

# TEAMS DESIGN

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TEAMS Design is a multinational industrial design firm with innovative product design processes that take concepts from ethnographic research through product development and into manufacture. A brand-wide focus has helped TEAMS win over 1000 awards and be ranked second in an international poll of product design firms. As one of the oldest design consultancies in the world, with five design studios in three continents, TEAMS creates strategically positioned designs for both localized and global markets.

## **Still RX70 Forklift**

The world's most fuel-efficient hybrid diesel forklift truck, the Still RX70, is safer, cleaner, and more economical than any predecessor. Available at retail outlets throughout Europe, the RX70 consumes a mere 2.0 liters of diesel per hour which is up to 50% less than its competitors; no other forklift consumes less. Switch on its innovative Blue-Q, and energy consumption can be further improved by up to 10%. The Forklift Association (FLTA) of Great Britain awarded the RX70 with the 2008 FLTA Environmental Award.

The RX70's high-power, double-layered capacitors, or Super Caps, form an electrical storage and recovery system that provides low fuel consumption with minimal noise. The Super Caps, located at the rear of the truck, charge with the energy released during braking. Upon accelerating, the energy that has been stored in Super Caps provides additional power without expending additional fuel.

In addition to the Super Caps, the diesel engine generates current for the electric drive motor through a three-phase generator. Power electronics link all systems and control the charging and discharging of the auxiliary energy store.

Highly maneuverable and ready for changing weather conditions, the RX70 adapts to the requirements of various industries. The driver's personal settings can be programmed to better suit the surroundings, such as an automatic speed reduction when entering a warehouse for optimal safety.

Designers at TEAMS Design researched safety issues fork lift operators face, finding the largest cause of injury and death is due to a lack of all-around visibility, especially when driving a fully loaded lift. Therefore, the large windows, stretching the height of the cab, provide the spacious driver's compartment with superior all-round visibility. An ergonomically designed workspace ensures safe and easy operation; hydraulic valve levers, joysticks, arm rests, and steering wheel knob are user-friendly, comfortable, and always within reach. The steering wheel, placed left-of-center for more comfortable

and intuitive operation, has low steering force for sensitive and precise movements, and the suspension-mounted cabin reduces vibrations. Driver comfort is enhanced by the safe and accessible placement of a heater, air conditioning, radio, CD player, camera system for reversing, and cruise control for longer distance travel.











