Automotive Offerings

Insight, analytics, expertise, and solutions—driving better decisions and better business results.
Welcome to S&P Global Mobility

Joe LaFeir
President,
Automotive Insights,
S&P Global Mobility

The automotive industry is one of the world’s largest drivers of economic growth and cultural change and a catalyst for exciting new technologies. For decades, automotive manufacturers, suppliers, and dealers along with their financial and agency partners have relied on us as a trusted source of critical information and insight.

This trust is built on a history of providing industry leaders with comprehensive, timely, and actionable insight that has shaped better business decisions and driven better business outcomes.

In an increasingly competitive and interconnected business environment, actionable insight—delivered where and when you need it—can be the difference between market leadership and market parity. Like no other, we deliver the breadth and depth of automotive insight that will help you gain and retain the lead in your market.

Today, we are proud to celebrate over 100 years of providing automotive stakeholders with data, analysis, and forecasts to support product strategy, sales and marketing, and the aftermarket.

For more information or to speak to an expert, please contact us at ihsmarkit.com/automotive
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Car of the Future

Disruptive trends or future opportunities?

S&P Global
Mobility
MobilityInsight

With the ownership of vehicles shifting from a personal ownership- to shared ownership models and with autonomous vehicle technology progressing towards a robo-taxi future, the automotive industry faces disruptive trends but also large opportunities.

MobilityInsight is a service for the operational business that provides global mobility coverage, and a 12-year outlook forecast data for 4 major markets (USA, Europe, China and India). With MobilityInsight, you will be able to access:

**Mobility Light Vehicle Forecast**

Our mobility channel forecast until CY2033 for Light Vehicle Sales, -Parc and Vehicle Miles Travelled (VMT): The datasets provide forecasts for Personally Owned cars, Car Sharing cars and Ride Hailing cars, their propulsion types and autonomy level.

**New EV Players Monitor**

Explore our research and analysis on the dynamic in the new EV Player start up space. The New EV Players Monitor evaluates and analyzes EV start-up companies with our unique EV-SURE rating.

**Mobility Headline Analysis**

Stay up to date with ongoing developments in the rapidly changing mobility world with dedicated mobility news coverage.

**Mobility Company Profiles**

Discover what strategies OEMs and new mobility players are pursuing to compete in the future of autonomous, shared and electric cars.

**Mobility Reports**

Mobility trends can be a short term hypes, and long term disruptors. In our Mobility Reports, we analyze and explain the latest trends in electrification, autonomous vehicle technology, passenger car ownership models and mobility services.
Mobility and Energy Future (MEF)

The service provides an in-depth look at how automotive fleets will evolve and where mobility service companies, electric powertrains, and driverless technology alter traditional buying and use patterns.

MEF offers scenario-based forecasts (base vs. progressive) for light- and medium-/heavy vehicle sales, fleets and VMT (Vehicle Miles Travelled) that go out to 2050. In-depth look at how automotive fleets will evolve from the personally-owned models of the past century to a multi-dimensional competitive environment where mobility service companies, electric powertrains, and driverless technology alter traditional buying and use patterns.

For the automotive industry, understanding the patterns of future car ownership and usage will be vital in preparing for tomorrow’s market. The market will become more complex as ride-sharing platforms and self-driving cars will give consumers an increasing number of options for personal mobility. Automakers and suppliers will need to adapt their products and business models to ensure they are prepared for greater diversity, the resizing of markets, battery-charging needs, and the related response from electric-power markets.

Underlying forces and incentives assessment

- Battery costs, technologies, and supply chains
- Government EV consumer incentives and producer mandates
- Autonomous technology evolution
- Consumer preferences for shared vs owned mobility types
- Total cost of vehicle ownership for different powertrains
Autonomy Forecasts

Get unprecedented insight into a whole new world of driver(less) technology

Over the next two decades, fully autonomous vehicles are expected to go from concept to tens of millions sold per year. This seismic shift will not only usher in a new era of in-vehicle user experience but of vehicle ownership as well. It also opens up a whole new industry for technology and associated components. There is profit to be made, but what is the best path forward?

We provide insight into OEM autonomy and ADAS applications/features technology strategies. Our new model-level Autonomy Forecasts provide access to detailed technology specifications and clarify how different autonomy levels are delivered from a hardware perspective (sensors). The service also identifies emerging suppliers and OEM sourcing structures.

