

SHENZHEN CARSOUL TECHNOLOGY CO., LTD.

Comprehensive solutions for professional ADAS & smart in-vehicle electronics

EST. 2018 · SHENZHEN, CHINA

COMPANY PROFILE

Who We Are

Founded in 2018, Shenzhen Carsoul Technology Co., Ltd. focuses on leading technologies and products for autonomous driving and Advanced Driver-Assistance Systems (ADAS). Our main products include OE-fit vehicle wireless chargers, 360° panoramic (AVM) cameras, ultrasonic radar and millimeter-wave radar.

With years of OEM / ODM development experience, an in-house high-precision mold factory and a high-speed imported SMT line — supported by a team of senior structural and electronic engineers — we deliver mass-production speed and quality that exceed customer expectations.

2018
Founded

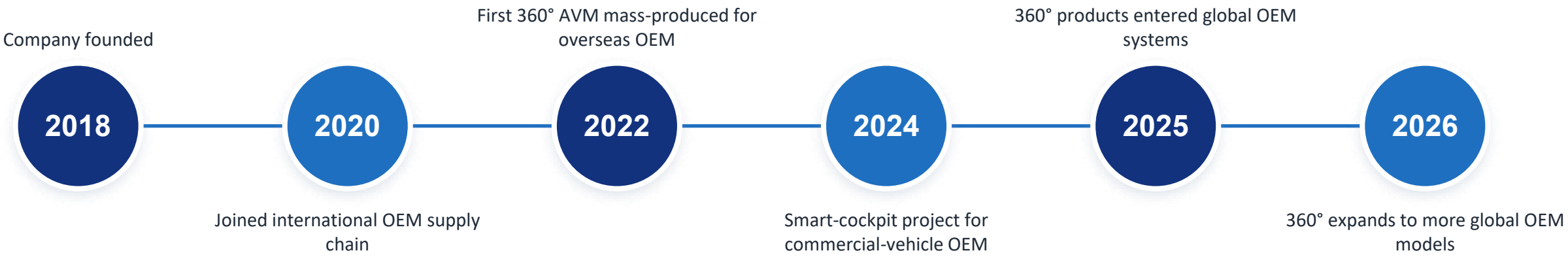
Shenzhen
Manufacturing base

200+
Vehicle-specific models

10+
Automaker customers

MILESTONES

Our Growth Path



OUR STRENGTHS

Why Choose Us



Quality Assurance

Professional in-house production with strict, full-process quality control.



Cost Advantage

Direct factory pricing keeps your landed cost competitive.



OEM / ODM

Flexible OEM & ODM to meet varied customization needs of the market.



Reliable Supply

Strong mold & electronics capability keeps mass-production fast and on time.

CORPORATE CULTURE

What Drives Us



Business Philosophy

Technology-leading; winning through quality and speed.



Mission

Deliver the best user experience and create value for our customers.



Vision

Safe driving and smart life — a China-based, world-oriented technology leader from assisted to autonomous driving.

