Automotive Infotainment and Telematics

Mindtree is a global Technology Engineering Services enterprise with revenues of over USD 430 million. Mindtree's 11,000+ engineers create meaningful technology solutions to help businesses and societies flourish. Our consulting-driven approach makes us a strategic partner to 40+ Fortune 500 enterprises.

Mindtree offers comprehensive systems solutions and product engineering services in the Automotive Infotainment and Telematics space. We partner with CXO enterprises to deliver intelligent technology and business solutions that realize higher revenues, lower costs and better product quality. We bring advanced solution accelerators and service offerings to our customers' technology enterprises and drive innovation for them. Our agile processes and methodologies have enabled us to build long-lasting relationships with some of the leading Tier 1's and OEM's in the automotive sector. Our engagements are executed out of our delivery centers in Gainesville, Florida and Bangalore, India (among other global locations).

Our expertise traverses the breadth of the domain shown below:

- Application Development
  (Eg: HMI, UI, Control Applications)
- Wireless Connectivity
  (Eg: Bluetooth, NFC, WiFi)
- Navigation Platforms and Fleet Management
- Vehicle Safety
- Handset Integration (Eg: MirrorLink)
- Driver Assistance
- Cloud-based Infotainment
- Analytics

Service offerings

- **Custom Product Development and Integration**
  We offer end-to-end product engineering and testing services
  - End-to-end development of a low-cost vehicle tracking and diagnostic solution for a leading US OEM
  - Design and development of a low-cost display unit for a US-based commercial transport enterprise, specialized in transport refrigeration systems
  - Vehicle obstacle detection system development for a Japanese OEM
  - Full form-factor portable infotainment unit for a US semiconductor manufacturer
- **Application Development and Testing**
  Mindtree has partnered customer engagements related to application development, testing and maintenance of applications
  - iPhone-based vehicle locator application for a leading US-based telematics solutions provider
  - Navigation and telematics applications for a US-based vehicle navigation vendor
  - MirrorLink-based vehicle infotainment system and applications for an automotive customer in US
  - Location-based applications like 'Alert M' on Android
  - Cloud-based infotainment and telematics solution development for a car OEM
  - HMI development and testing for automotive infotainment

- **Professional Services and Platform Customization**
  We are the professional services partner for some of our platform customers
  - Feature enhancements, testing and maintenance of the service delivery platform for one of the major navigation service providers in Europe. Key features supported include Location-Based Services such as route planning, geo-coding, traffic updates, road condition, device information systems and more
  - End-to-end testing partner for a leading LBS service provider, ensuring the quality of their products and services. This enhances user experience for their 40+ million customers
- **Data Management Services, viz.**
  - Data Hosting Services
  - Data Integration Services
  - Protocol Integration Services
  - 24x7 control room support
- **Data Analytics, viz.**
  - Traffic and Congestion Analysis
  - Traveler Type Analysis
  - Bottleneck Analysis
  - Hypothesis Testing using chi-square test
  - Correlation Analysis

Solutions and frameworks

Mindtree Automotive SDK

- Field-proven Bluetooth 2.1/LE Stacks and Automotive SDK for connectivity
- Lowers development risk
- Faster time-to-market
- Lowers costs
- Low power consumption

Telematics Software Solution

- Over 70,000 field devices including telematics, remotely managed by SaaS solution
- Lowers maintenance costs
- Improves utilization
- Maximizes availability
- Lowers energy consumption

Test Accelerators

- Test automation and frameworks for web & mobile application testing and performance monitoring
- Higher ROI
- Lowers investments
- Multi-platform capabilities
- Extensibility

Mobile Service Delivery Accelerators

- Re-usable components for faster development of mobile websites and applications
- Lowers development costs
- Multi-platform capabilities
- Reference applications
- Built-i UI screens

Success stories

Largest European navigation service provider

- Mindtree is a transformational service partner of this customer, to enable them forge ahead in the market
- 200 offshore team members working on PND-based application development, as well as supporting some of their live services

A leading global supplier of automotive electronics

- Mindtree is a strategic partner for automotive testing such as HIL testing, ECU testing, HMI testing and more
- We provide the customer with testing framework, test cases, test results and automation support

A Tier-1 automotive supplier

- Mindtree partnered this customer to develop and deploy a MirrorLink-based solution
- Launched in 2012, this is one of the first deployments of MirrorLink in the automotive industry

Global leader in connected car solutions

- We worked with the customer to develop a Cloud-based car infotainment solution for some of the leading OEM's
- Our contributions included UI development on the head unit, gateway application development and overall integration

US-based customer in vehicle diagnostics

- We have been the end-to-end engineering partner of this customer for several years
- We have been involved in the development of their on-board diagnostic scanners including hardware, software, enclosure design as well as testing

About Mindtree

Mindtree is a global information technology solutions company with revenues of over USD 400 million. Our team of 11,000+ experts engineer meaningful technology solutions to help businesses and societies flourish. We enable our customers to achieve competitive advantage through flexible and global delivery models, agile methodologies and expert frameworks.