

**ATIC**

One-Stop Service

# A Testing, Inspection, Certification Company

[www.atic-cn.com](http://www.atic-cn.com)



# About ATIC

**ATIC**

## Offices

📍 Kaide Financial Center, Guangzhou



📍 IFS, Chongqing



📍 Suzhou Center, Suzhou



📍 IFS, Changsha



## 100+ Key Accounts

Including NIO, XPENG, SAIC, GEELY, BYD, GWM, GAC, smart, LOTUS, RIMAC, ASPARK, SILKFAW, HUAWEI, CATL, SVOLT, etc.

## Team

Established in 2015, ATIC now operates one of the biggest automotive homologation team in China. Our engineers are outstanding experts from different fields, some are experts in automotive or mechanical engineering, some are experts in computer science, autonomous driving, chemistry or psychology, etc. All experts collaborate to work on various complex tasks for our customers.

## Digital System

We developed our own digital system that enable systematic, centralized, and digital management of customers, products, services, processes, R&D, and partners. Quality and efficiency are greatly improved.

## 7000+ Clients Served

Our client database contains 7000+ manufactures that we ever served. We strive for perfection in every task and value every opportunity to work with our customers.

## 50+ Countries Service Covered

Our TIC service covers more than 50 countries/regions based on solid authorization or cooperation with authorities, certification bodies and laboratories worldwide.



## Compliance

- Regulation Research
- Compliance Planning
- Technical Review
- Certification Solution and Management
- Global Vehicle Regulation Database (GVRD)
- Q&A and Training



## Certification

- EU Homologation (e4, e5, e13, e24, e49)
- National Homologation (CCC, INMETRO, CMVR, ABE, DOT, ADR, etc.)
- Initial Assessment (IA, FA)
- Conformity of Production (CoP)
- Document Review



## Testing

- EV/HEV Safety Testing
- Traction Battery & Motor
- ADAS & Autonomous Driving
- Cybersecurity
- Components Testing
- Virtual Test



## Inspection

- Factory Audit and Sampling
- Pre-Shipment Inspection (PSI)
- Used Car Inspection
- Digital Quality Management System (DQMS)

# Full-lifecycle Compliance Management



Accurately identify compliance goals based on products, enabling proactive, low-cost, low-risk, full-lifecycle compliance management.





# Market Access Solutions

ATIC provides **50+** countries/regions compliance and market access solutions.

## European



Our compliance service covers new GSR, like Cybersecurity, Software Update, and Functional Safety, GDPR, REACH, RED, ADR, Battery Regulation, etc. Besides, ATIC experts are authorized inspectors under European type approval authorities to provide homologation services.

## America



Manufacturers may be subject to substantial civil penalties for failure to meet the requirements of the statutes and regulations that NHTSA administers. Our compliance service covers FMVSS, EPA/CARB, SAE, APTA, IIHS and states' regulations.

## Japan



Japanese automotive regulation system is sophisticated and well worth learning. ATIC provides comprehensive compliance services including regulation study, training, technical review, testing and homologation.

## Korea



Service covering safety certification, environmental certification, labeling, subsidy testing, components certification, Deliverable includes research reports, regulation database, training and Q&A reports.

## India



Since 1991, Indian CMVR require motor vehicles and their components to be type approved in accordance with the CMVR regulations. we can provide systematic research report, training, Q&A and type approval services.

# Multinational Homologation Solutions

ATIC provides more than **28+** categories' system, separate technical unit, component multinational compliance and homologation solutions.

## Traction Battery

Europe, the United States, Japan, Korea, China and India have a comprehensive electric vehicle homologation system. Emerging markets such as the Middle East, Indonesia, and Thailand are gradually developing electric vehicle standards. Our service includes multinational regulations identification, comparison, training and Q&A.



## CNG/LPG

Many countries established homologation procedures for clean energy applications. ATIC team has accumulated many years homologation experience in this area. We are now providing comprehensive services including multinational regulations identification, regulation comparison, training, Q&A, testing and homologation.



## Brake System

Brake lining, brake pads and shoes, brake discs are critical safety components. Many countries established compulsory certification scheme for both original and replacement parts. Our solution including regulation consulting, training, testing and certification covering all the relevant countries worldwide.



## Tires

Tires are required for mandatory certification in many countries. Many countries are also introducing labelling requirements with regard to fuel efficiency, wet grip and external rolling noise of tires. ATIC provides multinational compliance and homologation services for tires, especially for emerging markets.



