

Digital Vortex in The Mobility World – Automotive Engineering Services PEAK Matrix™ Assessment 2017 and Profiles Compendium

Engineering Services

Market Report – December 2017: Complimentary Abstract / Table of Contents

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^{*} Banking, financial services, and insurance



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Background and scope of the research

Background of the research

- The automotive industry is poised to change more in the next 5 to 10 years than it did in the last 50 years. Vehicles are set to become increasingly intelligent, inter-connected, and instrumented. Pervasiveness of digital technologies, rise of non-traditional competitors, and growing popularity of intermediated distribution networks is challenging the long-established traditional business model of Original Equipment Manufacturers (OEM's) and is probing them to innovate in order to respond to the evolving customer demands
- The rapid pace of digitalization is transforming the hardware-driven automotive sector to a software and solutions-focused industry, augmented by consumers' evolving expectations of digital lifestyle and demands for new and innovative services. The digital disruption is not a one-time event, it is rather a journey in which auto manufacturers, service providers, technology majors, and parts suppliers are gearing up for the rising market demand and making large scale investments in resources, partners, solutions, and products
- As automakers evolve their product development ideology from a "one-size-fits-all" approach to an "on-demand hyper-personalized" approach, service providers that can indulge in more consulting-led problem solving and partner with these enterprises on their business transformation journey, will see more success in the marketplace
- In this research, we analyze the capabilities of 19 leading Automotive Engineering (AE) service providers. These providers were mapped
 on the <u>Everest Group PEAK Matrix™</u>, which is a composite index of a range of distinct metrics related to each provider's capability and
 market success. In this report, we focus on:
 - The landscape of engineering service providers in automotive industry outsourcing
 - Assessment of the service providers on a number of capability-related dimensions
 - Characteristics of Leaders, Major Contenders, and Aspirants on the Everest Group automotive engineering services PEAK Matrix™
 - Implications for automotive OEM's, tier-1 suppliers and service providers

Scope of this report

- Services: Automotive Engineering Services (AES)
- Geography: Global
- Service providers: Includes 19 leading automotive engineering service providers



Overview and abbreviated summary of key messages (page 1 of 2)

This report examines the global 2017 automotive engineering service provider landscape and the effect of digital disruption in automotive market. It focuses on service provider position and growth in the engineering and digital operations services in the automotive market, changing market dynamics and emerging service provider trends, assessment of service provider delivery capabilities, and service provider profiles. The report further examines distinctive characteristics of service provider clusters

Some of the findings in this report, among others, are:

PEAK Matrix characteristics

- Leaders are characterized by their global delivery model, extensive consulting capabilities, and good breadth & depth of solutions/services portfolio that has helped them become strategic business partners to their automotive clients
- Major Contenders lag behind Leaders in terms of breadth of solution portfolio, scope, and domain expertise; few have a mature solutions portfolio and dedicated teams while few have limited offerings but a focused talent pool with expertise in selective technologies
- Aspirants have limited coverage and investments are mostly focused on select areas within a particular segment of the automotive value chain

Changing market dynamics

- As automotive OEMs accelerate their digital transformation journey, they are prioritizing investments in the evolving connected vehicles and advanced analytics space
- Security and data integrity landscape is intensifying due to emerging risks such as ethics & cyberthreats
- There is an increased focus on engine efficiency and fuel economy improvement initiatives
- IoT and additive manufacturing investments are helping build this competitive advantage for lead steers



Overview and abbreviated summary of key messages (page 2 of 2)

Emerging service provider trends

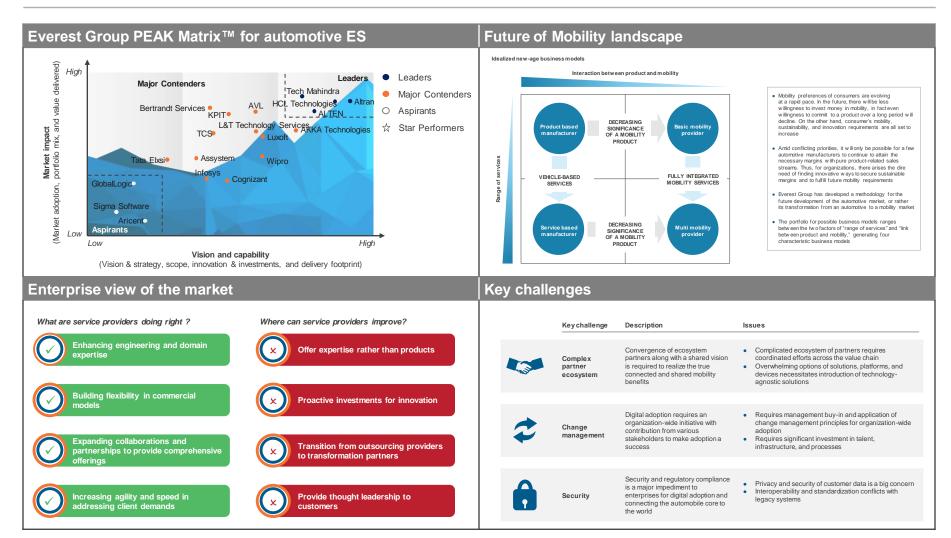
- Service providers are investing in next-generation technologies, new service capabilities such as as-a-service based offerings, Centre-of-Excellence (CoE), and innovation centers
- Large and established service providers are facing stiff competition from their smaller peers as they are proactively delivering innovation using automation, ML, and Al

