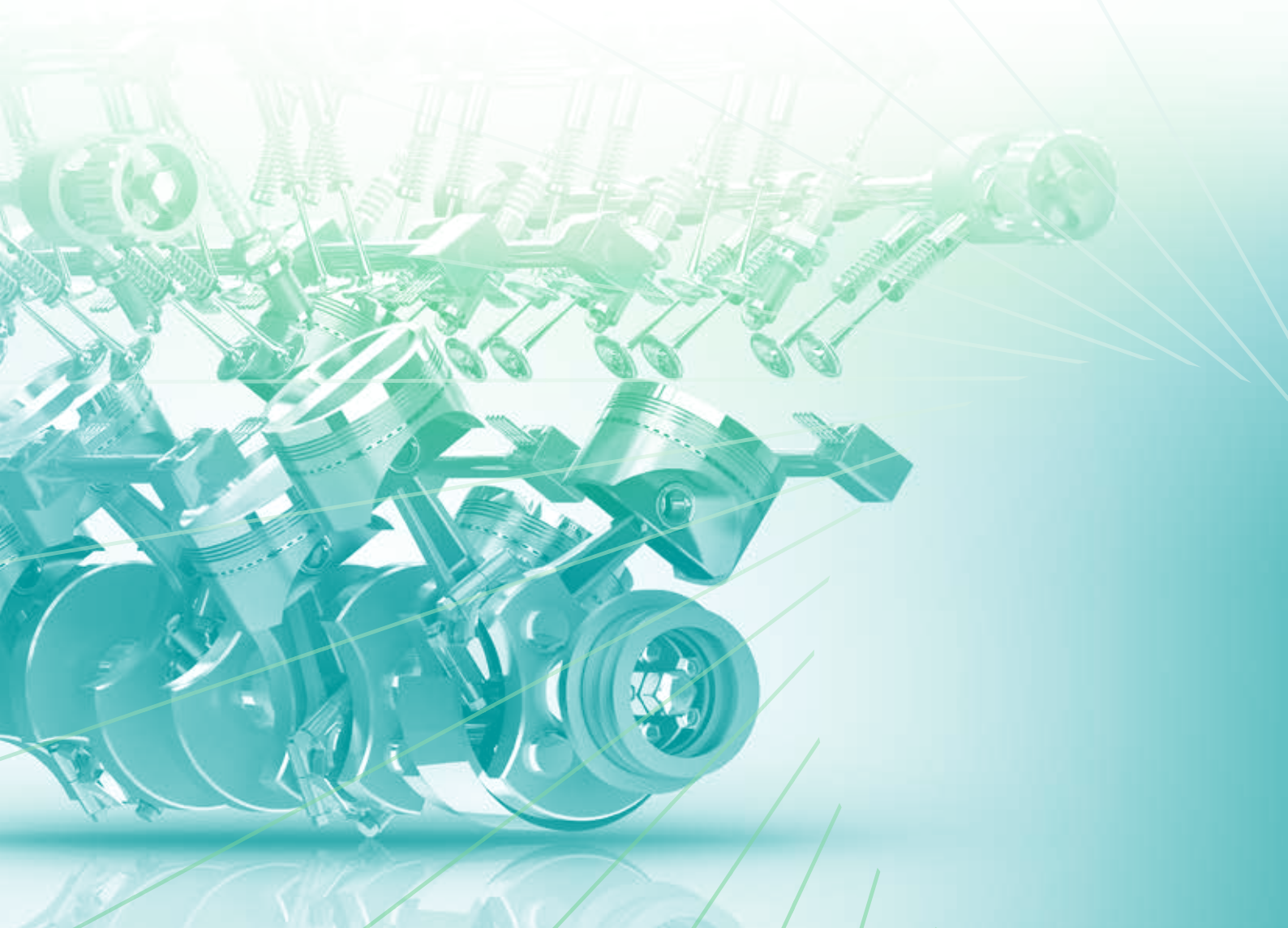




IHS Markit™

# Light Vehicle Powertrain Forecasts

The most comprehensive coverage of current and future engines, transmissions, and alternative propulsion systems.