## IoV

In-vehicle communication system is more and more important in internet of vehicle systems. Both automotive and telecom regulations need to be considered. Relying on our professional team and regulation database ATIC provides homologation, training and consulting services covering more than 170 countries.



# New Technology Homologation Solutions

ATIC experts are authorized by several European authorities covering M/N/O/T/L/NRMM vehicle categories, and have taken the lead in completing regulation research, test plan preparation, test case execution, and type approval application for the following new technologies.

## BSIS/MOIS

Blind Spot Information and Moving Off Information System

The UNECE officially announced technical regulations UN R151 related to the Blind Spot Monitoring System and the technical regulations UN R159 related to the Moving Off Information System. Both regulations have come into force.

## CSMS/SUMS

Vehicles Cybersecurity and Software Update

UNR155/156 require that measures be implemented to manage vehicle cyber risks, secure vehicles by design to mitigate risks along the value chain, detect and respond to security incidents across vehicle fleet, prove safe and secure software updates and ensure vehicle safety is not compromised.

## DDAW

Driver Drowsiness and Attention Warning System

Driver Drowsiness and Attention Warning (DDAW) systems monitor a driver's level of drowsiness and alert the driver through the vehicle Human Machine Interface (HMI). Any processing of personal data in DDAW system shall be carried out in accordance with Union data protection law.

## ADDW

Advanced Driver Distraction Warning System

Regulation (EU) 2019/2144 (new GSR) requires that to prevent visual distraction-related crashes, the regulation mandates the implementation of Advanced Drivers Distraction Warning (ADDW) systems for new types of vehicles from 2024.

## ISA

Intelligent Speed Assistance

On June 23, 2021, the European Commission adopted the final draft regulation for the ISA Intelligent Speed Assistance system. On November 17, 2021, the regulation was officially published as Regulation No. (EU) 2021/1958.



Training



Checklist



Test plan



Technical Q&A

# New Technology Homologation Solutions

ATIC experts are authorized by several European authorities covering M/N/O/T/L/NRMM vehicle categories, and have taken the lead in completing regulation research, test plan preparation, test case execution, and type approval application for the following new technologies.

## ELKS

### Emergency Lane Keeping System

The new GSR Regulation 2019/2144 stipulates that from July 6, 2022, all new type of M1 and N1 vehicles must install the Emergency Lane Keeping System (ELKS) and comply with Regulation (EU) 2021/646. ELKS is a driving assistance system that should warn the driver and correct the trajectory when the driver accidentally leaves.

## AEBS

### Advanced Emergency Braking System

Automotive AEBS system is also known as Advanced Emergency Braking System. According to the new framework regulation of EU 2019/2144, starting from July 6, 2022, all new M1, N1 type vehicles entering EU market in unlimited series shall equipped with Car-to-Car AEBS function.

## ADAS

### Advanced Drive Assist System

According to the UN R79 regulation, vehicles equipped with ACSF, CSF, and ESF functions need to be tested and obtain type approval certificate of R79 before entering EU market.

## BattG

### Batteries Regulation

Regulation (EU) 2023/1542 of the European Parliament and of the Council of 12 July 2023 concerning batteries and waste batteries, amending Directive 2008/98/EC and Regulation (EU) 2019/1020 and repealing Directive 2006/66/EC. The implementation date is February 18, 2024.

## VECTO

### VECTO/HDV Emission Simulation

Due to the diversity of configurations and testing challenges associated with HDVs, the EU has opted for a computer simulation-based approach, known as VECTO (Vehicle Energy Consumption calculation TOol), to determine emissions and energy consumption.



