



Logica is making electric cars a success

Energy Transition Model for energy future

The Energy Transition Model uses reliable data as a basis for computing future scenarios for energy in the Netherlands from now through to 2050. The idea for this came from Quintel Strategy Consulting and Logica is one of the founders of the model. Apart from Logica many prominent parties support the transition model: Alliander, Delta, Eneco, Enexis, Essent, GasTerra, RegieOrgaan Energietransitie, Shell and the Municipality of Amsterdam. The underlying data of the model has been fully validated by energy sector experts.

Logica has invested in the Energy Transition Model in the belief that the world is going to change to meet our growing energy consumption. The model shows that electric cars make a very big contribution to the achievement of CO₂ reduction targets. Many politicians, officials, business people and other interested parties have completed the model and indicate that they expect a great increase in the number of electric vehicles.

Want to know more?

www.energietransitiemodel.nl

CSR

Corporate Social Responsibility with respect for the environment is a fundamental attitude for Logica that is increasingly becoming widely accepted in the Netherlands and in our offices worldwide. Logica provides many ICT services and other business services that make a positive contribution to our society.

Want to know more?

www.logica.nl/mvo

On average the Dutch consume around 40% of their energy demand per household on transport. Electric cars are considerably more economical and can reduce this percentage. CO₂ emissions will also fall, especially if green electricity is used. Logica is confident that electric cars can make a very significant contribution to a better environment. The 65 million euros that the Dutch Cabinet is releasing for electric cars underlines their importance.

With an enthusiastic team and in conjunction with parties that are important for electric cars, Logica is working on a good infrastructure for the charging stations to bring electric transport closer. We are supported in this by our international experience and knowledge of energy and transport. These efforts have led to an innovative concept for the establishment of a network of charging points with technical software and underlying systems. After all, it is only when a good infrastructure has been established that the introduction of electric transport can really become a success with consumers. Logica's innovative concept guarantees:

Authorisation & identification

To charge an electric vehicle customers can authorise themselves at a charging point using a contactless smart card or a mobile telephone fitted with one. Following authorisation the charging point will open and the plug can go in the vehicle. Only on conclusion of the transaction can the plug be removed again. When customers identify themselves on a web site, they can for instance receive statements of their own use and book charging points.

Safety

Customers can only remove the charging plug from the charging point once the power supply has been shut off. A detection system ensures that power is only supplied if there is a sealed connection.

Management and maintenance

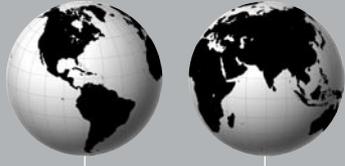
Logica supplies the tools for the remote provision of all the charging points with new or adapted functionality. Maximum availability will be guaranteed by the central management and monitoring of the network, which may ultimately consist of hundreds of thousands of charging points.

Privacy protection

Customers are only identified following explicit consent. To guarantee the privacy of customers authorisation and identification are kept separate from each other.

Information exchange for payment

There are two methods of payment. On the one hand the information about the amount of energy taken can be passed to the energy supplier who sends customers a bill. On the other the system has also been prepared for making payments directly at a charging point.



Australia	Morocco
Belgium	Netherlands
Brazil	Norway
Canada	Philippines
Czech Republic	Poland
Denmark	Portugal
Egypt	Russia
Estonia	Saudi Arabia
Finland	Singapore
France	Slovakia
Germany	Spain
Hong Kong	Sweden
Hungary	Switzerland
India	Taiwan
Indonesia	Ukraine
Kuwait	United Arab Emirates
Luxembourg	United Kingdom
Malaysia	USA

(Inter)national approach

Electric cars do not stop at the borders of the Netherlands. Logica’s concept works with standards and an open platform to enable customers to connect their vehicle to all charging points in the Netherlands and also internationally. We have relationships with partners in this country, but also globally, allowing the concept to be marketed internationally.

Additional services

Many additional services are possible. They include the ability to see immediately on a map on a web site or mobile telephone where charging points are located and whether they are available.

Pilots

Logica has developed a prototype for electric charging points in conjunction with network operator Enexis and supplier of electrical system solutions ALFEN. These prototypes will be used in pilots in 's-Hertogenbosch, Zaanstad and Leeuwarden to gain experience with Logica’s technical

software in the charging points and the underlying systems that manage these points. The pilots are intended to provide Logica with the certainty that the software and the platform take the best possible account of the wishes of network operators, energy suppliers and owners of electric vehicles.



This prototype of an electric charging point is equipped with intelligent software to which authorised persons can safely connect their electrically powered vehicle to charge the batteries in return for payment.

Questions about Logica’s innovative concept for electric cars?

Please contact
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“The introduction of electric cars will probably make the biggest contribution to the achievement of our CO₂ reduction targets in the next decade. The generation of electricity for cars also offers the chance to increase sharply the share of green and decentralised energy. The batteries of electric cars provide an enormous storage capacity for energy sources that are not always available, such as wind and sun.”

*John Kerkhoven, Senior Director, Quintel Strategy Consulting.
See www.energietransitiemodel.nl.*

Logica is a leading IT and business services company, employing 40,000 people. It provides business consulting, systems integration, and IT and business process outsourcing services. Logica works closely with its customers to release their potential - enabling change that increases their efficiency, accelerates growth and manages risk. It applies its deep industry knowledge, technical excellence and global delivery expertise to help its customers build leadership positions in their markets. Logica is listed on both the London Stock Exchange and Euronext (Amsterdam) (LSE: LOG; Euronext: LOG). More information is available at www.logica.com.