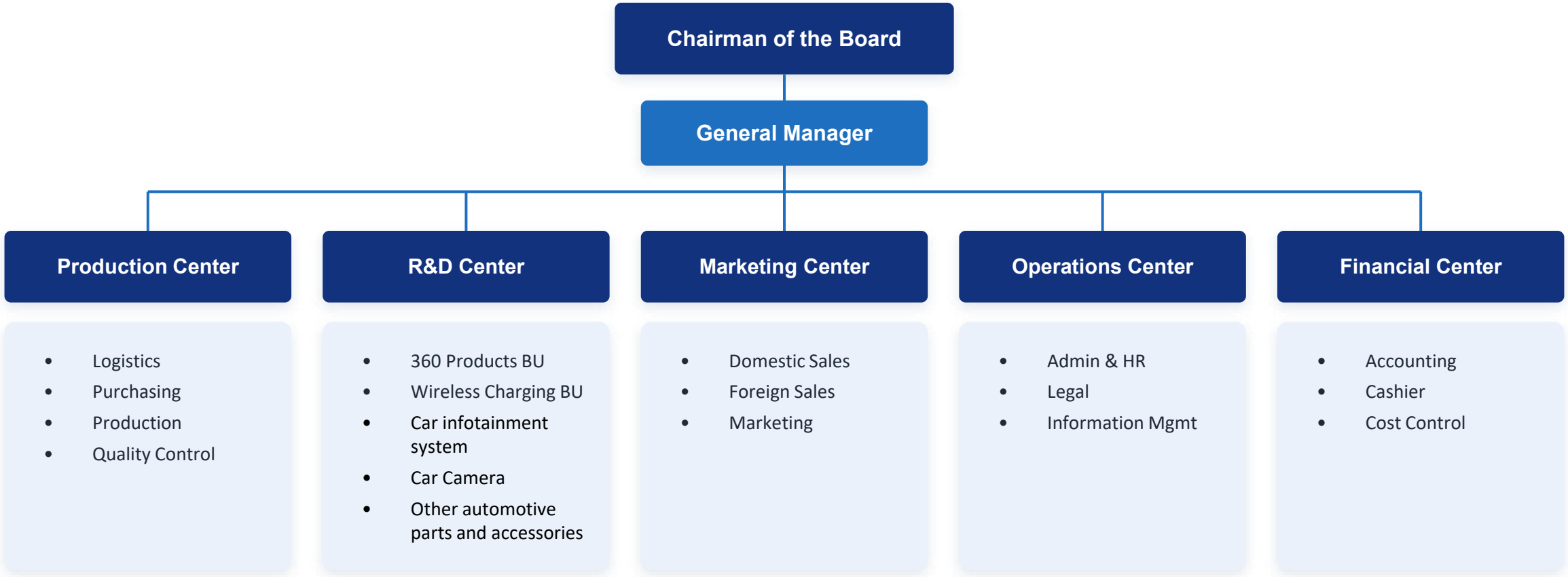


Core Values

Customer-first · Innovation · Collaboration · Win-win together.

ORGANIZATION

Organizational Structure



PRODUCTS

Product Portfolio

Vehicle Wireless Charger

OE-fit, automotive-grade, 200+ models

360° Surround View (AVM)

Panoramic camera & parking systems

Millimeter-Wave Radar

Dual-mode parking + ADAS, 76–77 GHz

Ultrasonic Sensor

USS 2.0, longer range & faster refresh

ADAS Cameras

1MP / 2MP / 8MP camera roadmap

ADAS Solutions

Perception, decision & 3D stitching

AVM Panoramic Systems



Global mass-production

Industry-leading AVM with many mass-production cases worldwide.

Broad platform support

Compatible with Qualcomm, TI, QNX, Linux and Android SoCs.

Full customization

Requirements analyzed from customer SOR to deliver tailored solutions.

OEM SERVICE CASE · 360° AVM

360° AVM in Mass Production

Honda City (Sedan/Hatch)
Malaysia · 2D 360° AVM

Mass production

Honda HR-V
Malaysia · 360° AVM

Mass prod. 2026

Honda Civic RS
Malaysia · 3D 360° AVM + 3D model

Honda approval

Isuzu D-Max
2D / 3D 360° AVM

Delivered

Isuzu Truck
Cameras & 7" head unit (12/24V)

Delivered

Why our 360° AVM wins

- Integrates with the original head unit — no need to replace the original audio.
- Plug-and-play socket — no wire tapping.
- OEM-type casing & quality; AHD 720p / 1080p input; auto-calibration.
- IP67 waterproof (RTV silicone potting).
- Contactless CANbus (e.g. Civic RS); parking line can be turned ON / OFF.

