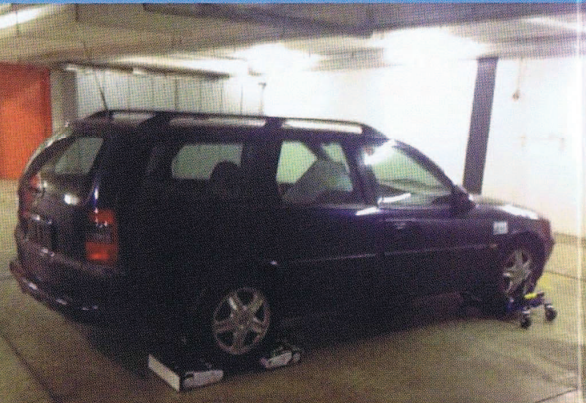


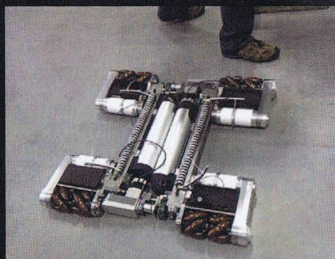
Features:



1. The System is low profile compact design for easy access under any car
2. High load capacity
3. On board sensors for docking and avoiding obstacles

Benefits:

The AVERT system bogies co-operate as a swarm without the need for mechanical links or cables between them



They fit within the footprint of the car, allowing access in very tight spaces



Participants



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AVERT

Autonomous Vehicle Emergency Recovery Tool





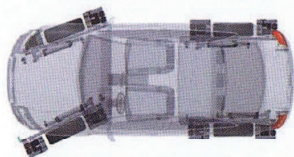
The Autonomous Vehicle Emergency Recovery Tool (AVERT) is designed to rapidly deploy, extract and remove vehicles from vulnerable positions.

Tackling the task in various stages the system is designed to remove a vehicle in the safest and most effective manner as shown below:

1 View

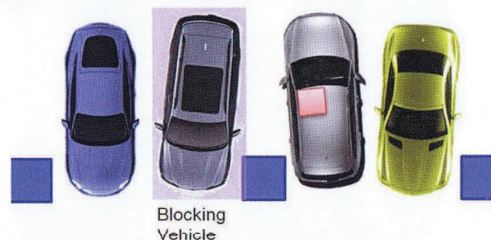
Firstly the AVERT system remotely scans and rapidly maps the local area for vehicle recovery

Designed to manoeuvre and access vulnerable areas it begins to capture data on its surroundings, noting the angle of the wheels, and also observing potential obstacles



Autonomous Vehicle Emergency Recovery Tool

2 Plan



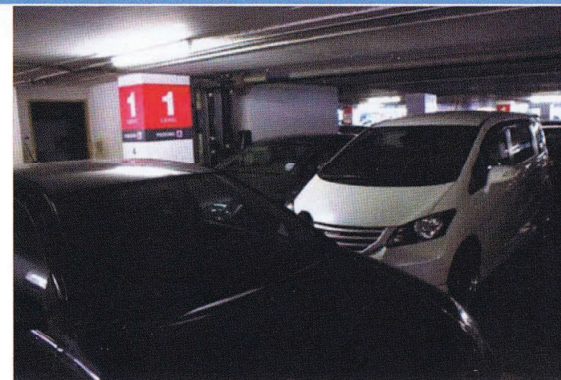
After the initial view of the area the AVERT system begins to plan the route for extraction based on the analysis of the area, including obstacles and height restrictions

3 Deploy



After the user selects a vehicle for removal the bogies are then deployed

Once deployed the bogies are tracked to target the vehicle, docking onto the wheels and then lifting the car fully off the ground



4 Extract

Once the car has been fully lifted the bogies can then move the car in any direction at a slow safe speed. The AVERT tool is then ready to move the blocking vehicle autonomously along a planned path avoiding objects

The system has a reversionary remote control that allows the operator to override the autonomous system at any time

