

TecAlliance China

- International Automotive Aftermarket Data Standard

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28 years experience

140 countries

1400+ brands

8.8 million parts

International Automotive Aftermarket **Data Standard**

The TecDoc data standard created by TecAlliance has been recognized as the trusted standard with unique definition in the global automotive aftermarket.

We are distinguished by our in-depth knowledge of the industry and our requirement for the highest levels of quality and security based on sustainable technologies. Make us become the global strategic partner of numerous international brands.

We will collaborate with you; based on your wishes and requirements, we will develop practical digital solutions and innovative services to make your day-to-day business easier.



01

Who is TecAlliance

- Company Profile
- Team Introduction



TecAlliance China Ltd.

TecAlliance, formerly TecDoc of Germany, has been in existence for 28 years. In 2006, TecAlliance China entered the Chinese market, and in 2013, TecAlliance China was formally established, providing a full series of data and services for China's automotive aftermarket.

At the same time, we have set up local branches in Thailand, Malaysia and Vietnam to actively expand the Southeast Asian market and provide data and services for the local market.

We are committed to providing standardized data and data standardization services for the automotive aftermarket. The TecDoc data standard now become the recognized data standard in the global automotive parts industry, representing the authoritative data quality certification.

TecAlliance Asia Pacific



China/ Japan/ South Korea

Malaysia/ Singapore/ Thailand/ Vietnam

Our Shareholders



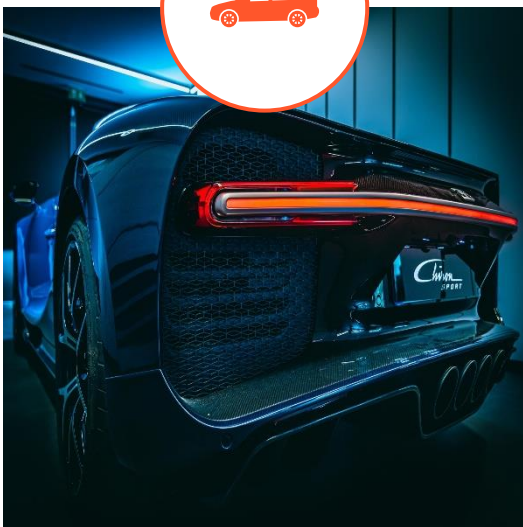
Data Standard

Data of vehicles and parts are collected from manufacturers around the world, standardized according to "TecDoc STANDARD" and different market needs, released for use in the entire industry chain.

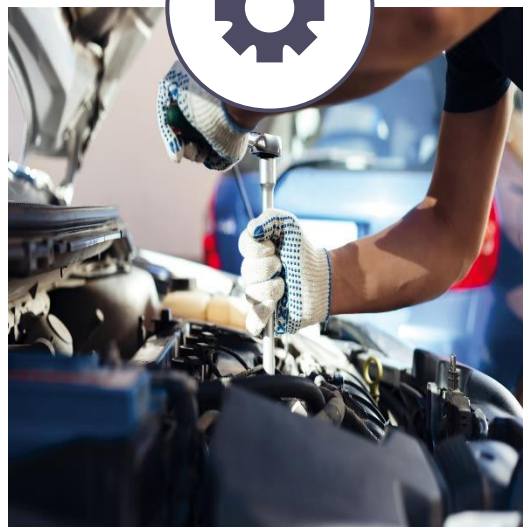


TecAlliance Data Team

We have a comprehensive and experienced data team to help your business development