Training



Checklist



Test plan
















Technical Q&A



# Multinational Homologation Solutions



Example: Wheel Multinational Homologation Solution

	EU		NORTH AMERICA		JAPAN		SOUTH KOREA	INDONESIA	VIETNAM	INDIA	UAE	BRAZIL	ARGENTINA
Certification													
	EMARK	EUWA	DOT	AMECA	JWL	VIA	KC	SNI	VR	CMVR	EMSA	INMETRO	CHAS
Authority	Ministry of Transportation of member states of 1958 Agreement	Association of European Wheel Manufacturers	United States Department of Transportation	Automotive Manufacturers Equipment Compliance Agency	Japan Ministry of Land, Infrastructure, Transport and Tourism	Japan Vehicle Inspection Association	Korea Ministry of Land, Infrastructure and Transport	Indonesia Ministry of Industry	Vietnam Registrar	The Ministry of Road Transport, Highways	Emirates Authority for Standardization and Metrology	National Institute of Metrology, Standardization and Industrial Quality	Argentina National Directorate of Industry
Testing Location	China	China	China	China	China	Japan	China/Korea	Indonesia	Vietnam	India	China	China	China
Conformity of Production	Initial Assessment + Conformity of Production	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	Factory Audit + Surveillance Audit	Factory Audit + Surveillance Audit	Factory Audit + Surveillance Audit	Factory Audit + Surveillance Audit	Factory Audit + Surveillance Audit	Factory Audit + Surveillance Audit
Regulation/Standard	ECE R124	EUWA ES	FMVSS 110 FMVSS 120	SAE	Security Standard for Automotive Public Road Transport	Security Standard for Automotive Public Road Transport	KMVSS	SNI 1896: 2008 SNI 4658: 2008	QCVN 78: 2014 /BGTVT QCVN 46: 2012 /BGTVT QCVN 44: 2012 /BGTVT	IS 9436-1980 IS 9438-1980 AIS 073	UAE.S GSO ISO 3894 UAE.S / GSO ISO 4000	Ordinance No. 445	IRAM-AITA 8A1:1992
Testing Items	Rotating bending test Rolling test Impact test Corrosion test	Rotating bending test Rolling test Impact test Corrosion test	Rotating bending test Rolling test Impact test Wheel/hub biaxial fatigue test	Rotating bending test Rolling test Impact test Wheel/hub biaxial fatigue test	Rotating bending test Rolling test Impact test	Rotating bending test Rolling test Impact test	Rotating bending test Rolling test Impact test	Rotating bending test Rolling test Impact test	Rotating bending test Rolling test Impact test Air Leak Test Shearing Test Static Unbalance test	Rotating bending test Rolling test Impact test Air Leak Test	Rotating bending test Rolling test	Rotating bending test Rolling test Impact test Salt spray test Air Leak Test	Rotating bending test Rolling test Impact test Corrosion test

# Multinational Homologation Solutions

ATIC Digital Customer Platform includes **16,000+** regulations and homologation procedures covering **50+** countries/regions.

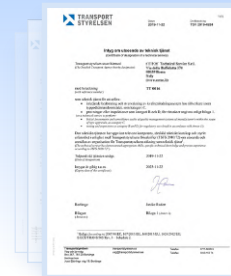
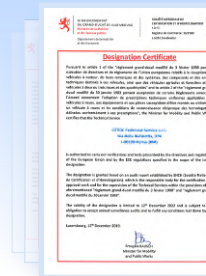
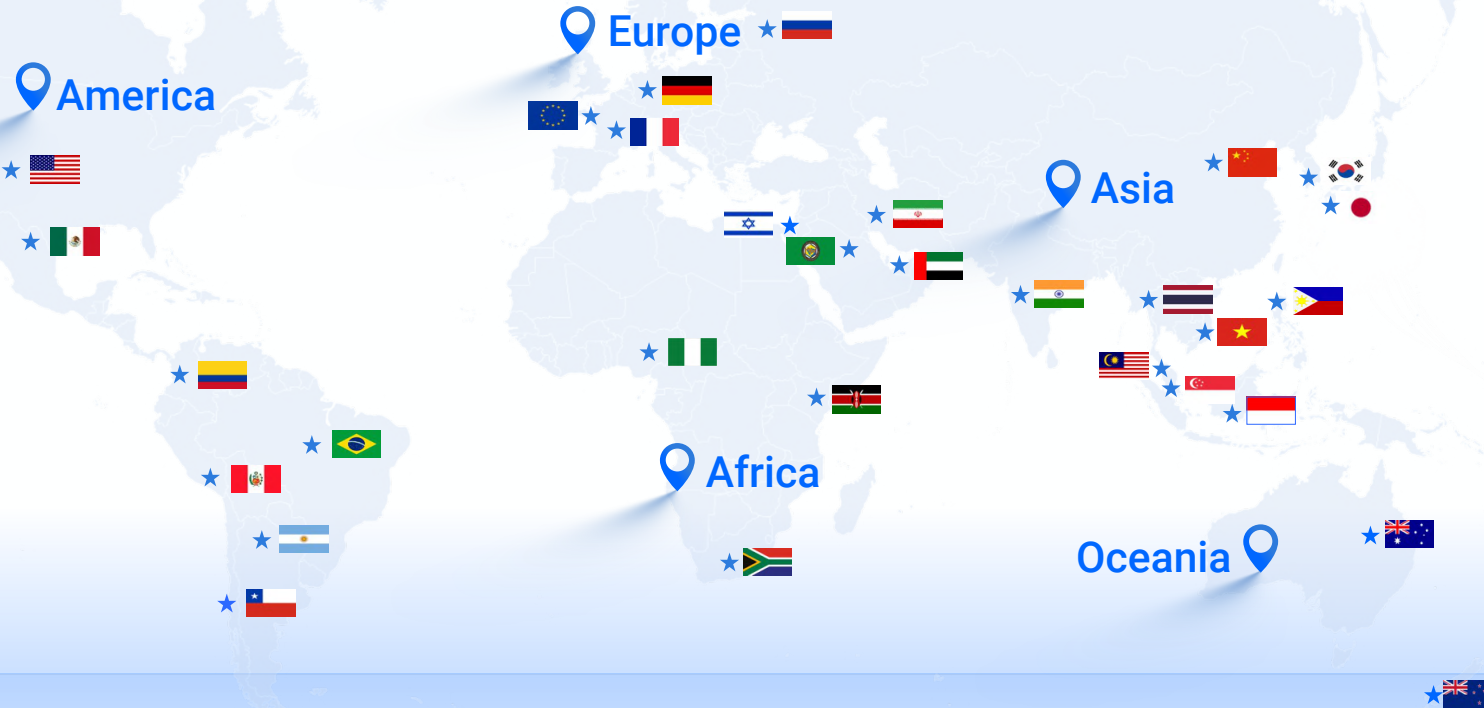
Digital  
Customer  
Platform