Get 12-year forecasts and in-depth analytics at the model level for the following:

**Sensor Technology and Supply Chain**
- Lidar
- Radar
- Camera

**Autonomy Features**
- 12 application families
- 46 vehicle features

**Autonomy Levels**
- SAE Level 0 – no automation
- SAE Level 1 – driver assistance
- SAE Level 2 – partial automation
- SAE Level 3 – conditional automation
- SAE Level 4 – high automation
- SAE Level 5 – full autonomy

ihsmarkit.com/car-of-the-future
AutoTechInsight Services

Autonomous Driving Service
Automated driving and advanced driver assistance systems (ADAS) are making vehicles safer and more convenient to drive. Furthermore, they are ushering in a disruptive era in mobility where vehicles are actively aware of the world around them, are able to drive themselves, and can even replace the need for a driver and vehicle ownership.

The Autonomous Driving Service provides insight, context, data and analytics for the ADAS market right through to the cutting edge of mobility, autonomous driving. Users can quickly access key insights from market developments, put context around events and technology trends, dive into deep data and forecasts, and seamlessly drive analytics to support their most challenging decisions.

Connected Car Service
Connected car technology has grown within the auto industry for the past 20 years. Telematics and infotainment display audio systems are now commonplace. So are technologies such as Apple CarPlay, Android Auto, and even Android based operating systems for infotainment. These advancements further blur the line between traditional in-car human-machine interface and functionality and those often seen on a smartphone or tablet.

Today's high-tech car needs additional capabilities such as over-the-air (OTA) software and cybersecurity to fix bugs and add new functionality on a regular basis. These new capabilities also give suppliers and automakers an opportunity for white-space mapping in data monetization solutions which are critical to future profitability.

The Connected Car service provides insight, context, data and analytics that allow our clients to make informed and strategic business decisions. Users can quickly access key insights from market developments, put context around events and technological trends, dive into deep data and forecasts, and seamlessly drive analytics to support their most challenging decisions.

E-Mobility Service
Vehicle electrification is one of the most impactful and long-term trends in the automotive industry. For OEMs to comply with impending carbon dioxide legislation and regional emissions targets, alternative propulsion vehicles are entering product portfolios.

The E-Mobility Service provides insight, context, data, and analytics to help navigate the transition to an electrified powertrain and associated infrastructure. Users can quickly access key insights from market developments, put context around events and technological trends, dive into detailed data and forecasts, and seamlessly drive analytics to support their most challenging decisions.
News & Analysis

Track automotive industry developments around the world
AutoIntelligence Suite
AutoIntelligence delivers comprehensive industry analysis and monitoring for more than 96% of global vehicle sales and 99% of global vehicle production.

AutoIntelligence is comprised of two services:

**AutoIntelligence Daily**
Daily updates of automotive developments including the significance and outlook of automotive news, events and trends.

AutoIntelligence Daily is like having a team of industry, economic, and business analysts working directly for your organization. Every business day, headlines customized to your interests and needs arrive in your inbox with links directly to our site, where we curate what you need to know and what it means for your business. No other information service provides this level of timely, meaningful, and customized analysis.

**AutoIntelligence Monitor**
A one-stop research hub with access to deep-dive reports, brand-level forecasts, and country and competitor intelligence.

Get insight on all the major automotive manufacturers and tier-one suppliers, analyze key markets, access in-depth analysis on topical events and trends, and get deep-dive analysis of segmentation splits, best sellers, and key trends and drivers.

ihsmarkit.com/autointelligence

AutoTechInsight

**News and Insights**
AutoTechInsight daily news & insights provides a fresh, succinct yet insightful spin on the latest news and trends as they emerge. We not only source and aggregate the latest relevant news on technology, supply chain, and OEM strategy but also analyze their significance and contextualize them with the help of our original research and forecasts.

News is categorized in different domains (list below) and is tagged against many criteria to allow for easy filtering. A customizable feed tracker, powerful search engine and the in-built RSS feed creation capability streamline the ability to consume the wealth of analysis provided.

- Autonomy
- Chassis
- Connected Car
- E-Mobility
- Electrics/Electronics and Semiconductors
- Interior Comfort and Passive Safety
- Lighting
- Materials and Lightweighting
- OEM Strategy
- Powertrain
- Thermal
- User Interface/User Experience (UI/UX)

ihsmarkit.com/autotechinsight

MobilityInsight

**Headline Analysis**
With the ownership of vehicles shifting from personal to fleet and the number of miles driven per vehicle likely to quintuple, MobilityInsight provides a unique offering—a highly relevant means of tracking mobility developments in the automotive sector. Stay up to date with ongoing developments in this rapidly changing industry with dedicated mobility news coverage.

ihsmarkit.com/mobilityinsight
Light Vehicle Forecasts

Evaluate options, mitigate risk, optimize investments, and improve performance, today and tomorrow

S&P Global Mobility
Light Vehicle Forecasts

Light Vehicle Sales Forecasts

The Light Vehicle Sales Forecast delivers insight on market demand, segment growth, and competitive dynamics.