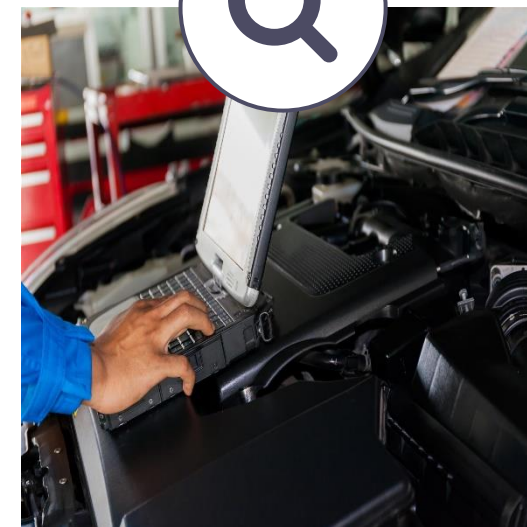
Vehicle



OE



Data Solutions



Online Catalogue



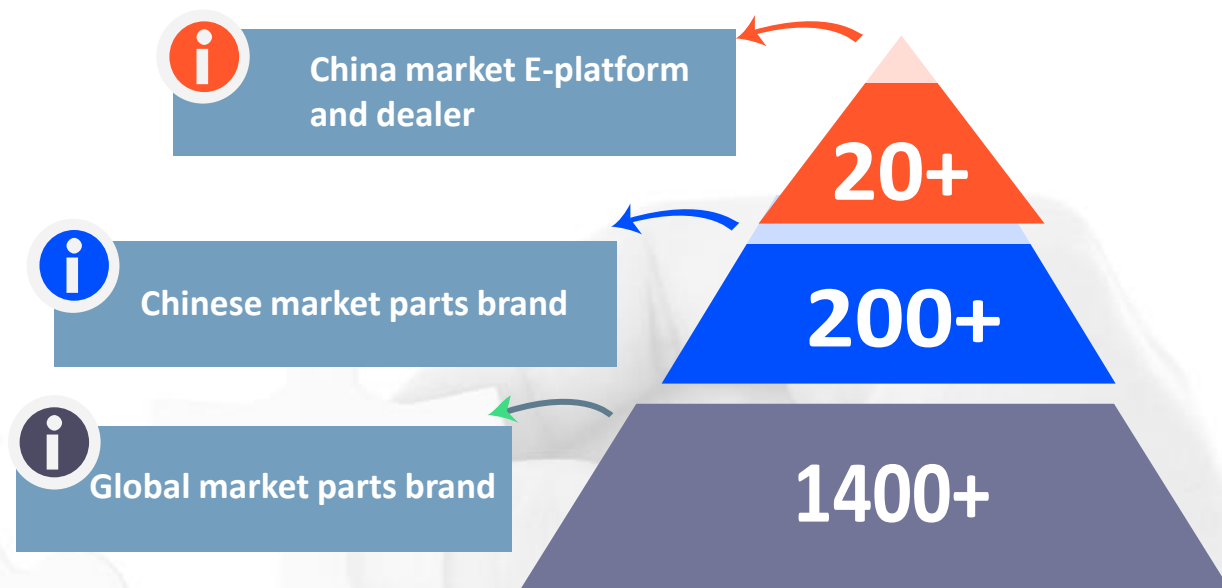
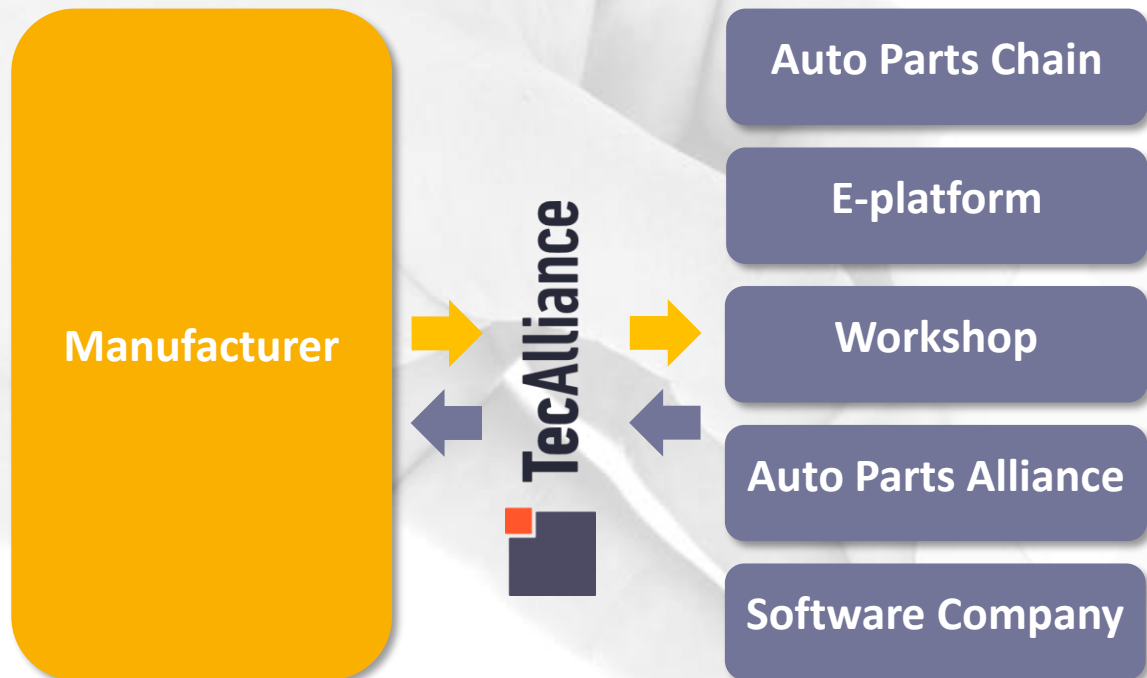
02

Products & Solutions

- Our Customers
- Data Service
- Online Catalogue
- Software Products



Type of Customers



Our Partners



Partners

International brand



Chinese Brand

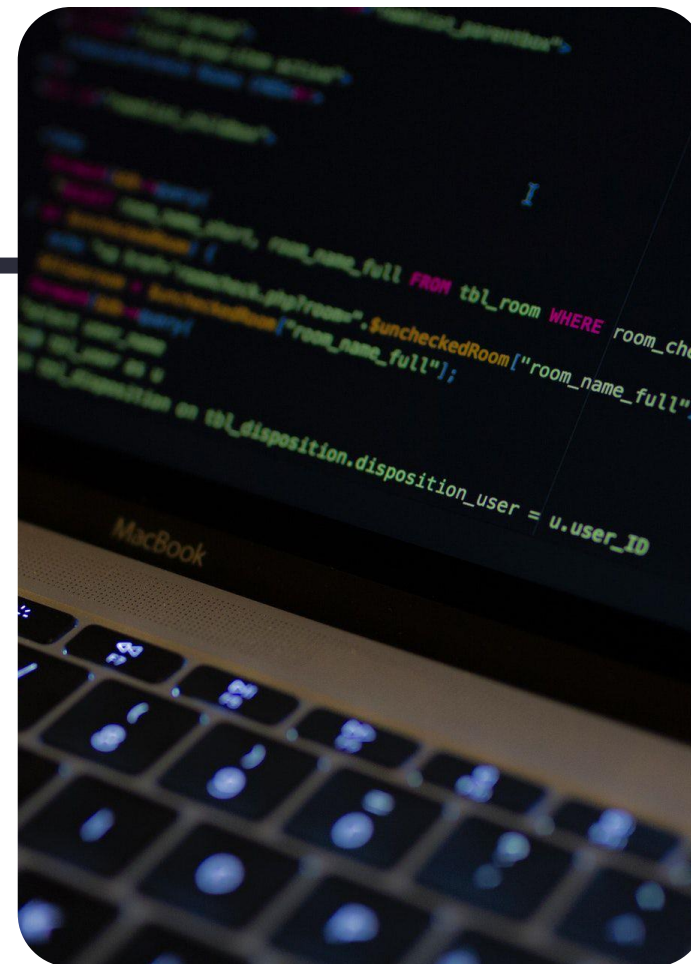


China e-platform and Alliance



Data Service

- Vehicle Data
- OE Data Research Service
- Data Customization Service
- API





Vehicle Data

Vehicle information

- 2 kinds of vehicle database
 - Standard vehicle (K-Type)
 - Sales version vehicle (China ID)
[\(Attachment 1\)](#)
- Update the latest vehicle on the Chinese market every month

VIN Code

- Obtain vehicle information through VIN code (Web catalogue or WeChat catalogue)
- The API can be used to adopt TecAlliance VIN code data

K-type VIO

- Global VIO available in 75 countries [\(Attachment 2\)](#)
- Passenger cars, light commercial vehicles
- More than 60 vehicle identification criteria for absolute accuracy
- Two data deliveries per year

China ID VIO

- For the Chinese market
- Passenger cars, light commercial vehicles
- More than 40 vehicle identification criteria for absolute accuracy
- One data deliveries per year





OE Data research service (Attachment 3)

- According to the customer target market, provide the corresponding OE research service, including the model link, OE number substitution relationship and other important information
- 107 categories(Braking, steering, suspension, engine, cooling system...) , including the important information such as OE numbers, fitting position, product parameters, OE supersession, application etc.

