Transport currently accounts for 30% of final energy consumption. With more than one out of two French people living outside downtown areas and with increasing mobility requirements, transport solutions need to be able to handle higher passenger numbers without negatively impacting the environment.

Caisse des Dépôts Group is helping local and regional bodies to anticipate, design and deploy sustainable mobility policies and solutions and accelerate the transition to clean vehicles and new forms of mobility.
Financing transport infrastructure and partnering sustainable mobility

The Group is helping to partner local and regional bodies in building a new, integrated model of sustainable mobility. In addition to providing help with upgrading the existing network, Caisse des Dépôts mainly focuses on financing alternative, carbon-light public transport solutions (reserved-lane modes, high-speed train links, water-borne transport, etc.). It is providing equity financing out of the €5 billion «green growth» loan programme earmarked for the energy transition, or by using funds from the Investments for the Future programme. Through SCET, it helps local bodies with decision-making in terms of planning and organising public transport networks and extending or setting up alternative modes.

Developing multi-modal and inter-modal transport solutions

The Group is partnering new mobility strategies by helping to deploy fresh mobility solutions embedded in high-performance multi-modal networks, and by boosting the attractiveness of public transport. Transdev’s broad expertise, encompassing collective transport solutions (tramway, river shuttles, etc.) and individual modes, enables it to act as prime contractor and project coordinator responsible for organising innovative, efficient inter-modal solutions. This in turn enables it to coordinate and operate different modes of transport such as France’s first interconnected tram-train service, capable of running seamlessly on either the suburban or mainline rail network. Transdev is also innovating in the demand-responsive transport sector (ambulances, SuperShuttle, chauffeured touring cars, etc.) to inject greater flexibility into the overall transport offering.

Promoting soft and shared mobility

Transdev continues to work on soft and shared mobility solutions by developing a broad range of bicycle services (bike sharing, short- or long-term bike rentals), car sharing and car pooling initiatives, and “green” light vehicle taxi services like GreenTomatoCars in London.

Speeding up the transition to clean vehicles

The Group is encouraging the take-up of electric mobility – which will represent a big chunk of tomorrow’s energy mix – and the development of alternative carbon-light fuels. It is investing in businesses that operate recharging infrastructures and mobility operators who are harnessing both electro-mobility technology and developing business models around electric car batteries and smart grids. Transdev is also heavily involved in developing a fleet of “clean” cars and infrastructure (stations, depots) that use renewable energy and green technology. It is experimenting with hybrid buses in Europe and fully electric vehicles in France and the US and in the Netherlands it has come up with an innovative solution for running buses on liquefied biogas.
Making travel easier through «smart» transport solutions

As part of the Digital Society Fund being financed out of the «Investment for the Future», Caisse des Dépôts is investing in innovative companies working to develop smart transport systems and shared mobility services. To make optimal use of existing systems and encourage modal transfer, the Group is working on new interfaces that make it easier to switch between different modes of transport. It has pioneered a range of solutions, from reorganizing public space (installing urban furniture, more effective signage, etc.) to the use of digital technology and multi-modal information services (MIS): remote information, electronic payment, contactless ticketing and real-time information systems, etc.

Egis is becoming specialised as an operator of innovative smart mobility solutions such as Moov & Park, a smart street parking system that provides up-to-date information in real time on available parking spaces. As a tireless innovator, Transdev has been pioneering digital mobility solutions through information sent to mobile phones and smartphones and is busy gaining a foothold in the smart cities of tomorrow.

Optimising traffic flows

The Group is supporting the development of smart transport systems that provide dynamic lane, tolling and traffic management. Egis aims to develop solutions that optimise the use of existing infrastructure, e.g., dynamic lane management systems, giving priority to public transport at junctions or in reserved lanes on motorways, introducing systems that facilitate inter-modal solutions such as interoperable contactless ticketing, dynamic systems for managing exchange hubs, etc.
Caisse des Dépôts Group is present at each stage of the mobility chain. It innovates and handles different aspects of planning, transport and service to come up with innovative and effective sustainable mobility solutions.

Financing transport infrastructure and promoting sustainable mobility

The Group is helping to partner local and regional bodies in building new, integrated models of sustainable urban transport. These can include, for example, extending multi-modal platforms to complement or replace existing means of transportation, or setting up alternative modes. By favoring public transport over private cars, these arrangements help to reduce congestion, enhance safety and security and facilitate mobility for all. The Group also promotes urban planning projects that optimise the use of existing infrastructure, such as a fully integrated transport system for the Gdansk agglomeration created by Egis.