Light Vehicle Powertrain Forecasts from IHS Markit are powerful tools for analyzing production by platform, model, plant, and vehicle installation. The forecasts provide complete technical and geographic coverage for engines, transmissions, and alternative propulsion systems.





# Access the most comprehensive coverage of current and future powertrains

Rapidly changing market trends, tightening regulations, powerful technology innovations, and intense competition make keeping up with the global powertrain market a significant challenge. Light Vehicle Powertrain Forecasts help OEMs and suppliers make timely, more informed decisions about engine, transmission, and alternative propulsion production and deployment strategies. Our experts bring a complete understanding of industry influences including energy market dynamics, current and future legislation, tax structure for fuel, global manufacturing footprint, light vehicle market segmentation, vehicle production drivers, and breadth of technical solutions. The resulting forecasts enable stakeholders to:

- Guide technology strategy development and deployment
- Identify and target new opportunities
- Forecast volume and revenue plans
- Develop long-term investment plans
- Evaluate competitive portfolios and technologies
- Align supplier relationships

## Powerful tools for analyzing production by platform, model, plant, and vehicle installation

### Light Vehicle Powertrain Forecasts include:

- Standard forecast over a 7-year horizon (current year plus 7)
- 10 years of historical data
- Written platform/program analysis
- Global coverage across 50-plus countries
- Model cycle plan start/end of production timing
- Monthly forecast updates
- Detailed forecasts of production
- Optional add-on modules



# Light Vehicle Powertrain Forecasts



## Engine Forecast

The Light Vehicle Engine Forecast helps you make timely, more informed decisions about engine production and deployment strategies.

The forecast covers:

- 29 engine attributes
- Additional vehicle production attribute

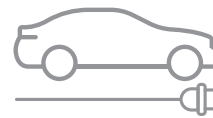


## Transmission Forecast

The Light Vehicle Transmission Forecast provides detailed insights into future trends that are influencing transmission technologies.

The forecast covers:

- 14 transmission attributes
- Additional engine and vehicle production attributes



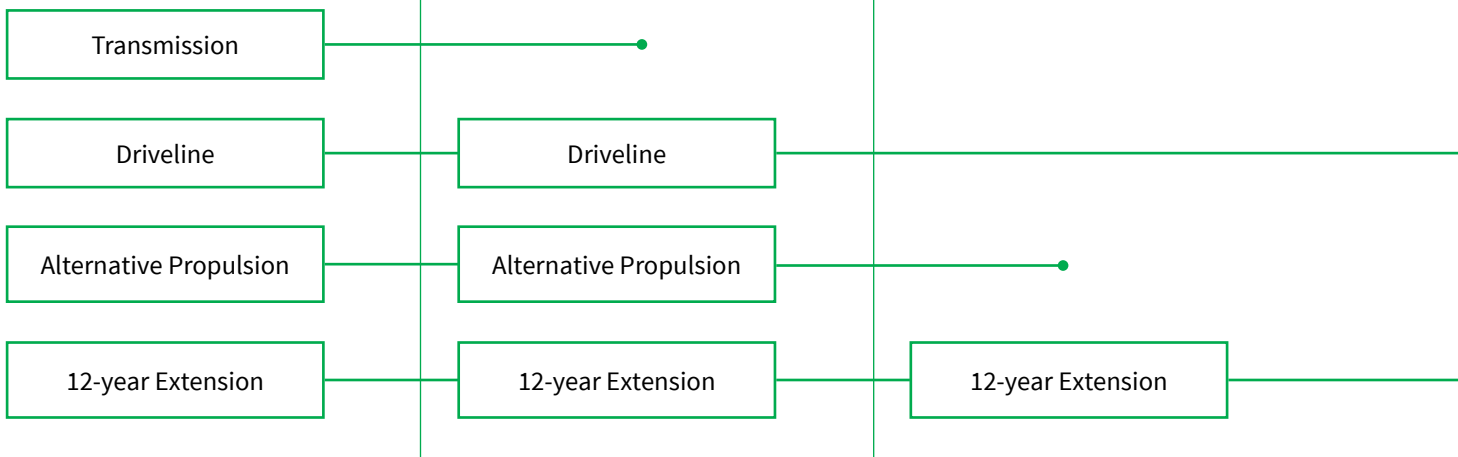
## Alternative Propulsion Forecast

Provides an accurate and comprehensive view of the alternative propulsion market so you can implement a successful powertrain electrification program.

