IHS Markit and Novation Analytics have brought together three revolutionary capabilities that will enable you to achieve the perfect compromise between efficiency, emissions, performance and compliance.



Deliverables include

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- Access to a dedicated portal containing a range of precomputed analytics, tables, and databases
- Semi-annual subscriptions at the sales market (United States, EU28, Brazil, and China) and module access (CO₂/fuel economy, performance, compliance)
- Projected fuel consumption, tailpipe CO2 emissions, and acceleration performance for over 36,000 unique vehicle-powertrain combinations
- Over 160 attributes per vehicle-powertrain combination
- Current, plus seven-year forecasts
- Optional twelve-year extension forecast module adds five additional years to the base forecast

About IHS Markit automotive solutions

IHS Markit offers clients the most comprehensive content industry available anywhere in the world today. Our automotive solutions provide expertise and predictive sales and marketing efforts used to maximize potential in the marketplace. No other source provides a more complete picture of the automotive industry. For more information, please visit www.ihs.com/automotive or

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AUTOMOTIVE

Vehicle Performance and Compliance Monitor (VPaC)

Powered by Novation Analytics

Understand, Plan, and Balance: Efficiency, Emissions, Performance + Compliance



EUROPE, MIDDLE EAST, AFRICA

What's at stake?



Brand image as a leader in technological advancements and environmental sustainability

perception of vehicle performance, utility & efficiency

vehicle profitability/ market share

400 billion

Estimated global incremental spend on technology solutions

for light-duty vehicle energy management to 2020

5-8 billion

Estimated average annual

incremental spend per OEM

Balancing global powertrain development remains as polarizing and politically charged as ever. Manufacturers need to navigate with growing urgency an increasingly complex landscape. The result is a mixture of complex decision making and vehicle energy management technology spread-betting.

To balance the politics of regulation with customer demand for fuel efficiency technology, internal OEM and supplier departments will need to come together more tightly than ever before to achieve the "Perfect Compromise" of efficiency, emissions, performance & compliance.

IHS Markit Vehicle Performance and Compliance Monitor (VPaC), powered by Novation Analytics

Leveraging the industry-leading forecast methodology and deep industry expertise of IHS and a computation core provided by our partner, Novation Analytics, this cloud-based portal offers three core modules:

CO₂ /Fuel Economy

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Vehicle Performance

and efficiency.

Integrates sales-based powertrain forecasts with fuel consumption and fuel economy & CO₂ regulation parameters.

Enables insight into competitive positioning on the important tradeoff between vehicle performance

Provides an unbiased, physicsbased independent outlook on potential OEM compliance gaps, the single biggest area of global automotive R&D investment.

Vehicle Compliance

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 enabling:

Automakers to:

Improve product planning and marketing

Determine CO₂ and fuel economy for competitors' future vehicles across your segments

Improve product engineering

- Determine the competitive CO₂ and fuel economy targets/benchmarks to which you are designing
- Understand tradeoffs of various technology options to achieve mass reduction and powertrain efficiency and the resulting competitive impact on vehicle performance

Manage compliance and sustainability

- Determine the total anticipated CO₂ /fuel economy performance across your entire future sales fleet
- Assess the trade-offs of government compliance penalty fees versus potential market sales volume/revenue versus need to purchase CO₂ market credits
- Develop incentive strategies to sell vehicles

Auto suppliers to:

Improve marketing, sales, and R&D

- Target OEMs and vehicle models that need your technology most
- Determine the cost/benefit business case for my technology versus other viable options

"There are strong indications that the Chinese government will usher in a carbon dioxide credit exchange for automakers — providing what could be a major boost for producers of electric cars. The exchange — which would require automakers to buy carbon dioxide credits if they fail to meet fueleconomy targets — also could be a huge relief for automakers that fall short of China's increasingly stringent fuel-efficiency rules."

> - Automotive News China 4 June 2015

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