(Value-added services: Update OE data research according to customer demand based on new vehicle in the market.)

Mainly serves the country:

- China
- Southeast Asia: Malaysia/ Thailand/ Singapore/ Indonesia/ Vietnam/ Philippines
- Full coverage of European regions/countries
- South America: Brasil/Argentina
- North America: Canada/ Mexico/USA





Data customization service

Data Mapping service (Attachment 4)

- Product link to vehicle (OE mapping)

Competitor analysis

- competitor analysis
- Product coverage report (VIO)

Data Processing (Attachment 5)

- Data format standardization
- Basic parts data cleaning

Build a database

- According to customer needs, assist customers to build the database

DIFM (Attachment 6)

- Combine multiple reports to generate comprehensive reports based on customer needs
- Reports can help customers analyze products and improve their business



VIN-Vehicle

- Identify the vehicle by VIN number to find vehicle attributes, including Brand/Designation/Body Structure/Capacity/Drive system/Maximum output/Cylinder/Number of valves per cylinder/Kind of engine/Fuel type/capacity/Fuel type/Year of Production (to)
- VIN-vehicles (Ktype) available for China, South Korea and Southeast Asia (Indonesia/Malaysia/ Singapore/ Thailand/ Vietnam/ Philippines) ;
- Available in Mainland China: 1) Standard Vehicle (K-Type) ; 2) Sales version(China ID)

Vehicle-Parts

- Linked parts can be obtained for the vehicles. Parts information includes: basic information, OE information, photos, and other vehicle linkages.

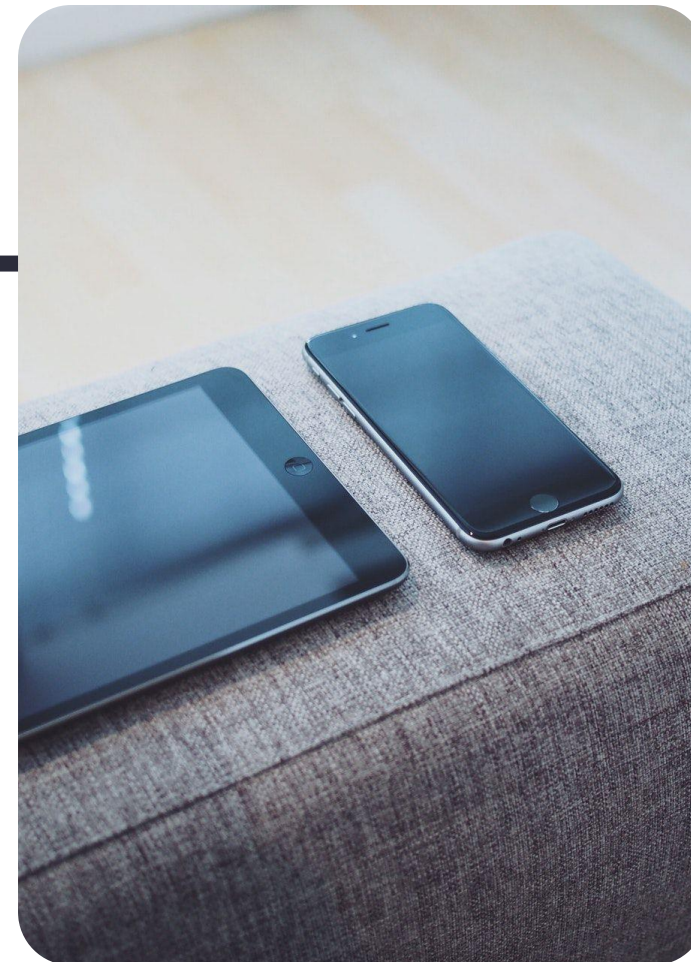
Any number-Parts

- Any number include: OE number/Parts number/EAN code/ Trade number/ Competitor number

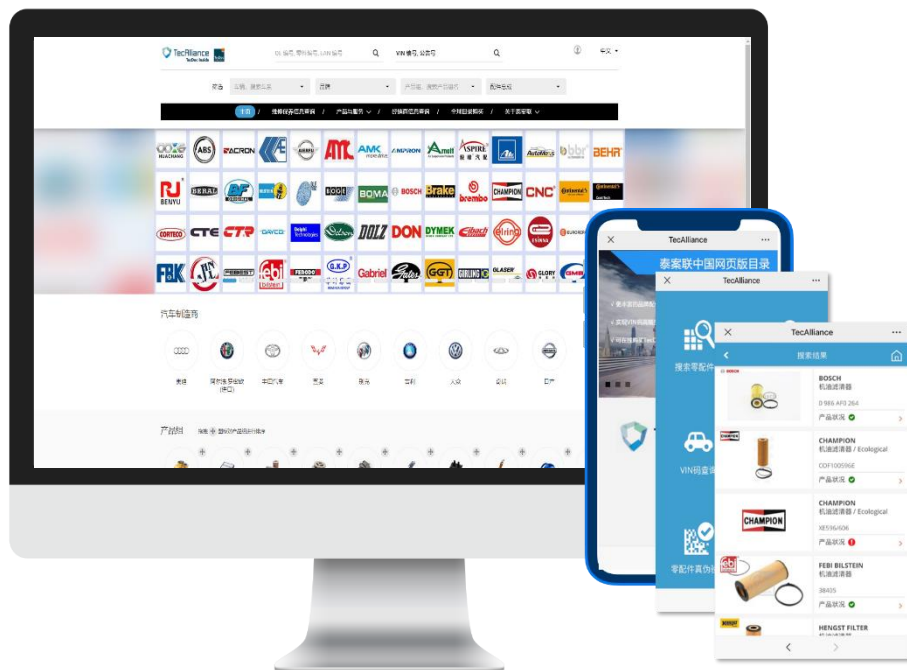


Online Catalogue

- China Version
- Southeast Asia Version
- Global Version
- Customized Online Catalogue



China Version



Web: www.tecalliance.cn

WeChat QR Code:

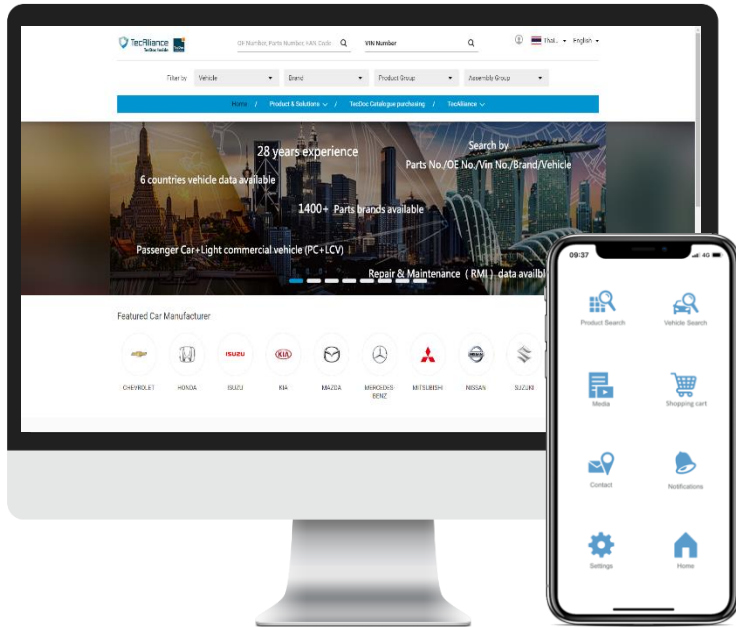


- 200+ parts brands on board, vehicle information covers all vehicles in the Chinese market
- Support multiple number search
 - OE Number, Parts Number, EAN Number
- Support vehicle search
 - Search by VIN code/ Gonggaohao
 - Fuzzy search vehicle
 - Support K-type and China ID to search OE number, part number, EAN number
- Support product name fuzzy search
- Chinese and English



Remarks: ChinaID is only available on PC

Southeast Asia Version



Web: www.tecalliance-sea.com/en

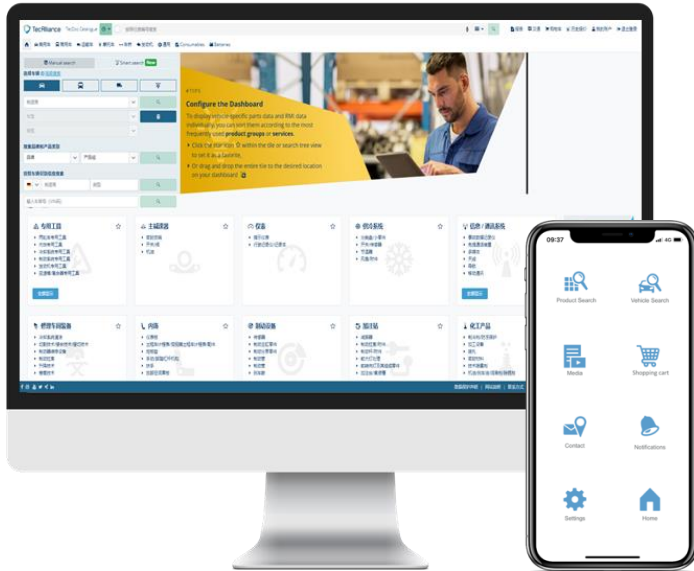


Please download our app from app stores on mobile phones

- Can search Thailand/Malaysia/Philippines/Indonesia/Singapore/Vietnam vehicle and parts information
- Support multiple number search
 - OE Number、Parts Number、EAN Number
- Support vehicle search
 - Search VIN code directly
- Support product name fuzzy search
- Language available: English/ Chinese/ Malay/ Thai/ Japanese/ Korean



Global Version



Web: solutions.tecalliance.net.cn

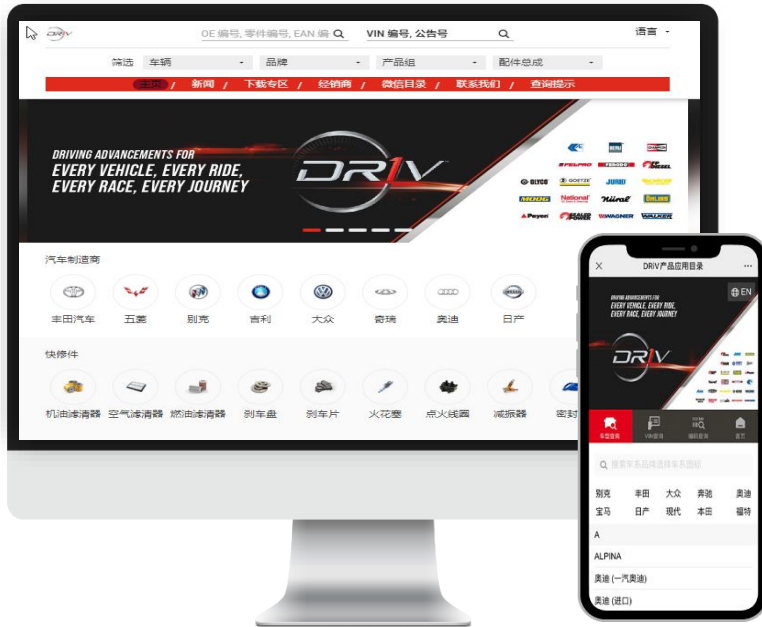


Please download our app from app stores on mobile phones

- Global 900+ parts brands, more than 8 million parts data and 90,000 vehicle information
- Support the search of parts and vehicle in countries and regions around the world
- Multiple search methods
 - Search by multiple number : Parts number/OE number/trade number/competitive product number, etc.
 - Support Passenger car/commercial vehicle/motorcycle/transport vehicle
 - Fuzzy search for car brands
 - Mobile phone supports number scanning (barcode, VIN code)
- Support 37 languages



Customized E-Catalogue



- Web, WeChat and APP
- Data standardization Enrich part linkages to more vehicles
- Customized functional interface
- Multiple search dimensions: vehicle, VIN, Number, etc.
- Multi-terminal equipment: computer, mobile