**Light Vehicle Sales - Base Forecast (7-Year)**

Updated twice per quarter and backed by 10 years of historical data, our Light Vehicle Sales Forecast provides an in-depth, rolling 7-year view for 145+ countries across 11 regions representing more than 97% of global light vehicle sales.

**ADD-ON MODULES**

- **Contingency Forecasts**
  Provides two alternative model-level forecasts with the same detailed fields as our base sales forecast.

- **Import Sourcing**
  Delivers additional depth and breadth for strategic sourcing & procurement.

- **Cycle Plans**
  Provides start/end-of-sales date fields for each vehicle/body type combination per sales country for 70+ countries.

- **Body Type**
  Extends vehicle-level forecasts and analysis to include vehicle body type, regional subsegment, and regional price class.

- **Vehicle List Price Forecast**
  Enhances the Body Type module with a seven-year view of future passenger car list prices to the model level.

- **12-Year Extension**
  Extends our 7-year forecast volumes to include years 8–12.

- **Monthly Volumes**
  Reveals Sales and Body Type Forecasts in monthly data buckets for the current year plus two forecast years.

- **Forecast Simulation (NewFor)**
  Our Forecast Simulation tool brings a powerful planning and decision-making capability that enables OEMs and National Sales Companies (NSCs) to build, run, and evaluate “What if?” scenarios based on a variety of forecast assumptions.

**Sales, Volume and Market Planning Advisory Services**

*In-depth market, vehicle launch, and supplier component entry strategies*

Global automakers are shifting unprecedented levels of capital and resources towards the development of autonomy, connectivity, electrification and shared mobility capabilities. It's more than the components that make up the car that's changed – entire business models may be evolving as we move from an ownership to a service-based model. To spur an alternative perspective, several automakers and suppliers have also taken the next step of establishing new capital structures and organizations.

We help automakers and suppliers plan for the future with customized scenarios and strategic plans. Leveraging our industry leading vehicle forecast models and planning solutions, we can address your unique challenges and pave the way for greater future success.

**Sales-Based Powertrain Forecast**

What is your strategy for achieving CO$_2$ compliance? What electrification or fuel types have the greatest growth potential? How will the state of individual market's charging infrastructures and legislative policy effect powertrain sales? We provide detailed Sales-Based Powertrain Forecast for the United States, Canada, Brazil, United Kingdom, Italy, Germany, France, Spain, Netherlands, Sweden, Norway, Rest of EU30, mainland China, and Australia, which enable a more thorough market insight based on client’s segmentation. We can also help with the identification of relevant legislative drivers—e.g. stricter emission requirements, urban access regulations etc.—and assess their effect of sales volumes and model choice.

ihsmarkit.com/auto-forecasts
Light Vehicle Forecasts

Light Vehicle Production Forecasts

Light Vehicle Production Base Forecast (7 year)
Light Vehicle Production Forecasts offer an in-depth view across 50+ countries, 900+ plants, and 8,000+ models, giving OEMs and suppliers the ability to identify new opportunities, defend against competitors, and optimize current programs, capacity, and business performance.

Updated monthly and backed by 10 years of historical data, our Light Vehicle Production Forecast provides detailed analysis on regional economics, sales, production, competitive segmentation, product cycles, and manufacturing strategies. Geographic coverage of 50+ production countries across seven regions represents 99% of global light vehicle production.

Field coverage of 30+ attributes are reported consistently for all light vehicles produced.

Full subscribers also have access to detailed cycle timing information including product actions and system redesigns (facelifts) for chassis, engine, exterior, interior, suspension, and transmission.

ADD-ON MODULES
- Contingency Forecasts
  Provides two alternative model-level forecasts using the same 30+ detailed fields as the base production forecast.
- Plant Capacity Utilization
  Provides analysis for each light vehicle assembly facility (plant) including production structure setup, and global analysis for total capacity/utilization by OEM and region.
- Export Destination
  Provided for each vehicle and plant, this module covers sales regions, markets, and countries; currencies of both production countries and sales countries; and sales nameplate.
- 12-Year Extension
  Extends our 7-year forecast volumes to include years 8–12.
- Body Style
  Extends forecast coverage to 30 body styles. Includes vehicle silhouette and the number of apertures/doors.

Vehicles-in-Operation Aftermarket Forecast

WorldView
Building from the most credible, VIN-based historical registration data available, we offer a 5-year VIO forecast across the United States and a 15-year forecast for the rest of the world.

You will no longer struggle to develop a VIO forecast internally. You can rely on our forecasting experience and expertise to guide your product lifecycle planning and provide accurate insights into strategic market shifts.