Service provider delivery capability

- Automotive engineering service providers can be categorized into leaders, major contenders, and niche players on a capability-market-share matrix
- Altran, ALTEN, HCL Technologies are the current leaders in the automotive engineering services market. However, several service providers such as AKKA Technologies, KPIT, L&T Technologies, and Luxoft are emerging as major contenders



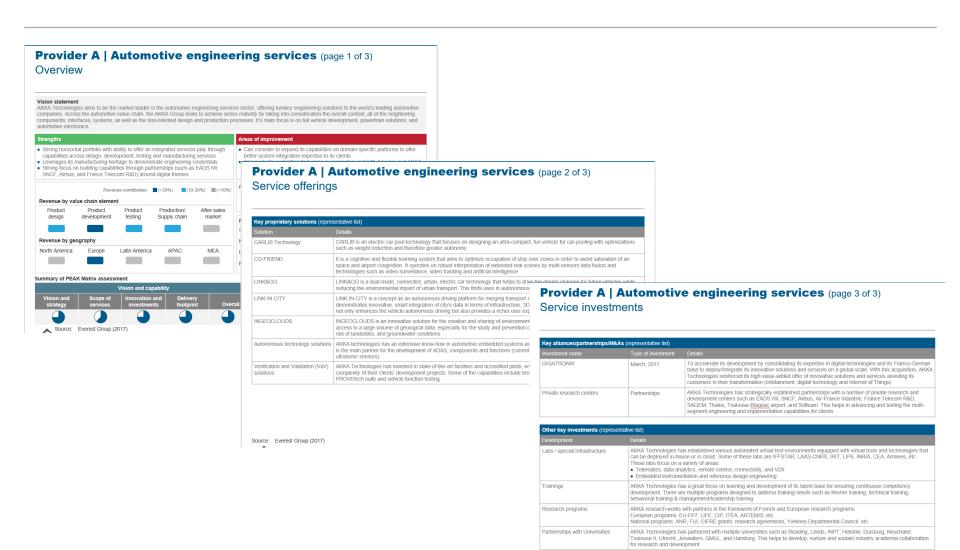
This study offers a deep dive into the key aspects of the mobility landscape & engineering services in the automotive industry



Source: Everest Group (2017)



This report has 19 service provider profiles



Source: Everest Group (2017)



Source: Everest Group (2017)

Research Calendar – Engineering Services

Published Pla	nned] Current release
Flagship engineering services reports	Release date
The Evolving Demand Paradigm in the Engineering and Research and Development (ER&D) Services Industry	October 2016
Top 20 Automotive Trailblazers: The Value Chain Disruptors	October 2017
Software Product Engineering Services – Service Provider Landscape with PEAK Matrix™ Assessment 2017	December 2017
Automotive Engineering Services – Service Provider Landscape with PEAK Matrix™ Assessment 2017	December 2017
Startups in Software Product Engineering – The DevOps enablers	Q4 2017

Thematic engineering services reports

Innovation Beyond Borders – Global Talent Hotspots for Engineering Services and Research & Development (ER&D)	August 2016
In Pursuit of Product Excellence: Quality Management in the Engineering Services Industry	May 2017
Identifying the Right Partners for Quality Management in the Engineering Services Industry – Service Provider Landscape	May 2017
Designing Products in the age of Human-Machine Nexus for the Global Connected Ecosystem	June 2017
Talent Landscape in the GIC Automotive Engineering Market in India	July 2017

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Additional Engineering Services research references

The following documents are recommended for additional insight into the topic covered in this report. The recommended documents either provide additional details on the topic or complementary content that may be of interest

- 1. Top 20 Automotive Trailblazers: The Value Chain Disruptors (<u>EGR-2017-15-R-2359</u>); 2017. This report provides an assessment of digital startups primarily in the automotive landscape. It contains detailed profiles of Top 20 startups encompassing data analytics, autonomous driving, connected vehicles, and electrification areas. Each startup profile provides a comprehensive picture of its technology capabilities, market growth, and perceived investors' confidence. The research also provides a holistic overview of investments, acquisitions, and partnerships in the automotive landscape.
- 2. Designing Products in the age of Human-Machine Nexus for the Global Connected Ecosystem (EGR-2017-15-R-2231); 2017. This report explores the ecosystem-centered design thinking approach, and delves into its constituents, the underlying principles, and the impact on businesses. It also covers some of the current and prospective examples for ecosystem-based design thinking, and discusses the challenges that enterprises need to overcome for successfully implementing this approach.
- 3. The Evolving Demand Paradigm in the Engineering and Research and Development (ER&D) Services Industry (EGR-2016-0-R-1977); 2016. This report provides an overview of the ER&D services industry. It covers demand trends in the ER&D services industry across different industry verticals and global sourcing trends across major ER&D segments

For more information on this and other researches published by Everest Group, please contact us:

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