Customer Case Sharing: DRiV

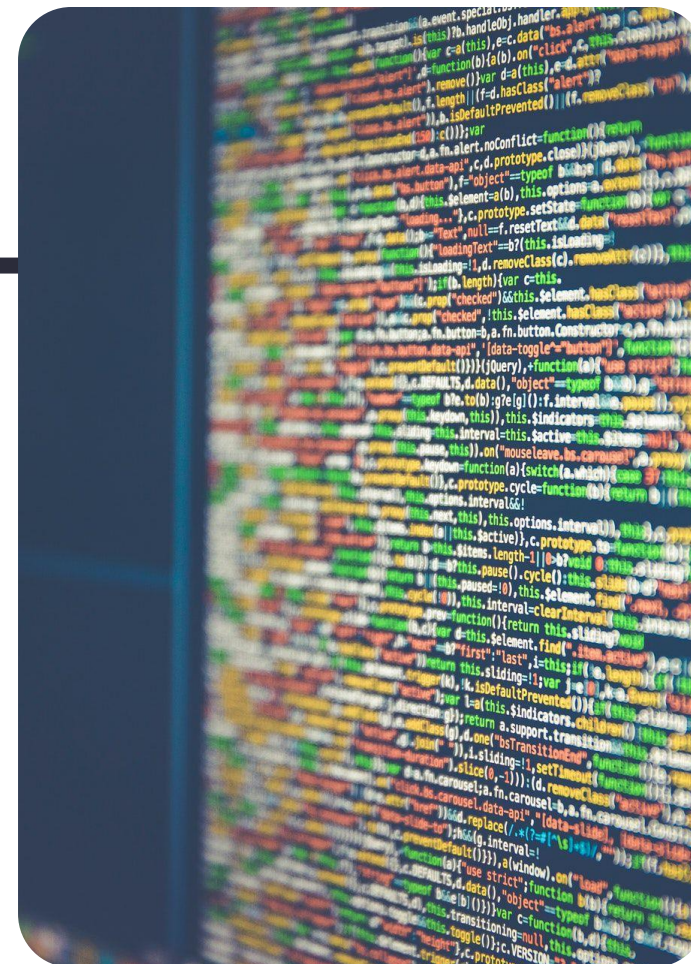
Web: catalogue.drivparts.cn

WeChat:



Software Products

- Product Management Analytics (PMA)
- Order Manager
- (North American Market) PARTCAT
- CCU (Data Manager Product)



Product Management Analytics (PMA)



- ✓ Available for Data Supplier
- ✓ Service provided for the markets which Data Supplier joins
- ✓ Worldwide data available



- ✓ Analytical reports will be generated based on competitor benchmark
- ✓ Multi-dimensional analysis helps customers effectively develop and manage products
 - Save cost and time for product development
 - Increase vehicle coverage in a faster way



Order Manager



- ✓ Professional Worldwide Aftermarket B2B Platform
- ✓ A full set of solutions for orders and claims
- ✓ Digitalize supply chain processes and increase efficiency



- ✓ Buyer-supplier process automation electronic communication platform
- ✓ Check real-time inventory and prices online, and order parts
- ✓ The supplier confirms the order online, announces the delivery, and transmits the billing data
- ✓ Standardized message format for data transmission
- ✓ Buyers and suppliers can use various ERP integration level interfaces



PARTCAT (North American Market)



- ✓ For the North American market



- ✓ Data management software to help customers manage vehicle and parts data, and generate North American data standard format (ACES/PIES/NAPA)
- ✓ Automatically generate product related reports
- ✓ Manage product pictures and support 360-degree image presentation



CCU (Data Manager Product)



- ✓ For manufacturers
- ✓ OE information based tools



- ✓ 100% OE information
- ✓ Vehicles in Operation
- ✓ Product development based on TecDoc data and OE information
- ✓ Product coverage analysis
- ✓ Supports ACES and MAM MMI V8 data formats
- ✓ Support administrator to grant different user the different rights



03

Become a Data Supplier



Why become a TecAlliance Data Supplier?

Input: your data.

Output: many benefits.

Product Management

Through the TecAlliance database, digitally manage products; accelerate new product development and time to market, reach customers faster, and improve business

New Market Expansion

Quickly expand existing products in a certain market to new markets through TecAlliance data services (OE research, market report)

(Attachment 7)

Part Info in TecDoc Global Catalogue

To become a data supplier, data will be showed in the TecDoc global Catalogue, customers can search

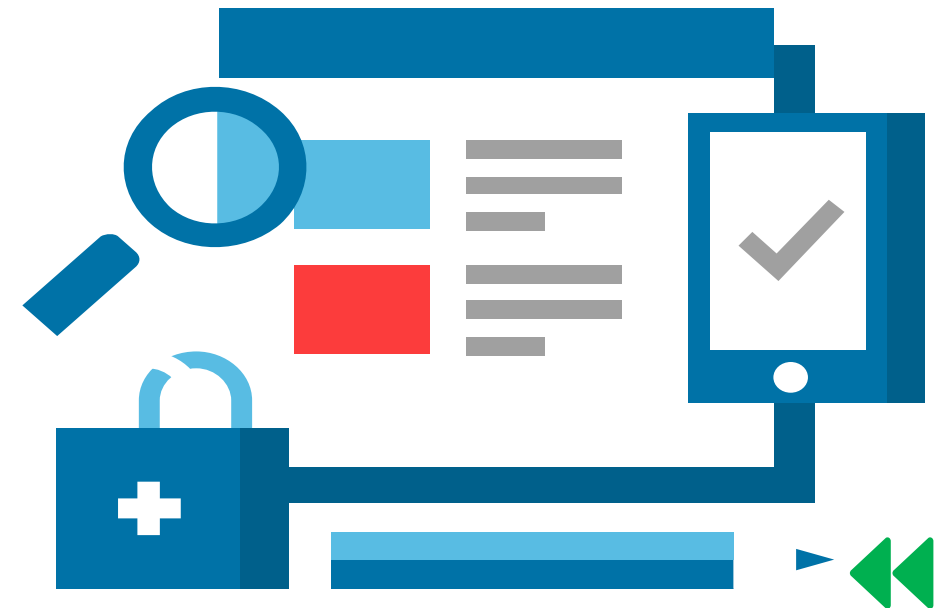
Standardization of parts data (Attachment 8)

According to the TecDoc data standard, the data is standardized.
Data standardization can meet customers' requirements for data format and maintenance, and easily manage data.



