose**
  CP & FT production base
- **Area**
  15,000m^2
- **Planned to be ready in 2023**

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CIS Capability Matrix

Tester

UltraFlex/UltraFlex+

J750/J750HD

D10

Chroma 3380D/P

T800

S200

ETS-88

AccoTest

Handler

Turret platform
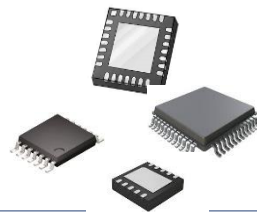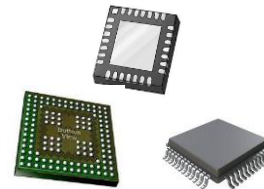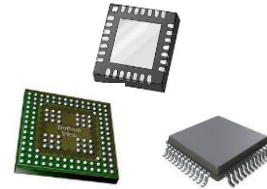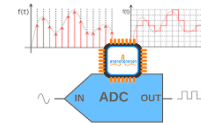
Gravity handler

Tri-temp P&P handler

Package

Apps

Wi-Fi 6 CERTIFIED

5G

Wi-Fi

HDMI

AI

Bluetooth

RFID

MCU

IoT

ADC
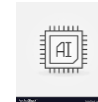
Customers

天数智芯

artosyn 酷芯微电子

Enflame

artosyn 酷芯微电子

SENSCOMM

CONNTEK 昆泰芯微电子

PHY+

CHIPONE 集创北方

Quanray Electronics

mi

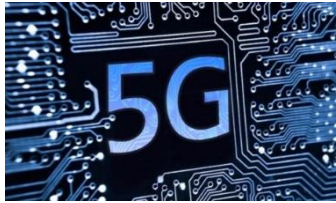bETA SOLUTIONS

ALPHA & OMEGA SEMICONDUCTOR

Application oriented & customized solutions

RF Wireless

Millimeterwave Sensor IC Testing Solution

- To replace NI solution with ~50% cost reduction

3 customers have been offering RFICs for multiple IoT equipment vendors

IPM & Power IC

Specific CP Testing Solution

- To provide complete new testing platform for one global pilot driverIC vendor

Over 20Mpcs testing quantities per month from this year

Sensor & HPMS

Auto-level Pressure Sensor Calibration +Testing

- To penetrate into auto-level IC testing solutions

Have served one of the major TPMS IC vendors in China, who is the qualified IC vendor for BYD

Complex SoC

Testing + Configuration Services

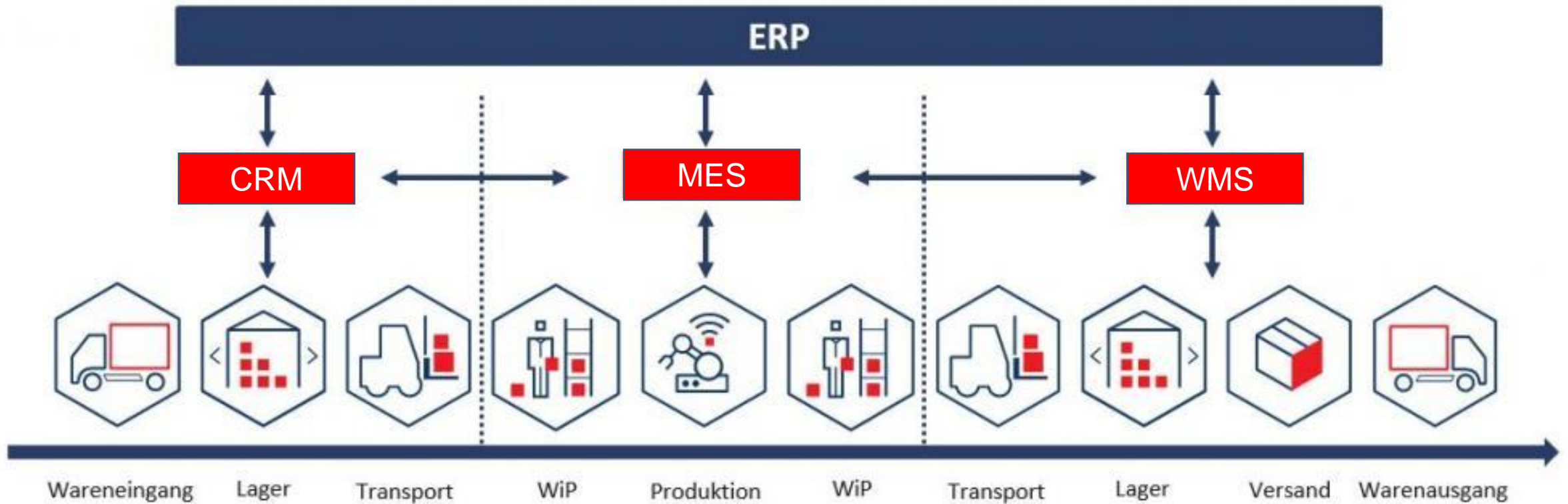- **To Develop Testing Solution**
- To satisfy diversified queries