The VIO Forecast includes both vehicles currently on the road and those set to launch within the forecast horizon. With WorldView, you can plan for future vehicle populations, build a detailed part-level forecast, and predict vehicle replacement parts.

ihsmarkit.com/auto-forecasts
Commercial Vehicles

Get the world’s best insight into light, medium and heavy commercial vehicles.
Medium & Heavy Commercial Vehicle Forecasts – Global/Regional

Covering more than 95% of the global truck market, our Medium & Heavy Commercial Vehicle forecast subscriptions provide sales and production insight by region, country, manufacturer, segment, and plant. Our MHCV subscriptions include:

**Medium & Heavy Commercial Vehicle Industry Forecast**
Providing production and new registration truck sales in more than 75 countries, the MHCV Industry Forecast offers a consistent 12-year view to the brand level by weight segment that can be tailored by country, manufacturer, and medium and heavy gross vehicle weight segments for rigid and articulated trucks greater than six tons.

**Medium & Heavy Commercial Vehicle Model Production Forecast**
Provides model and platform-level production forecasts (assembly plant and capacity), analysis, and cycle plans of medium- and heavy-duty trucks and buses globally.

The forecasts leverage 10 years of historical data to present a 7-year (current plus 6 years) view of uniformed and consistent weight segmentation for vehicles over six tons.

**Medium & Heavy Commercial Vehicle Engine Production Forecast**
Providing the most comprehensive technical and geographic coverage of current and future medium/heavy engines, the MHCV Engine Production Forecast is based on 10 years of historical data covering 20+ technical engine attributes for vehicles greater than six tons. It provides a 7-year view (current plus 6 years) into engine production by platform, model, plant, and engine installation.

**Medium & Heavy Commercial Vehicle Model Family Sales Forecast**
Provides 7-year model-level forecasts for key commercial vehicle markets around the world. Covering vehicles greater than six tons, the forecast details body type, weight class, program and platform codes, and start and end of production.

**Reinventing the Truck**
Major shifts loom in the medium and heavy-duty trucking industry. Alternative powertrain options, driverless technology, and increased logistical efficiency are just some of the themes around which there is major uncertainty.

We are uniquely positioned to look within and across these inter-related industries and offer insights into the changing landscape. In Reinventing the Truck (RTT), we brought together supply chain, automotive, and energy expertise to identify and address the major unknowns facing the industry. This one-time purchase of a market update refreshes our scenarios for the future of trucking and extends our forecasts to 2050.

**Medium & Heavy Commercial Vehicle Alternative Propulsion Forecast**
IHS Markit’s new Medium & Heavy Commercial Vehicle (MHCV) Alternative Propulsion module brings to market a unique dataset with technical specifications of existing and upcoming commercial-vehicle models. Building on previous high-level analysis of MHCV propulsion trends, this dataset answers the classic “who, what, when, where, how” questions and, by doing so, creates value well beyond the sum of the parts.

**Medium and Heavy Commercial Vehicle Plant Capacity Forecast**
Automotive OEMs’ production capacity and utilization are key indicators not only for the industry but also for the global economy. Access to reliable capacity and utilization forecasts – along with an understanding of their short- and long-term implications – is fundamental to identifying industry growth opportunities and red flags. The IHS Markit Medium and Heavy Commercial Vehicle (MHCV) Plant Capacity Forecast provides information and insights to support you in optimizing planning and investment decisions, maximizing opportunities and minimizing risks, and building winning competitive strategies.

ihsmarkit.com/trucks
Electrification, Powertrain & Compliance

The most comprehensive coverage of current and future propulsion systems
Electrification

Electric vehicle (EV) technology is on the cusp of a steep deployment growth stage that will greatly impact the automotive and transportation industries. In a decade or less, the BEV will meet the four criteria that make it competitive or better than the internal combustion engine (ICE) vehicle—purchase price, variety of models for most use cases, public charging infrastructure approaching gas station coverage, and much lower operating costs than ICEs. We help automakers and suppliers navigate this seismic change for how vehicles are powered.

Our Electrification Capabilities

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<td>decisions with speed and confidence. Our consultants cover a range</td>
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<td>of key topics across the electrification landscape designed</td>
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<td>specifically for your unique challenges.</td>
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ihsmarkit.com/powertrain-electrification
Powertrain Forecasts

Our solutions deliver industry-leading analysis for currently available powertrains and future propulsion technologies. Armed with these insights, business, product, and marketing strategists can make better planning and investment decisions.

Transmission Forecast
Providing complete technical and geographic coverage, the Light Vehicle Transmission Forecast provides a seven year view enabling greater insight into production by platform, model, plant, and vehicle installation.

ADD-ON MODULES
- **Driveline**
  Includes standard forecast spanning an 8-year horizon (current year plus 7) across 50+ countries, with detailed installation forecasts by vehicle, engine, and transmission.
- **Alternative Propulsion**
  (also available as a “Stand Alone”)
  Covers 30+ attributes across all alternative-propulsion-powered light vehicles produced.
- **12-Year Extension**
  Provides calendar-year forecast volumes for years 8–12.