Developing multi-modal and inter-modal transport solutions

The Group is partnering with mobility solutions on a local or international scale through different modal platforms. These platforms provide a comprehensive transport service that is accessible and easy to use, and that can be adapted to meet the needs of users and stakeholders alike. These solutions can be found in cities such as Gothenburg, which has launched a bus network based on electric buses and infrastructure (stations, depots) that use renewable energy and green technology. Transdev is also heavily involved in developing a fleet of “clean” electric car batteries and smart grids. Transdev is making travel easier through “smart” transport solutions

As part of the Mobility Objectives – Key Figures for 2014

The Group is supporting the development of electric vehicles and axes for operating ‘smart’ transport solutions such as mobile phones and smartphones and is busy gaining a foothold in the smart cities of tomorrow. As a tireless innovator, Transdev has been pioneering innovative smart mobility solutions such as Moov & Park, a cutting-edge smart mobility platform that connects transport operators, cities and users. It has pioneered a range of solutions, from reorganising public space (installing urban furniture, more effective signage, etc.) to the use of digital technology (mobile phones, tablets, information, electronic payment, contactless ticketing and multi-modal information services (MIS): remote ticketing, real-time information systems, etc.) to the use of digital technology (mobile phones, tablets, information, electronic payment, contactless ticketing and multi-modal information services (MIS): remote ticketing, real-time information systems, etc.)

Making travel easier through “smart” transport solutions

The Group is supporting the development of electric vehicles and axes for operate...
GIREVE: a common platform for managing electric vehicle charging stations

In 2013, Caisse des Dépôts, CNR, EDF, ERDF and Renault teamed up to create GIREVE (Grouping to promote roaming services for recharging electric vehicles). The basic idea is to facilitate the deployment of electric vehicle charging stations by making these more visible, accessible and interoperable for all users, thence boosting the attractiveness of the vehicles themselves. GIREVE aims to become Europe’s benchmark data management platform.

Positive tolling practices that change mindsets

«Wild! van de spits» (literally, «Down with the rush hour!») is a service being tested by Egis in the Rotterdam area based around the concept of positive tolling: if all commuters agree not to use their cars at rush hour – either by postponing their trips or taking public or another form of transport or by carpooling – they are paid a bonus of a few euros. This system means 4,100 less car trips in Rotterdam every day.
Optymod, multimodal real-time and predictive urban navigator available on smartphones

Developed by Transdev along with the aid of ADEME’s «Investments for the Future» and 12 other partners, Optymod provides the answer to a fundamental problem: how to optimise usage of available city transport solutions. A unique technical feat in Europe, handling 20 million pieces of real time data each day and able to calculate up to one hour ahead, the application incorporates all transport information (including arrival and departure times of trains and planes, calculated multi-modal itineraries according to the traveller’s needs, alerts in case of disruptions to the planned journey, provision of alternative travel solutions and guidance towards the required destination). Smart mobility is in motion!

La Rochelle: a new era in clean mobility

Transdev and its subsidiary Proxiway in La Rochelle aim to reduce car traffic in the town centre by 10% and traffic-related GHG emissions by 20% between now and 2020 by deploying a whole range of electro-mobility goods and services fully integrated into the existing public transport network:
- Yéломobile, an electric car sharing service that is completely interoperable with the public transport system,
- an electric shuttle-bus between the park-and-ride facility on the outskirts and the city centre,
- Elcidis, a logistics platform that uses smaller electric delivery vehicles.
FINANCING

Caisse des Dépôts
56, rue de Lille
75007 Paris
www.caissedesdepots.fr

MOBILITY SOLUTIONS

Transdev
32, boulevard Gallieni
92130 Issy-les-Moulineaux
www.transdev.com

CONSULTING, ENGINEERING, OPERATING AND MOBILITY SERVICES

Egis
15, avenue du Centre
CS 20538 Guyancourt
78286 Saint-Quentin-en-Yvelines Cedex
www.egis.fr

CONSULTING AND ENGINEERING

SCET
52, rue Jacques Hillairet
75612 Paris
www.scet.fr

D’INFOS

www.groupecaissedesdepots.fr