Attachment: Description of services

- Attachment 1: Vehicle——Sales Version
- Attachment 2: Vehicles in Operation (global, historical, forecast)
- Attachment 3: OE research -- OE & Vehicle Mapping
- Attachment 4: Data Mapping & Processing——Competitor Analysis
- Attachment 5: Data Mapping & Processing
- Attachment 6: DIFM
- Attachment 7: New Market Expansion
- Attachment 8: TecDoc STANDARD (Case)



Attachment 1: Vehicle——Sales Version

Advantage of the data

- Customizable data structures
- With abundant standardized vehicle parameters, which can cover the main product lines
- Data integration: the "Sales Version Vehicle Data" has linked or can be linked to the other vehicle data format in China aftermarket
- Diverse data can be provided through professional data processing tools and an excellent error-proof team


Vehicle

Manufacturer > AUDI > A3 (2014-) 8VS;8VM > 2015


1.8 TFSI

2.0 S3 quattro

2.0 TFSI




AUDI A3 (2014-) Limousine 8VS;8VM
2015
1.8 TFSI

Model	Year	Power	Cylinder Capacity	Cylinder / Valves	Impulsion Type	Motor Type	Fuel Type	Fuel Type Process	Engine Code	Select
A3 (2014-) Limousine 8VS;8VM	2014 - Present	180 HP / 132 KW	1798 CCM / 1.8 Liter	4 / 4	Front Wheel Drive	Petrol Engine	Petrol	Direct Injection	CJSA;CJSB	

Vehicle Detail

Related parts



Manufacturer: AUDI

Brand: AUDI

Brand type: Imported

Model name: A3 (2014-) Limousine 8VS;8VM

Construction from: 2014

Construction to: Present

China vehicle bulletin: -

Model design: 8VS;8VM

Engine: 180 HP / 132 KW / CJSA;CJSB

Capacity litre: 1.8

Transmission sales type: Automatic

Transmission sales name: DCT

Engine aspiration type: Turbo

Fuel type: Petrol

Gears count: 6

Emission standard: Euro stage 5

Drive system: Front Wheel Drive

Kind of structure: Saloon

Front brake type: Disc brake

Rear brake type: Disc brake

Total results: 2

	Sales Model	2014款 1.8TFSI 双离合 40TFSI S-line 舒适型	2014款 1.8TFSI 双离合 40TFSI S-line 豪华型		
	Guiding price	27.98	33.43		
Body & Dimensions	Box Design	Three Box	Three Box		
Braking & Traction	Curb Weight	1420	1420		
Drivetrain	Gross Vehicle Weight	1870	1870		
Engine	Hood Type	Hard Top	Hard Top		
Comfort & Convenience	Roof Type	Hard Top	Hard Top		
Lighting	Door Count	4	4		
Safety	Seat Count	5	5		
Mirrors & Wipers	Wheelbase	2618	2618		
Steering & Suspension					
Tyre & Rim & Hub					
Entertainment					
Seats & Upholstery					

Related parts

Attachment 2: Vehicles in Operation (global, historical, forecast)

Europe

Estonia	Luxembourg	Iceland	Macedonia
Austria	Denmark	Finland	Greece
Ireland	Latvia	Norway	Portugal
Belgium	Hungary	Netherlands	Poland
Romania	Spain	Switzerland	Sweden
Croatia	Lithuania	Slovenia	Serbia
Montenegro	Bosnia-Herzegovina		
Bulgaria	Czech Republic	France	Germany
Italy	United Kingdom	Slovakia	Belarus
Russian Federation	Turkey	Ukraine	

It can provide data for 75+ countries and regions
















Africa

 Tunisia		
 Algeria		
 Morocco	 Egypt	 South Africa

Asia & Oceania

Australia	Indonesia	India	Korea
Malaysia	Thailand	Taiwan	New-Zealand
Kazakhstan			
Israel	Japan	Hong Kong	Singapore
Philippines	Iran	Saudi Arabia	Vietnam
United Arab Emirates	Kuwait		
China			

America

 Mexico	 Dominican Republic	 Puerto Rico (*)	
 USA (*)			
 Canada (*)			
 Argentina	 Brazil	 Chile	 Colombia
 Peru	 Venezuela	 Ecuador	 Bolivia
 Paraguay	 Uruguay		

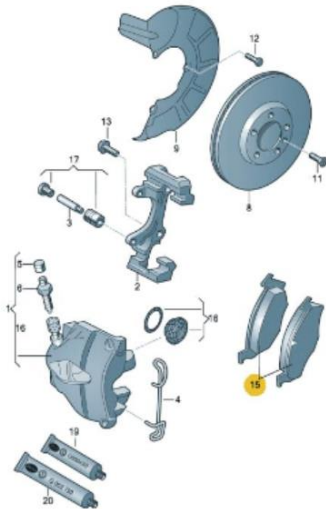


Attachment 3: OE research -- OE & Vehicle Mapping



Polo

Find the info of the braking products installed on this vehicle



Selected product line

- Brake pads
- Fitting position: front axle
- Wear warning contacts: including wear warning contacts



Audi A1

OE: 5K0 698 151

Result:

- The OE No. of the brake pad installed on this car is 5K0 698 151
- This OE number covers 4 brands
- 30 standard models (K-type)
- 503,000 VIO (2019 H1)

VW (SVW)	POLO	波罗 Cross
VW (SVW)	POLO CROSS	
Audi	A1	A1
Audi	A3	A3
VW	BEETLE	新甲壳虫
VW	GOLF	高尔夫
VW	SCIROCCO	尚酷
SKODA (SVW)	SUPERB	速派
.....		