Engine Forecast
Providing complete technical and geographic coverage, the Light Vehicle Engine Forecast provides a seven year view enabling greater insight into production by platform, model, plant, and vehicle installation.

ADD-ON MODULES
- **Alternative Propulsion**
  (also available as a “Stand Alone”)
  Covers 30+ attributes across all alternative-propulsion-powered light vehicles produced.
- **12-Year Extension**
  Provides calendar-year forecast volumes for years 8–12.

Alternative Propulsion Forecast
Evolving government regulations and growing consumer demand for increased fuel efficiency are driving massive investment and technological innovation in OEMs’ alternative propulsion strategies. Successful powertrain electrification programs require a thorough understanding of all the factors involved in replacing current systems—technologies, timing, model cycles, competitive strategies, supply-chain implications, and more. The Alternative Propulsion Forecast provides a seven year forecast covering 30-plus attributes consistently across all alternative propulsion-powered light vehicles produced.

ADD-ON MODULES
- **12-Year Extension**
  Provides calendar-year forecast volumes for years 8–12.

Sales-Based Powertrain Forecast
What is your strategy for achieving CO₂ compliance? What electrification or fuel types have the greatest growth potential? How will the state of individual market’s charging infrastructures and legislative policy effect powertrain sales? We provide detailed Sales-Based Powertrain Forecast for the United States, Canada, Brazil, United Kingdom, Italy, Germany, France, Spain, Netherlands, Sweden, Norway, Rest of EU30, mainland China, and Australia, which enable a more thorough market insight based on client’s segmentation. We can also help with the identification of relevant legislative drivers—e.g. stricter emission requirements, urban access regulations etc.—and assess their effect of sales volumes and model choice.

US State EV Density Forecast
Navigating the US automotive market is becoming increasingly complex. State-level forces, and their responses, are impacting local vehicle markets in a unique way that cannot be observed through a national forecast. Automotive stakeholders need support interpreting how these factors impact state-level automotive markets and drive state vehicle and powertrain forecasts. We provide detailed forecasts for each state individually, driven by a robust and repeatable methodology.

ihsmarkit.com/powertrain-electrification
Vehicle Performance and Compliance (VPaC)

VPaC provides critical insight into the single greatest area of research and development (R&D) in automotive. Starting with a view into OEM fleets and competitive CO₂ performance, VPaC identifies who will strike the best balance between performance and emissions (by brand, segment, or model line) and which OEM may face financial penalties. VPaC offers a one-stop shop for vehicle performance and compliance insight. The base forecast and three ADD-ON MODULES include:

**CO₂/Fuel Economy (Base forecast)**
Integrates sales-based powertrain forecasts with fuel consumption and fuel economy & CO₂ regulation parameters

**ADD-ON MODULES**
- **Vehicle Performance:** Enables insight into competitive position on the important trade-offs between vehicle performance and efficiency.
- **Vehicle Compliance:** Provides an unbiased, physics-based independent outlook on potential OEM compliance gaps.
- **12-Year Extension**
  Adds 5 additional years to the forecast horizon.

Compliance Suite
The Compliance Suite will provide comprehensive data and analytics illustrating technology pathways along with their associated investments in meeting fuel economy regulation.

**EU) COMPLIANCE+**
How far is a fleet from compliance? How much are the associated fines?
Identify the gap between the current fleet mix and compliance regulations. Gauge current and future fleet-average position and assess the fines associated for non-compliance.
For the United States and China, this functionality is included in Compliance Tech

**COMPLIANCE TECH**
What technologies can help close the compliance gap?
Apply various “force compliance” options based on pre-defined pathways and see the likely outcomes. Pathways to compliance include:
- Mechanical
- Electrification
- Fleet mix & credits

**COMPLIANCE COST**
How much will pathways to compliance cost?
Enables financial planners to understand the overall investment of the technology required for achieving compliance based on the three specified routes outlined in the Compliance Tech module.

ihsmarkit.com/powertrain-electrification
Components & Technologies

A wealth of original thought leadership, data, and analysis for components, technologies and the vehicle ecosystem
AutoTechInsight is the gateway to our component and technology research, thought leadership and analysis.

AutoTechInsight is a business intelligence platform providing access to a wealth of original research, analysis, forecasting and thought leadership on automotive technology, the vehicle eco-system, and the supporting supply chain. The platform has the widest and deepest coverage on vehicle technology, ranging from e-mobility hardware and autonomy-enabling hardware to traditional domains such as chassis and interior which are being impacted by the automotive industry's megatrends.