The forecast covers:

- 13 attributes consistently across all alternative-propulsion-powered light vehicles
- Additional vehicle production, engine, and transmission attributes

### Optional add-on modules



The forecasts are updated monthly. Data are delivered in quarterly buckets.



# Complementary Solutions

Light Vehicle Powertrain Forecasts are available separately or together to enable seamless analysis across all powertrain systems



## Vehicle Performance and Compliance Monitor

Twelve-year forecast for CO<sub>2</sub> emissions, fuel consumption, and acceleration performance for more than 60,000 vehicle-powertrain combinations—including 160-plus attributes per vehicle—across the United States, EU 28, China, and Brazil. Enables OEMs and suppliers to balance regulatory compliance with vehicle performance.



## Powertrain Components and Technology Service

Tracks developments of existing or new component technologies applied to engine and transmission as well as fuel efficiency and emission regulations. Service includes: sector news and analysis, topical reports, supplier profiles, and the Who Supplies Whom survey database. Individual component forecasts are also available.



## Driveline Module

Understand the growth drivers, sector dynamics, and specific opportunities for all-wheel and 4-wheel drive with detailed driveline installation forecasts by vehicle, engine, and transmission.

+5

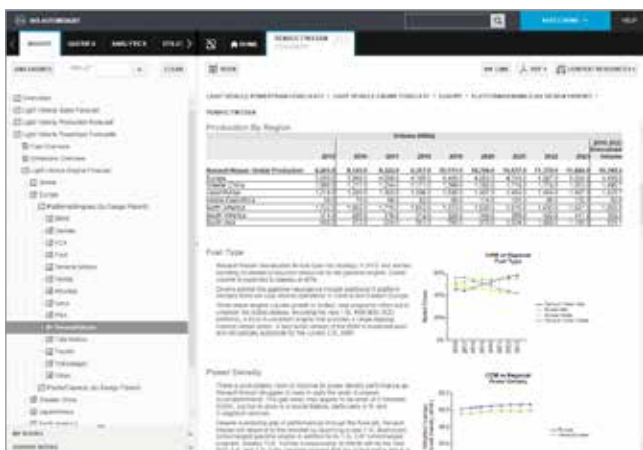
## 12-year Extension Module

Extend the insight and analytical capabilities of the Light Vehicle Powertrain Forecasts by an additional five years.



# Inform your complex product planning decisions with deep coverage, unmatched insight, and advanced analytical tools

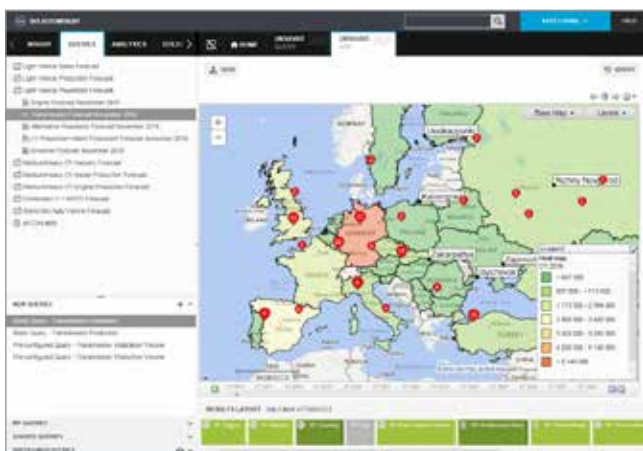
The Light Vehicle Powertrain Forecasts are delivered via AutoInsight. AutoInsight is a proprietary Web application that allows you to read insights, save and share queries, assess trends, and access Efiles all in one place. The content in AutoInsight is fully integrated with links that allow you to jump to related information as you explore the forecast.



