Cygnet Infotech
TECHNOLOGY SERVICES

Intelligent travel information system

Client Profile

A UK based ISV who provides tailored traffic and public transportation solutions across UK and Australia.

COUNTRY
UK

DOMAIN
TRAFFIC AND PUBLIC
TRANSPORTATION SOLUTION

Challenge

- Enables commuters to optimally plan their journey based on real-time traffic and location-based data

- Integration with environmental sensors helps in measuring air quality and capable of detecting the level of carbon dioxide

- Seamless transition of fleet operation information from varied transportation systems for enhanced operational efficiency

- Facilitate management of road infrastructure by triggering real-time alerts on possible roadblocks, congestions, accidents on-road routes

Solution

- An intelligent travel information portal that assists commuters with real-time traffic updates, recurring weather forecasts, and much more

- System populated timetables which include the arrival and departure times of the buses along with an integrated map covering all the routes in the network

- Fault and asset management system assists in checking the health of every asset at the bus stand

- Adaptive control platform for real-time traffic signals allows traffic operators to scheme to monitor, manage and prioritize as per their requirements

- Timely management of road infrastructure and transit service with real-time alerts on unplanned restrictions like accidents or road closures, road speeds, etc

Outcomes

- 95% accuracy in whole network view predictions

- 70% improved operational efficiency at the bus terminals

- Optimized road networks and controlled passenger flow

- Mobile app assisted for real-time updates about the commute and better travel planning

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About Cygnet Infotech

Established in 2000, Cygnet Infotech works with clients across 35 countries and has a strong team of over 1000 employees. Cygnet Infotech's offerings range from IT Services, Technology Products, and Tax Technology solutions. Aligned with its vision of providing technology enabled business solutions, Cygnet Infotech delivers end-to-end solutions for clients' most pressing business needs.

Cygnet Infotech's Technology Services enables clients to accelerate growth and optimize business operations through, Product Engineering, Bespoke Solutions, IT Modernization, Automation, Implementation Services, Risk Mitigation Services, Information Security & Compliance Services, and IT Staff Augmentation.

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