PRODUCT · VEHICLE WIRELESS CHARGER

12 Charging-Safety Protections

3-YEAR WARRANTY

- Overcharge
- Over-discharge
- Over-current
- Over-voltage
- Over-power
- Short-circuit
- High-temperature
- Electromagnetic
- Reverse-polarity
- Core PTC
- Restoration
- Safety-valve

Specifications

Standard	Qi WPC 1.2
Working temp.	–30°C – +80°C
Input voltage	9–16 V
Transmit power	15 W
Efficiency	>80%
Frequency	110–205 kHz
Output	9V / 1.1A
Coils	3
Certification	CE / FCC / ROHS / Qi

Automotive-Grade vs. Consumer-Grade

	Automotive Standard (Carsoul)	Consumer Standard
Coil / turns	**A6 · 12 turns**	A28 · 9 turns
Charging area	**Large, no blind spot**	Small, with blind spot
Conversion rate	**≥80%**	≤73%
Input voltage	**9–16 V (wide)**	5–9 V
Working temp.	**–40°C – +85°C**	0°C – +60°C
Circuit protection	**Over-voltage / current / temp. / reverse**	None

PRODUCT · VEHICLE WIRELESS CHARGER

200+ Vehicle-Specific Models

Custom OE-fit wireless chargers, tooled to each vehicle model — plug-and-play, no blind spot, no rework. Proven mass-production for Toyota, Nissan, Honda, Isuzu and more.





















200+ models available

ONE-STOP SERVICE

Custom Auto-Parts & Accessories

Beyond our core products, we provide one-stop OEM / ODM customization — whatever a customer needs, we design, tool and mass-produce it.

Trunk cargo covers

e.g. Honda tonneau / parcel shelf

USB & charging ports

e.g. Isuzu D-Max USB port

Cameras & brackets

OE-fit cameras, mounts & housings

Wire harnesses

Plug-and-play custom harnesses

Interior trim parts

Model-specific panels & fascia

Custom electronics

Bespoke modules & control boards

Any customer requirement — design · tooling · mass production, all in-house.

Millimeter-Wave Radar & Ultrasonic Sensor

Millimeter-Wave Radar (ZM-SDR1)

- Dual-mode: low-speed parking + high-speed ADAS scenes.
- 76–77 GHz imaging with high detection rate & point-cloud output.
- Outputs: point cloud · target · function — leading performance in China.





Ultrasonic Sensor (USS 2.0)

	USS 1.0	USS 2.0
Max range	4.5 m	**5.5 m**
Refresh rate	<200 ms	**<100 ms**
Emission coding	AM	**Chirp & AM**
Blind area	15 cm	**10 cm**

Accreditations & Certifications

OEM Laboratory Accreditation

Recognized as a qualified supplier / lab by major automakers:

FAW · Geely · BAIC · SAIC · JMEV · HiPhi · Changan · Dongfeng · Seres · JAC · Li Auto