Attachment 4: Data Mapping & Processing——Competitor Analysis

OE: 5K0 698 151



Brake Pads

Fitting Position: front axle

Wear Warning Contacts: including wear warning contacts



✓ 07.B314.52



✓ 13.0460-7184.2



✓ 8DB 355 023-461



✓ 0 986 AB1 164



✓ 6695HPS



✓ WBP23587A



✓ LP1837



✓ GDB1550



✓ FDB1641



✓ 50-00-0047



✓ 573128J-AS



✓ PA-0047AF



✓ 500047



✓ 2358708



✓ 05P866



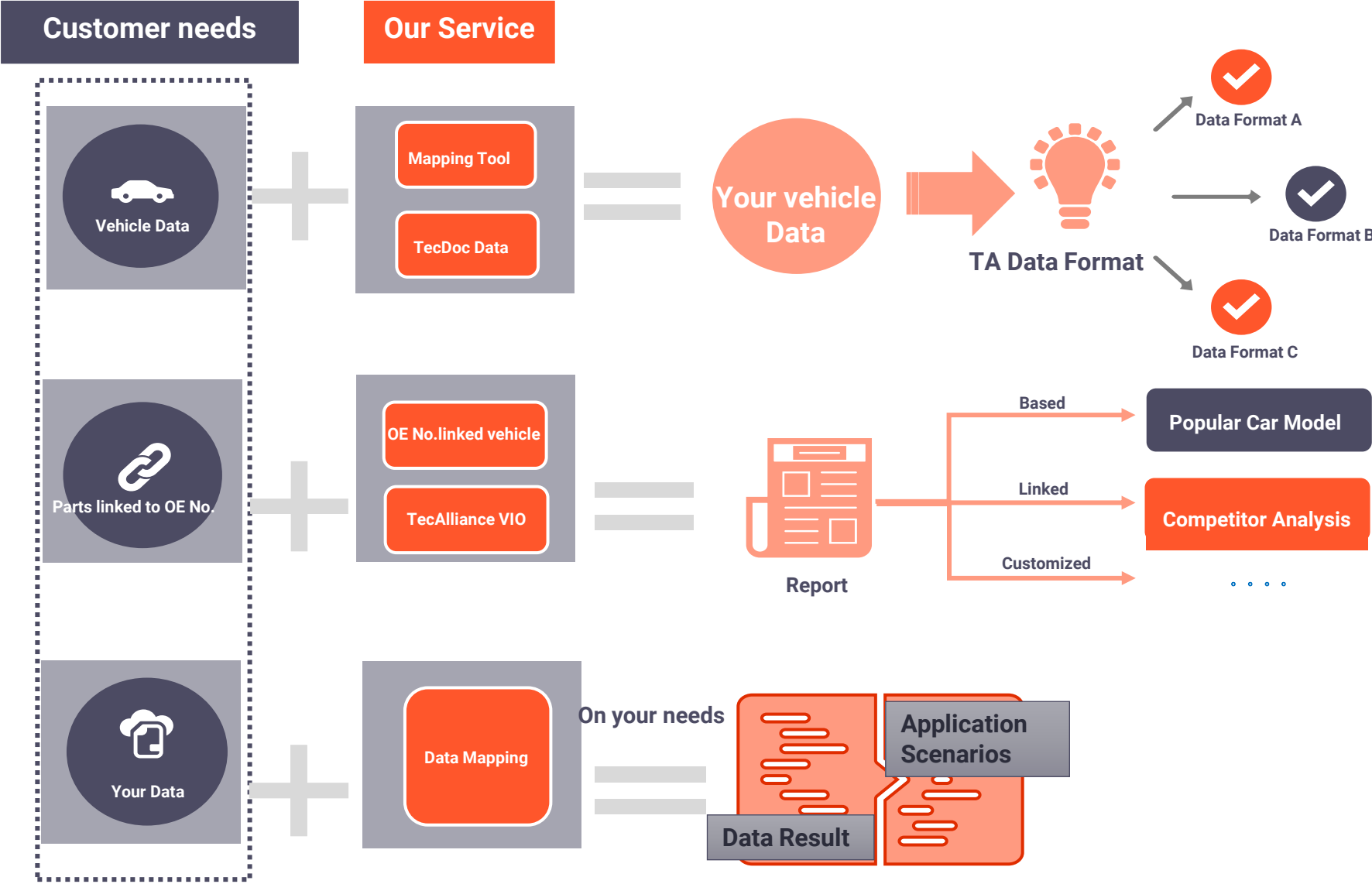
✓ 301635



Attachment 5: Data Mapping & Processing

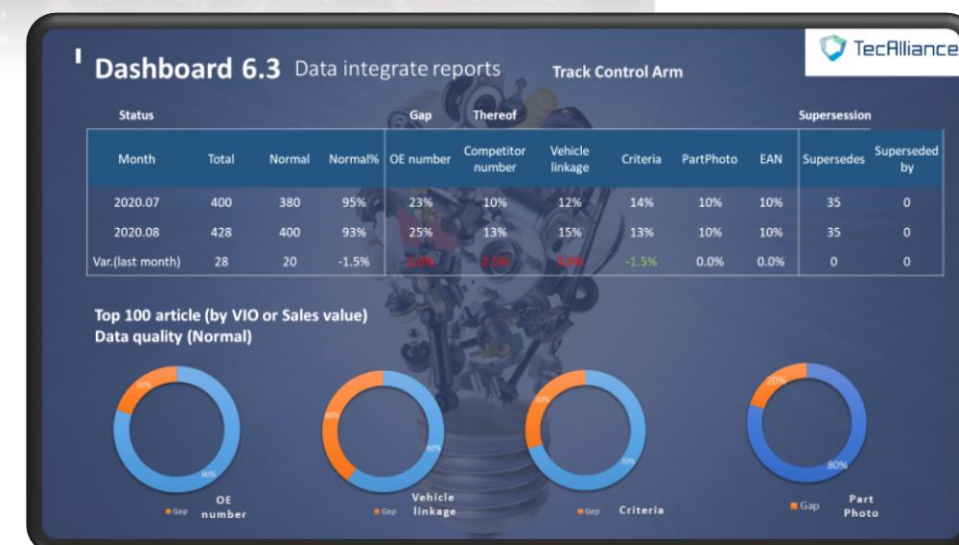
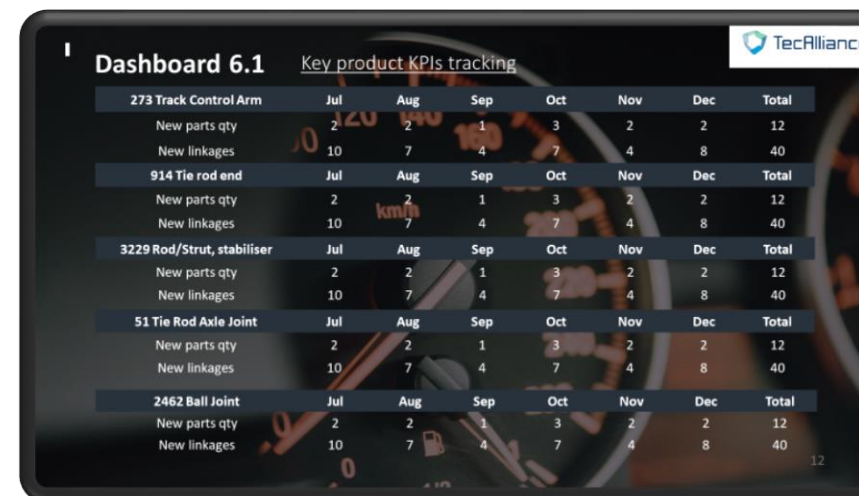


Do you have the following requirements?