AutoTechInsight serves this wealth of intelligence through a variety of asset types, from daily news and insights to granular data sets and insightful analytics. A variety of automotive stakeholders use AutoTechInsight for making critical business decision on an ongoing basis.
AutoTechInsight Services
Offering a lens into a dozen vehicle component categories featuring news & insights, reports, profiles, and more.
Each of the 13 services provide the insight you need to anticipate future demand, access competitive intelligence, and stay abreast of changing dynamics.

Component Forecast Analytics
Providing timely, reliable, and comprehensive automotive component forecasts.
Component Forecast Analytics (CFA) provides current and prospective granular data on components and subsystems to address specific workflows and questions that are common to those wanting to understand more about the auto supplier sector.

Four levels of granularity are available:

CFA SUPPLIER METRICS
- All OEMs
- 80+ Analytics
- 140+ Components and Subsystems

CFA MODEL
- All OEMs
- 75+ Analytics

CFA OEM
- 90+ Components and Subsystems
- Top 20 OEMs
- 35+ Analytics
- 150+ Components
- All OEMs
- 5 Analytics
- 600+ Components
- Divided into 11 domains

ihsmarkit.com/auto-components-systems
Features & Technology Benchmarking

Unprecedented ability to compare automotive technologies and specifications side-by-side.

Features and Technology Benchmarking (FTB) provides automotive stakeholders with visibility into current and future OEM technology and feature strategies backed by granular data on over 300 technologies based off our vehicle and powertrain forecasts.

On top of a granular data at the model level, the tool also provides intuitive analytics to help benchmark individual models and brands, understand their strengths and weaknesses, identify gaps in a carmakers’ feature offering and future must-have technologies.

- 300+ technologies
- 1000+ technology types
- 40+ specification fields
- 5000+ vehicles
- 250+ brands
- 30+ analytics and a vehicle spec comparison tool
- 6 year forecasts

Materials & Lightweighting

Lightweighting and Material section is one of the biggest challenges automotive manufacturers face today. Material and manufacturing process selection is critical to achieve lightweighting targets and vehicle sustainability targets. The Materials and Lightweighting domain aims to quantify demand and provide visibility into the material trends in the light vehicle market.

Materials and Lightweighting provides OEMs and suppliers comprehensive data and analytics to better understand the materials and manufacturing processes used in different vehicle domains (Body-in-White, Chassis and Powertrain).

Consumer Surveys

Our Consumer Survey reports and companion databases indicate that innovative technologies, new services, and increased connectivity are key deciding factors when considering a new vehicle purchase.

The surveys take input from 8,000 vehicle owners intending to purchase a new vehicle within the next 36 months, across eight key automotive markets—the United States, China, Germany, the United Kingdom, Japan, India (new), Brazil (new) and South Korea (new).

Surveys are available for:
- Connected Car
- E-Mobility
- User Experience

Technology & Mobility Advisory Services

Launching new automotive technologies is challenging for even the most experienced firms. At a time when the automobile is moving from personally-owned transportation to become a shared, self-driving “fully-connected moving computer,” launching new technologies brings even more levels of complexity.

We help you to drive innovation and strategic investment with advisory services that deep dive into technology readiness, costs, consumer adoption curves, and recommendations for strategic corporate investments.

Leveraging our off-the-shelf solutions, including Connected Car Service, Autonomy Forecasting, MobilityInsight and UX/UI Service, we can customize answers for your most challenging questions.

ihsmarkit.com/auto-components-systems
New Registrations & Vehicles-in-Operation

Analyze new registrations and vehicles that are on the road
Global Registration and Sales Analysis by Model

MarketInsight
MarketInsight is an intuitive web-based system that provides immediate access to the most comprehensive source of vehicle sales and registration data at a national and subnational level. Combined with our accredited forecasting methodologies, analytics (modeling) and expertise, you are able to better identify customer profiles and predict demand across geographies, markets, segments and dealer networks — globally and consistently.

New vehicle registrations
National monthly new registration data for 80+ countries covering 97% of global vehicles sales. Data cover make, model, and technical details, pricing and specification data, sales channel and emissions details to help product and sales managers.

Used vehicle registrations
As vehicles return from rental companies and the fleet sector, they need to be remarketed. MarketInsight enables automotive manufacturers, NSCs, and dealers to understand used vehicle trends and shift inventories to countries and regions where they are in demand.

Vehicles-in-operation (VIO)
Detailed analysis and forecasts in more than 45 countries, covering 90% of global VIOs.

Global Auto Demand Tracker
Automotive demand has been severely impacted by numerous factors such as COVID-19, the global chip shortage and the conflict in Ukraine. Global Auto Demand Tracker helps to monitor what is going on, and the pace of recovery. We leverage the most up-to-date data for the last concluded calendar month for 150+ countries.

