



Technology
on the go

Honda Diracc

INDUSTRY

- Transportation

CHALLENGES

- Raising the level of innovation in transportation

OFFERING

- Transport-on-demand system

BENEFITS

- Increased transportation options for commuters
- Environmentally-friendly
- Alternative to owning a vehicle

Meeting Transportation Challenges ■ In the land-scarce city-state of Singapore, transportation poses a great challenge. An efficient and effective land transportation system is crucial to ensure the mobility of people and goods. While Singapore has already established a world-class public transport network, transport operators and providers continually seek solutions to enhance the transportation options available to the individual.

Honda decided to introduce the Honda Diracc service (previously known as the Intelligent Community Vehicle System (ICVS)) in Singapore. Based on a car-sharing concept, Honda Diracc aims to provide the convenience of individual transportation in an urban environment among members with complementary car usage patterns. This reduces the number of vehicles, enabling efficient use of public road networks and smoother traffic flow. In addition, the use of environmentally friendly cars helps to contribute to a cleaner living environment. Honda's technology partner in this project is one of the region's leading IT service provider, NCS Pte. Ltd. (NCS).





The NCS team provided a cost-effective solution and accommodated our requirements

within a tight deadline. This enabled us to launch ICVS in a timely manner.

- Mr. Gan Kok Seng, Director, Honda ICVS Singapore Pte Ltd

Honda Diracc ■ Honda Diracc is a vehicle-on-demand system that provides its members the freedom to pick up and use its cars from any of its ports - designated car parks at various strategic locations in the Central Business District (CBD). A demand forecast re-allocation system tracks the movement of cars and manages the availability of the vehicles. Members can also check the availability of cars and make reservations for a vehicle with their mobile phones or the Internet. At the end of each trip, members return the cars to any of the Honda Diracc ports. With the various designated ports, members are assured of a parking lot.

To access these “intelligent” cars, a member taps his contactless smart card against the card reader to unlock the car door. He then enters his personal identification number into the on-board touch screen to release the pop-up ignition key. The member then begins his trip. On returning the car, he simply needs to retrieve the car key and lock the car door with the smart card. Members are free to drive around anywhere within Singapore.

In cities throughout the world, transportation is an integral component of the social and economic structure of the community. In such environments, the demand for automobiles for personal mobility is tremendous. However, as the number of people who own vehicles increases, inevitable problems such as traffic congestion, shortage of parking and increased air pollution worsen. Honda Diracc meets the demand for private transportation without compromising on the quality of life.

The Technology Partner ■ As Honda’s partner, NCS worked closely with Honda to develop and integrate

various Intelligent Transportation Systems (ITS) technologies to support this service. NCS possesses over 20 years of experience as a technology enabler and systems integrator in the transportation industry. With an intimate understanding of the industry and government policies, NCS provided integration and consulting services to value-add to Honda’s initiative of realising the concept of transport-on-demand in Singapore.

NCS’s ITS solutions are built on proven and best-of-breed technologies. They integrate information, electronics and communication technologies with land transport infrastructure to empower land transport authorities, automobile companies and transport operators to promote safe, orderly and expeditious movement of people and goods.

Going Beyond Singapore Shores ■ With the successful implementation of the Honda Diracc service in Singapore, Honda intends to transfer the technology to other cities. NCS is proud to continue being the technology enabler for this quest. The opportunity shall provide a platform for NCS’s ITS solutions to be deployed in different transportation environments. The experience gained will definitely serve to enrich NCS’ capabilities in delivering transportation solutions.

NCS’s capabilities and expertise in Intelligent Transportation Systems was critical to the successful implementation of Honda Diracc.

Contact NCS today!

As a leading regional information technology (IT) and communications engineering services provider, NCS aims to work closely with you to create business value through the innovative use of IT. With proven experience and expertise in consulting, development, integration and managed services, we bring end-to-end support for your organisation’s entire technology life-cycle.