Access detailed **Insights** including global and regional strategic highlights, global platform analysis, quarterly production, short- and long-term outlooks, forecast rationale, platform volumes, and nameplate timing.



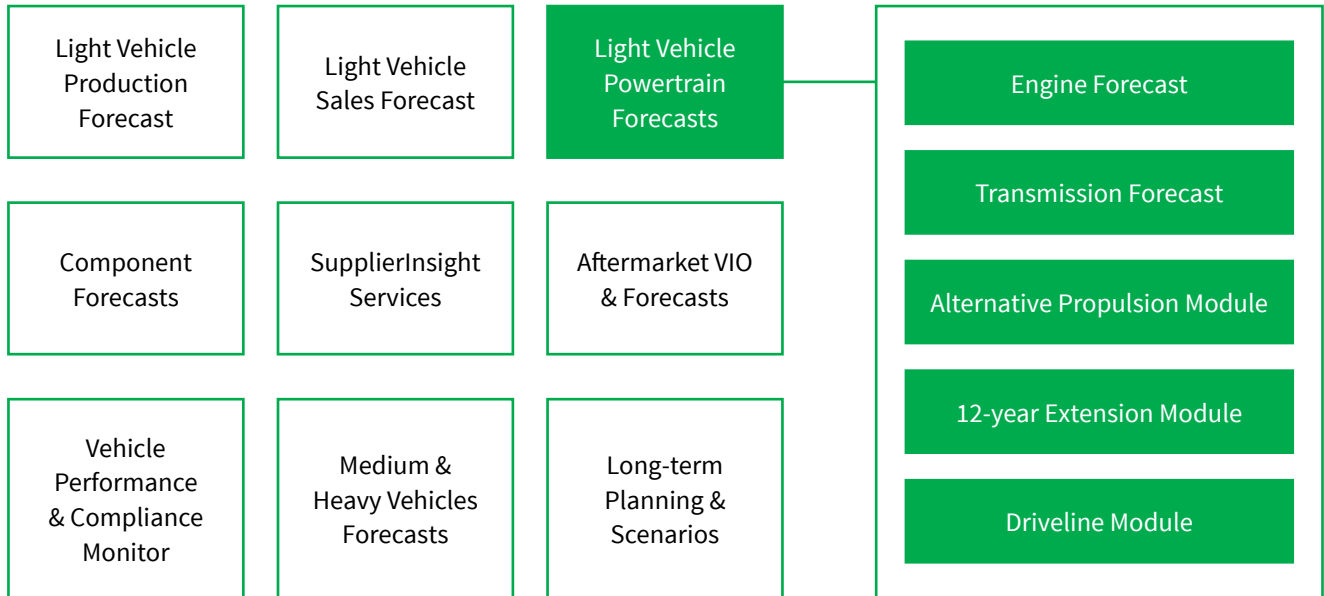
Using interactive “drawers”, the **Analytics** tab in AutoInsight allows you to further explore the forecast. Click on the interactive graph to dive deeper and adjust the chart to view by attribute. Charts can be exported directly to Microsoft Excel.



Create heat map and plant location **Queries**. The heat map provides animation to view changes across the forecast horizon. In addition, maps can also reveal manufacturing plant locations and link to further information.

## Need more information?

The Light Vehicle Powertrain Forecasts are one of several forecast planning solutions offered by IHS Markit. Our full portfolio of product planning solutions includes:



## Automotive solutions from IHS Markit

IHS Markit (Nasdaq: INFO) is the automotive industry's leading source for market-wide insight, expertise and advanced planning solutions. With a reputation of enabling better decisions and better results for nearly a century, the world's leading OEMs, suppliers and their transportation partners rely on IHS Markit to power growth, improve efficiency and drive a sustainable competitive advantage.

Automotive offerings and expertise at IHS Markit span every major market and, the entire automotive value chain -- from product planning to marketing, sales and the aftermarket. Headquartered in London, our automotive team is part of IHS Markit's information and analytics powerhouse that includes more than 15,000 colleagues in 150 countries, covering energy, chemical, aerospace and defense, maritime, financial, technology, media and telecommunications.

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