



FIRST MOVER



FIRST-MOVER™ R-3500 PRODUCT OVERVIEW

About First-Mover™

BS Engineering, founded in 2004, has been a leader in developing and producing heavy equipment for fire and towing for 20 years. In 2021, we designed and developed the innovative First-Mover™.

Our mission at BS Engineering is to minimize risk for personnel in fire, rescue, and towing operations by enabling the movement of vehicles in conditions where traditional methods are challenging.

SPECIFICATIONS

First-Mover™ R-3500

- **Maximum Load:** 3,500 kg
- **Maximum Lifting Height:** 600 mm
- **Flatbed Height:** 110 mm
- **Slope Capability:** 15°
- **Power:** 100% electric with 4 -5 hours of operation on a single charge
- **Winch Capacity:** 2495 kg
- **Compressor:** 10Bar
- **Wheelbase:** 3613mm (wheel 670mm)
- **Remote Control Range:** 100 m
- **Vehicle Height Increase During Movement:** 10 mm
- **Galvanic Separation:** Between mover and flatbed
- **Wheels:** Off-road wheels for challenging terrain
- **Tracks:** Non-marking
- **Chassis Weight:** 1,720kg
- **Total unladen weight with equipment:** 1,920kg





Fire and Rescue

The First-Mover™ was originally developed to enable fire departments to safely and effectively combat electric vehicle (EV) fires. This innovative solution allows for the safe removal of EVs from various locations, including vessels, multistory parking garages, and other challenging environments. By swiftly relocating the vehicle, First-Mover™ ensures a rapid response to the fire, protecting nearby property and maintaining the safety of firefighters.

Throughout its development, the First-Mover™ has undergone numerous live EV fire tests, demonstrating its reliability and effectiveness. Shell has independently tested and approved the First-Mover™ for use as part of their safety protocols at their production facilities and test center in Amsterdam.

We are extremely proud that a prestigious company like Shell recognizes the potential of the First-Mover™ and has incorporated it into their safety measures.







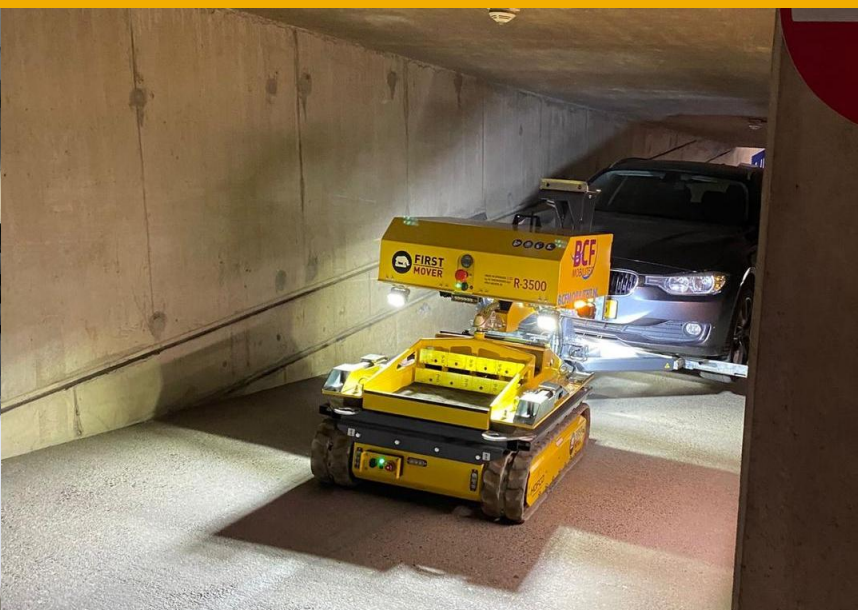
Salvage / Towing

Various customers have recognized the advantages of a remote-controlled, self-propelling machine capable of efficiently moving stalled or illegally parked vehicles. Stevedoring companies servicing ferries and RoRo vessels have found the First-Mover™ highly effective in addressing challenges with salvaging vehicles that are otherwise difficult or time-consuming to move. With the First-Mover™, vehicles can be quickly extracted from tight spaces without damage, allowing repairs to take place on shore and significantly reducing the risk of delays in vessel operations.

Additionally, several airports, such as Schiphol Airport in Amsterdam, have purchased First-Mover™ units to ensure swift responses to any situation within their extensive parking areas, including multistory parking garages. This preparedness not only enhances operational efficiency but also contributes to lower insurance premiums.







First-Mover: The Unmatched “Swiss Army Knife” of Vehicle Handling

Simplicity is the key to low maintenance costs. The First-Mover™ is a patented, electric-powered, remote-controlled tracked unit mounted on a flatbed vehicle platform/lifting device. This innovative system operates without the need for a jack or manual processes. The flatbed is effortlessly pushed by the tracked unit under the vehicle, lifting it smoothly. The operator can then move the hoisted vehicle anywhere using the remote control, including up and down ramps in multistory parking garages, on vessels, and more.

Key features include:

- **Ease of Maintenance:** Each main component is easily replaceable, ensuring minimal downtime in case of damage.
- **Versatility:** The First-Mover™ can lift vehicles by their wheels if necessary. Special lifting rods can be attached to the flatbed in under a minute, allowing the vehicle to be moved with only a minimal increase in height.

The First-Mover™ offers unparalleled efficiency and flexibility, making it an essential tool for various challenging environments.

Contact information

Manufacturing industries

BS Engineering ApS

Samsøvej 2

8382 Hinnerup

Denmark

Phone: + 45 42 13 48 99

E-Mail: sales@first-mover.dk

Web: www.first-mover.dk



Your local dealer



FIRST MOVER