# Certification Service

ATIC

ATIC has established authorizations or partnerships with more than **50+** countries/regions' authorities, certification bodies and national laboratories.





# Testing Service

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ATIC experts witness testing in more than **120** partner labs as well as manufacture's facilities globally according to different homologation procedures.

## EV/HEV, Battery, e-Motor Testing

- Homologation testing acc. to GB/EU/ECE/AIS /FMVSS/SAE/KMVSS etc.
- Validation Test
- Test & Improve

## ADAS & Autonomous Driving Testing

- Intelligent Speed Assistance (ISA)
- Advanced Emergency Braking System (AEBS)
- Driver Drowsiness and Attention Warning (DDAW)
- Driving Assistance Functions (ACSF A, ACSF B1, ACSF C, CSF, ESF, RMF)
- ELKS, ALKS
- Automated Driving System (ADS)

## Cybersecurity Testing

- UNR 155, ISO/SAE 21434
- Penetration Testing
- Functional & Interface Testing
- Fuzz Testing
- Vulnerability Scanning

## Components Testing

- Battery, e-Motor, E/E Components
- Lighting, Mirror, CMS
- Tire, Wheel
- Safety-Belts, CRS, Seating System
- Brake Lining/Disc/Drum, Fluids, Hose, Axle
- Helmet
- eCall, In-Vehicle Radio Device
- Glazing Material



# Inspection Service

**ATIC**

Factory audit and sampling, inspection, witness test, used-car inspection, digital quality management system.



## Factory Audit and Sampling

ATIC professional auditor team has been authorized by more than 20 authorities or certification bodies worldwide to provide professional and efficient factory audit, sampling and witness testing services for domestic, Asian and European manufactures using ATIC Digital Reporting System.



## Inspection

Pre-shipment inspection (PSI) for automotive components, lighting appliances, electrical and electronic products as well as other consumer products, sampling and testing.



## Used-Car Inspection

Provide professional third-party vehicle condition assessment and technical inspection during the used-car transaction process, and issue inspection reports for used car value assessment and insurance assessment.