Have served one leading US-based IC design house, who has been qualified vendor for companies like DELL

CIS is the leading independent testing service vendor targeting at high end markets, such as automotive level chipsets, high end digital SoCs (ex.: AI chipsets), high performance mixed signal ICs, high end RFICs (ex.: millimeterwave ICs)
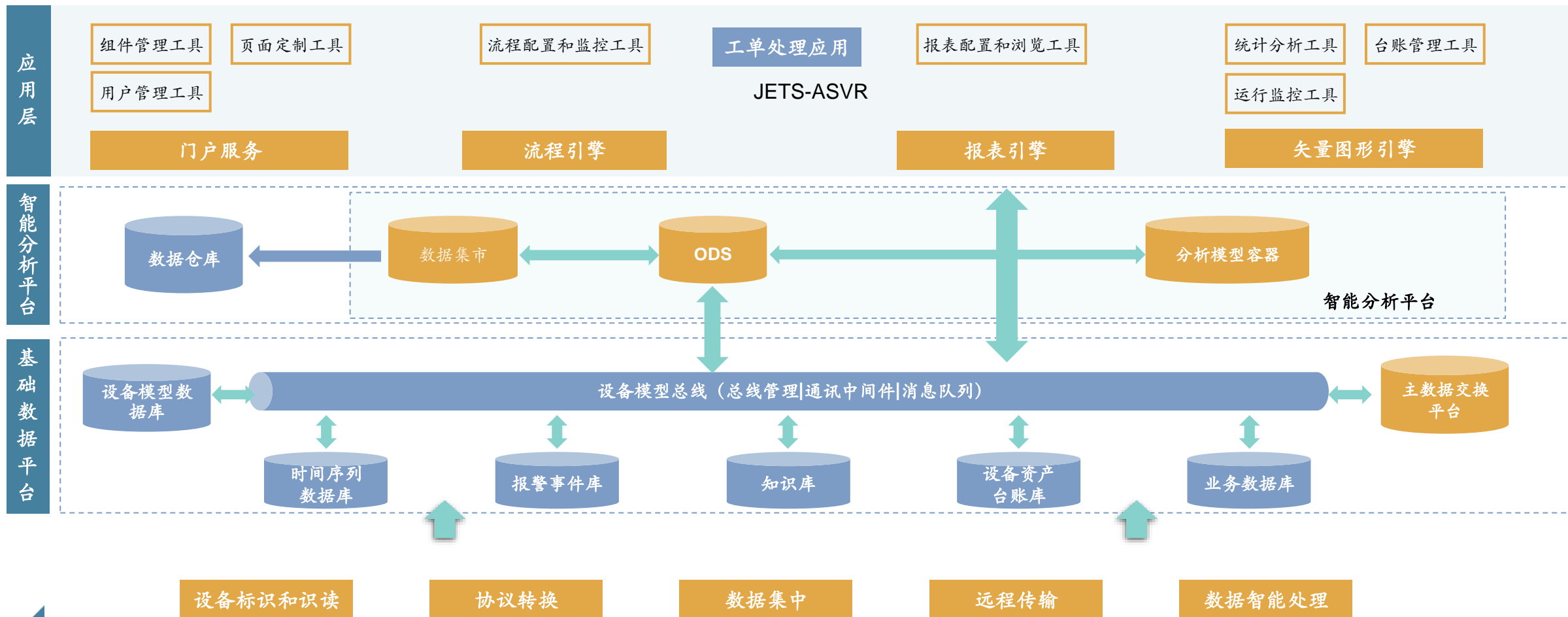
CIS Leading Strategic Focus

➢ High performance and complex SOC

- AI

- 5G

- SerDes

➢ Vehicle-Level testing base

- The only IATF16949 certified test-only supplier

- More certified service provided for vehicle level chips

➢ Strong test engineering team

- Shanghai based experienced team

- Global training center in Shanghai HPL

ERP/MES/WMS System Hierarchy

System applications

Thanks!