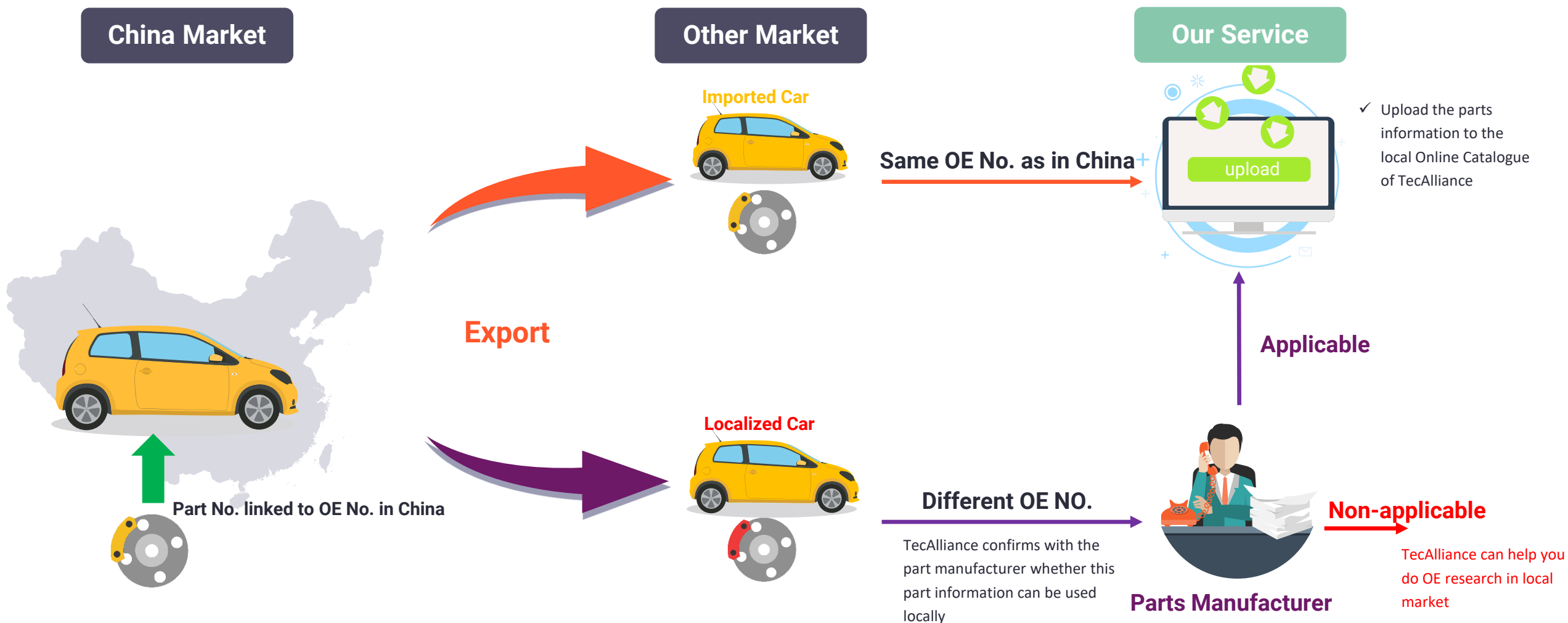


Attachment 6: DIFM

Components	
1	Product range and development
1.1	Linkage improvement with existing range
1.2	Coverage report by article level
1.3	Gap report _ qualified
1.4	NPI tracking list
2	E-newsletter _ New range extension
2.1	New range extension
2.2	New article
2.3	New linkages
3	Data quality report
3.1	Data quality report by GA level
3.2	Data quality report by article level
4	DMM uploading
5	Analysis
5.1	Competitor analysis
5.2	Analysis report (customized)
6	Dashboard
6.1	Key product KPIs tracking
6.2	New parts release and coverage
6.3	Data integrate reports
7	Sample purchase service
8	Speed to market , new vehicle subscription




Attachment 7: New Market Expansion



We can help you expand your existing products to new market if it's available

Attachment 8: TecDoc STANDARD (Case)

LP10 - DELPHI - Brake Pad Set, disc brake

Brand / Image	Basic Info	OE Number	Parts List	Criteria
 <p>Delphi Technologies Manufacturer Info ⓘ</p>	<p>LP10 DELPHI Article Status: ✓ Normal Article Number: LP10 Product Group: Brake Pad Set, disc brake Packing Unit: 1 Quantity / Part Per Unit: 1 EAN: 5012759300015 Trade number: 20038 D61-745</p> <hr/> <p>Technical Information: 4 Identical Pads</p>	<p>ROVER GBP90281 / GBP90307 / GBP90104 / GBP90108 / GBP90177 / GBP90233 / GBP233 / GBP90297 / GBP90307AF / VBP130 / GBP90213 / GBP213 / GBP108 / GBP104 / CDU3030EVA VAUXHALL 8830741 / 91014519 / 53721111 / 577201112 / 75242565 / 8856491 / 8830740 / 6557206113</p> <p>More</p>	-	<ul style="list-style-type: none">· WVA Number: 20038· Brake System: AP-Lockheed· Length [mm]: 74· Height [mm]: 64· Thickness 1 [mm]: 13.3· Thickness 2 [mm]: 13.3

The above screenshot shows the product displayed in the Web catalogue of TecAlliance China, where the description of **basic product information and criteria** are defined and described according to TecDoc STANDARDS.

Follow international standards, suitable for many countries.





Looking forward to our cooperation

Thank you!

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