Immediately upon arrival, data for the last concluded calendar month is turned around on a rolling basis. When actual data are not yet publicly available, the tracker is enhanced with estimates from our Sales Operations Forecast to provide immediate insights.

The Global Auto Demand Tracker is available at both a brand- and model-level. Data include:
- 150+ countries
- 350+ makes/brands
- Fuel-type (BEV, FCV, HEV, ICE, MEV, Plug-in)
- Registration-type (Passenger Cars, Light Commercial Vehicles)
- Body-type level (Car, MPV, Pickup, Sport, SUV, Van, Others)
- Views include year-over-year and month-over-month to track emergence of countries from the state of crisis
- OPTIONAL: Make-model (Audi: A1, A3, A4 ..., BMW: 1-Series, 2-Series, ...)

ihsmarkit.com/auto-registrations-vio
Registrations and Vehicles-in-Operation (VIO) Solutions

Aftermarket Planning & Cataloging

For more than 30 years, the automotive aftermarket industry has considered S&P Global Mobility the leading provider of automotive forecast data and VIO information. WorldView is a “one-stop solution” for aftermarket professionals looking for credible, third-party data to guide product planning, production, distribution, inventory management, cataloging, and other critical business decisions.

**Vehicles-in-operation data**
Access current and historical VIO data for over 70 countries. Accurate VIO data help you build, order, and stock appropriate parts to meet customer demand.

**OE parts research**
Access our extensive research (OE part numbers, specifications, and vehicle fitment details) for 31 European markets mapped to TecDoc codes, and VIO population counts.

**VIO trends & forecast**
Understand projected US and global vehicle counts for a five-year time period to make solid production planning, inventory management, and investment decisions based on knowledge of future demand for your parts. Includes ACES and TecDoc coding for precise data on market demand for specific parts.

**Global vehicle equivalent identification**
Gain insights into parts compatibility on vehicles in disparate global markets. This innovative feature, not available elsewhere, helps bridge ACES to TecDoc codes as a starting point for determining the common parts needed on vehicles produced and sold in markets around the world.

ihsmarkit.com/auto-registrations-vio
Sales & Network Operation Solutions

Measure performance and find the optimal locations for showrooms

S&P Global Mobility
Sales and Network Operation Solutions

Dealer Network Solutions

Our Dealer Network Solutions enable national sales companies and automotive service providers to determine the best location and configuration of their retail networks. From adjusting the size and shape of dealers’ territories, to determining the best location for a new dealership, we are here to help. We can help you optimize the market performance of your retail network with critical insight into market volume, customer drive time, and dealer distribution, location, and density.

Our Dealer Network Solutions include:

**Dealer Network Development (DND) studies**
Our customized DND studies help determine network gaps and evaluate existing dealerships regarding location and potential. The analysis provides:
- Ideal network simulation
- Network/dealer gap assessments—providing insight into your network’s “distance” from the “ideal”
- The impact of “bridging the gap”—moving from status quo to the ideal

**NetworkInsight**
NetworkInsight is a web-based simulation tool that complements and drives DND analysis and updates. NetworkInsight offers users the ability to:
- Interact with DND analysis via a mapping tool
- Perform “what if” analysis and measure the impact of different scenarios (add, close, relocate)
- Calculate new potential for all points including cannibalization impact
- Perform site potential simulations
- Access monthly reporting data and dealer performance reports

**New Retail**
As disruptive megatrends—digitization, electrification and shared mobility—become a reality, we help automakers understand how they will impact dealer networks in the future. Our New Retail advisory service considers:
- Special treatment of battery electric vehicle potential
- How shared mobility services might replace a significant share of private retail sales
- The onset of diverse dealer types
- The digitization of customer journey and impact on capacity planning needs

Additional sales and network operations solutions

**Post-Sales Marketing Solutions**
In the aftersales world, existing customers are your best source for future business, and your service departments play a major role in customer retention. In fact, there’s a direct correlation between service loyalty and future vehicle sales, which lead to long-term loyalty to the dealer, the brand, and the manufacturer.

The Catalyst for Aftersales solution uses key customer and prospect data, as well as relevant market intelligence to provide insights to maintain customer retention and loyalty, to avoid customer defections, to grow parts and service revenue, and to increase overall profitability.

Catalyst of Aftersales helps meet your overall business goals by managing key touchpoints during the vehicle ownership life cycle.

**Sales Operation Forecast**
How are the latest monthly registrations impacting this year’s volume planning? What effect will this have in coming years and future vehicle generations?

The Sales Operations Forecast provides answers and an independent third-party view to these critical inputs.

