

RENAULT  
TRUCKS  
DELIVER

CONCEPT  
TRUCKS

## HYBRY5



### Working towards controlled fuel consumption and a better-protected environment

With its particularly futuristic design, Hybrys is an expression of Renault Trucks' vision of future urban transport.

Environmental protection, increasing prices for petroleum-based products and their diminishing resources, has driven Renault Trucks to broaden its product offer for increasingly lower fuel consumption vehicles by means of new energies.

Hybrid, so-called "parallel" technologies (combining diesel and electric engines delivering power depending on different power distribution scenarios) used on the Hybrys concept vehicle is part of the expected solutions.

## **An innovative design to simplify operations**

Very much in the mould of the Radiance and Magnum Vega concept vehicles, Renault Trucks has produced a natural and fluid design for the Hybrys, which is particularly well suited to urban traffic conditions, in this case as a refuse truck.

The exterior, with its non-symmetrical radiator grille and imposing, slightly off-set logo, gives the driver and passengers exceptional visibility. Its refined style, smooth surfaces and lacquered colours make it a unique vehicle, projecting a forceful yet pure image combined with a high level of on-board technology. The gentle curves of its front bumper help it integrate into the urban environment perfectly.

The interior of the Hybrys cab is perfectly adapted to the waste collection business. The design giving it a look which is both high-tech and natural. The combination of satin green and off-white colours lends a bright clearness to the cab interior and creates a relaxing atmosphere.



## **The driveline**

The Renault Hybrys is a 6x2 vehicle with a DXi7, 320 hp engine, an Optidriver+ robotized gearbox and an MDS (Motor Drive System) electric motor.

The electric block fitted within the wheelbase includes power batteries, electronic controls, power distribution circuits and the cooling system.

With a wheelbase of 3,900 mm, the Hybrys has a 7.5-tonne front axle and a 13-tonne, P1395 drive axle with 22.5" tyres. Front mechanical suspension; rear air suspension + anti-roll bars.

Key-less starting powers up the wholly-electric power system before the diesel engine takes over. The driveline's automatic control system optimises the switch between the two power modes to ensure comfortable, quiet driving and very much lower fuel consumption.