OEM CUSTOMERS

Trusted by Global Automakers

INTERNATIONAL AUTOMAKERS

Suzuki	Toyota	Honda	Isuzu	Nissan	Fuso
SUZUKI	TOYOTA		ISUZU	NISSAN	FUSO

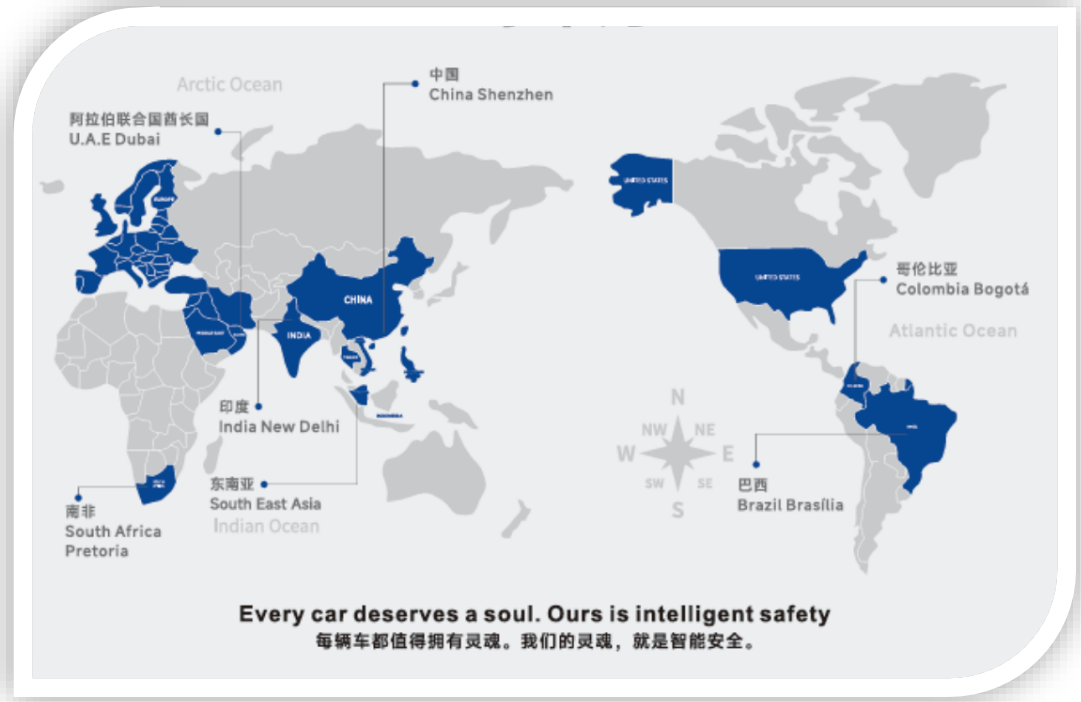
CHINA AUTOMAKERS

Hongqi	Changan	Geely	BAIC	SAIC	Great Wall
BYD	Li Auto	Voyah	JAC	HiPhi	Niutron

Empowering global automakers and partners · insert official logos from your licensed brand assets.

OVERSEAS MARKET

Global Footprint & OEM Cases



Markets: UAE (Dubai) · India · Malaysia · Vietnam · Singapore · Egypt · South Africa · Colombia · Brazil

Partner brands: Toyota · Honda · Nissan · Suzuki · Mitsubishi · Isuzu

- **Toyota Vios**
  Singapore · PDI project
- **Nissan Patrol**
  Dubai · PDI project
- **Toyota RAV4**
  Dubai · PDI project
- **Toyota Hilux**
  Egypt
- **Toyota Camry**
  Blaupunkt (brand OEM)

ENTERPRISE ADVANTAGE

Manufacturing Base

A national high-tech enterprise integrating R&D, production and sales — lean management under an ISO 9001 quality system, with 24-hour professional testing lines.



- High-speed imported SMT line
- High-precision mold factory
- Camera AA automatic line
- ECU assembly
- Radar & ultrasonic assembly
- 24-hour in-line testing

ENTERPRISE ADVANTAGE

R&D & Professional Test Labs

Independent development laboratories and a global test center, staffed by R&D engineers with 10+ years of automotive experience.

- Hot & cold shock
- EMC / electrical
- Climate simulation
- Damp-heat cycle
- Vibration & impact
- Dust-proof
- Salt-spray
- mmWave darkroom
- Wireless-charging bench
- Ultrasonic test cabinet
- 3-in-1 test bench
- Image lab

ENTERPRISE ADVANTAGE

Technical Superiority

Vision & Multi-Sensor Fusion

3D calibration, re-projection error <1px.

Positioning & Mapping

Indoor / outdoor multi-sensor fusion.

HD Map

Lane-level, high accuracy, fast transmission.

Parking Planning & Control

Small deviation, optimal guide-line generation.

Middleware

Mass-production-oriented open-source integration.

Wireless Charging

High-efficiency transmission, >92% average.

Camera Structural Design

Optical-axis stability within 6px lifecycle.

Millimeter-Wave Radar

76–77 GHz imaging, leading in China.

Ultrasonic Radar

260-target coverage, refresh <100 ms.

FUTURE PROSPECTS

Where We Are Headed

1

One Positioning

A trusted all-round service provider for intelligent assisted driving.

2

Two Engines

All-round, one-stop self-operation.

3

Three Forces

Product strength · professional strength · service strength.

4

Four Goals

Brand awareness · customer satisfaction · market support · growth.

CONTACT US

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Every car deserves a soul — ours is intelligent safety.

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Looking forward to working with you

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