Published within days following the release of latest actuals and updated monthly, the Light Vehicle Sales Operations Forecast greatly enhances your short- to mid-term planning.
Advisory Services

Solutions scaled towards your specific needs
Advisory Services

Automotive Advisory Services - Transforming data into knowledge

Deep expertise, coupled with the largest commercial repository of automotive intelligence, can help you tackle your greatest strategic and operational challenges.

We are a world leader in critical automotive information, analytics, and expertise. We deliver next-generation insights and solutions to help customers with their greatest strategic and operational challenges. Now, as the automotive ecosystem moves from an Internal Combustion Engine (ICE) single-owner vehicle to a connected, autonomous, shared, and electrified (CASE) computer on wheels, it has never been more important to have a window into the future and understand what it means for century-old business models. We can help you determine your strategic vision and test future scenarios for vehicle demand, use cases, and the viability of new technologies.

Sales & market planning
Vet and support market strategies with in-depth, custom scenario planning and insights from a proven business partner.

EV planning services
Identify the business challenges and opportunities to thrive in an electrified automotive environment including: component and vehicle level product and launch planning, sales and marketing support, future retail network optimization.

OEM sales & marketing
Identify actions that drive ROI on sales and marketing expense including increasing loyalty and conquest effectiveness, customer targeting, competitive positioning and insights as well as product strategy support.

Dealer network planning
Optimize retail networks, design the retail sales approach of the future including physical, digital, with deep customer insights, dealer model and profitability considerations including format and resource optimization leveraging industry leading datasets and methodologies.

Technology & mobility
Plan for tomorrow, leveraging industry-leading strategic insights into the dramatically changing mobility landscape and the enabling technologies and solutions.

Our approach
Our unparalleled expertise, best-in-class data assets, and deep industry insights drive critical decisions with speed and confidence. From single projects to ongoing support, we offer a variety of solutions that can be scaled toward your specific needs.
The S&P Global Mobility Advantage

S&P Global Mobility is harnessing the deepest sources of information, analytics and expertise to forge solutions for the industries and markets that drive economies worldwide. Leaders in business, finance and government rely on us to help them see the big picture and interconnected factors that impact their organizations. This knowledge allows them to understand why things happen and focus on what really matters.

Our Experts
Access 750+ industry-leading subject-matter experts 1-on-1
Get a deeper understanding on the specific topics you need across a vast array of interconnected industries. Schedule a session today with our easy-to-use online booking tool, or through our premium concierge service.

ihsmarkit.com/experts

Data Lake
Explore, access and coalesce our data, your data and third-party data on a single, cloud-based platform
Populated with over 1,000 of our datasets from multiple industries, including financial services, automotive, maritime, energy & natural resources, data have been curated into more than 350 packages to expedite time-to-value.

ihsmarkit.com/datalake

Climate and Sustainability Hub
Learn about the global drivers of climate change affecting the automotive industry
Gain insights into energy and climate policies and regulations, batteries and energy storage reports and scenarios, climate and cleantech trends, and more from our Climate and Sustainability research.

ihsmarkit.com/CSGHub
S&P Global Mobility

We provide market-wide insight, expertise, and advanced planning solutions for the automotive industry. With a legacy dating back to the 1920s when R. L. Polk published the first vehicle registration reports, we now deliver next-generation insights and solutions to help customers improve operational efficiency and inform confident strategic decisions. Our expertise spans every major market and the entire automotive value chain—from product planning to marketing, sales and the aftermarket. With a reputation of enabling better decisions and better results, the world’s leading automakers, suppliers, and their stakeholders rely on us to power growth, improve efficiency, and drive a sustainable competitive advantage.

Sustainability

Contributing to a better world is a core value, and our commitment to sustainability is a key part of our company DNA. The year 2016 was transformational for our company and for the global community of organizations committed to corporate sustainability. We immediately adopted sustainability as one of our five corporate goals. We also emerged as a frontrunner in addressing sustainability issues from a new perspective. Our unique ability to look at business information in a holistic way provided us with a natural advantage when tackling economic, environmental and social sustainability challenges through a new global framework – the United Nations Sustainable Development Goals (SDGs).

S&P Global Mobility

At S&P Global Mobility, we provide invaluable insights derived from unmatched automotive data, enabling our customers to anticipate change and make decisions with conviction. Our expertise helps them to optimize their businesses, reach the right consumers, and shape the future of mobility. We open the door to automotive innovation, revealing the buying patterns of today and helping customers plan for the emerging technologies of tomorrow.

S&P Global Mobility is a division of S&P Global (NYSE: SPGI). S&P Global is the world’s foremost provider of credit ratings, benchmarks, analytics and workflow solutions in the global capital, commodity and automotive markets. With every one of our offerings, we help many of the world’s leading organizations navigate the economic landscape so they can plan for tomorrow, today. For more information, visit www.spglobal.com/mobility.

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