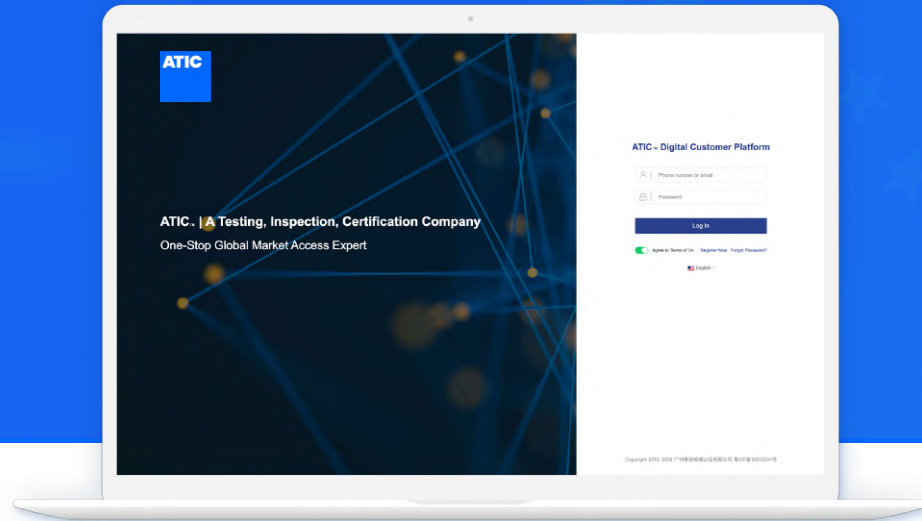


## Digital Quality Management System

Tailor-made light weight digital quality management system for manufacturing companies, digitalization of quality management system through forms, processes, approvals, and databases to improve quality and efficiency.

# Digital Service

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## Digital Customer Platform

Manage homologation projects online



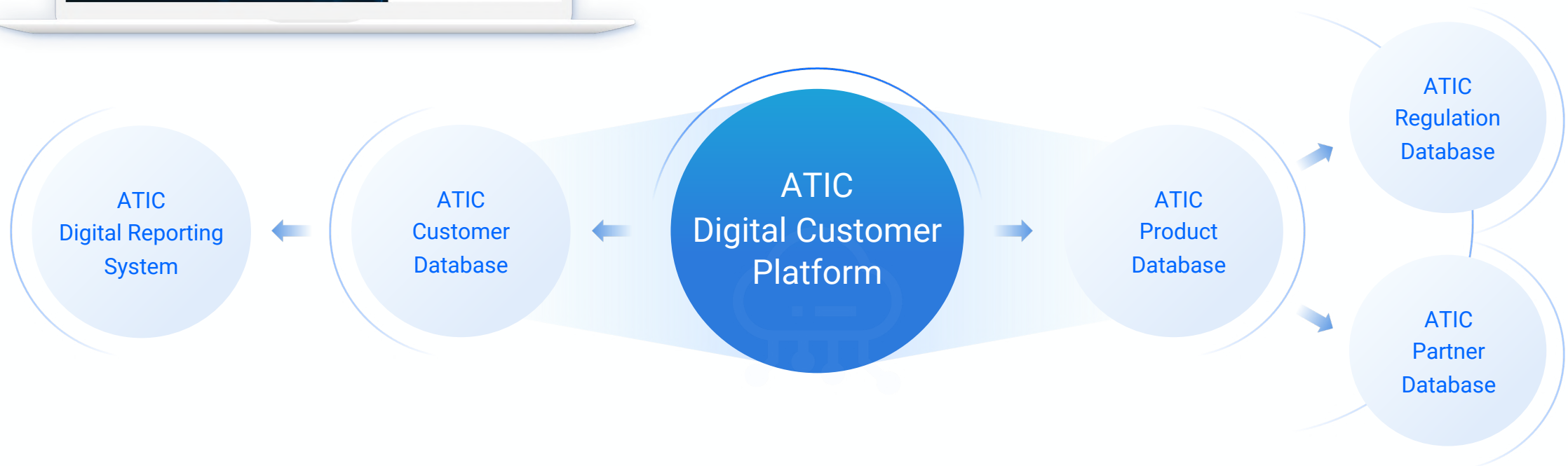
## Global Vehicle Regulation Database

Cover 50+ countries with 16,000+ regulations and homologation procedures



## Digital Reporting System

Generate reports and certificates online



# Our Clients

**ATIC**
















ATIC has provided testing, inspection, certification services to more than **7000** manufactures globally.





# Contact Us



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## Customer Service

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**ATIC (Suzhou) Co., Ltd**

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**ATIC (Chongqing) Co., Ltd**

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**ATIC (Changsha) Co., Ltd**

No. 3707A, T1 Building, IFS, Furong District, Changsha, 410005, P.R. China

## Bank Information

**Bank Name:**

CHINA CITIC BANK Guangzhou Kaifa Sub-Branch

**Add:** Room 102B, No. 9, Caipin Road, Science City, Huangpu District, Guangzhou

**CNAPS:** 302581044443

**Swift Code:** CIBKCNBJ510

**Bank Account:** ATIC (Guangzhou) Co., Ltd.

**Account Number:**

CNY Account: 8110 9010 1210 0761 466

USD Account: 8110 9140 1270 0761 487

EUR Account: 8110 9510 1140 0761 497