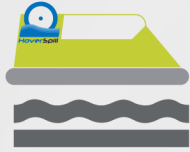


# main innovations of HoverSpill



**Autonomous amphibious performances:** based on air cushion technology and able to reach affected areas at high speed (over 40 knots).



**Capable of high-speed emergency interventions and subsequent clean-up operations:** the main engine can be also used as power generator and act as a platform for remediation activities.



**Easy Transport and ready intervention:** allowed by the system's road transport capability, even in adverse weather conditions.



**Low environmental impact:** due to fact that the vehicle hard hull has no contact with any surface, due to a medium pressure under the skirts system equal in every point. This makes HoverSpill ideal to be used in environmentally protected areas (e.g. humid areas).



**Easy use and manipulation in difficult areas:** thanks to the platform's weight and dimensions.

## Why and when using HoverSpill

**Oil spills have a dramatic environmental impact** on coasts, beaches, shoals and are particularly harmful to delicate and vulnerable spots such as river and lake areas. **In wetlands and protected zones traditional vehicles and vessels cannot operate**, neither by sea nor by land, due to inaccessible shallow depths and muddy areas. The recent Donges (Loire River) and Louisiana oil spills have emphasised the limitations of current technologies and traditional methods and vessels used for coastal clean-up actions.

Even when the oil spills occur in the open sea, aid vessels present in ports very rarely manage to arrive rapidly to contain the rapidly expanding oil slick.



**HoverSpill is an amphibious System based on a hovercraft specialized for high speed Oil Spill emergency interventions.**

HoverSpill is able to operate **in areas with compact or soft mud**, both at high (up to 40 knots) and low speed, **avoiding the mixing of the superficial hydrocarbons with the mud** therefore avoiding further damage to the environment. It can be used as a floating pontoon and as a low-impact platform during clean-up operations in areas with soft mud.



HoverSpill is an ideal solution for **greater operative immediacy** and/or to avoid transfers in agitated open seas since it can be quickly transported by land (on a standard truck) thanks to its **compact dimensions**. It can be easily placed on land or beaches close to areas that are potentially at risk, without the necessity of ports or other structures necessary in the case of traditional vessels.



HoverSpill can also be positioned upon ships or oil rigs to be used for preventive action during transfer operations of hydrocarbons. During intervention on water an **integrated separation system** will be used. During the clean-up process the power take-off will be used to supply energy to drive the various water cleaning systems and specific equipment as well as equipment for the separation of pollutants from water.

**New operational procedures and protocols** suitable to exploit the innovative characteristics of the HoverSpill system will be defined. As a consequence, a new profession will be created.

HoverSpill **IS** amphibian  
mud   
ground   
water 

HoverSpill is easy to carry **BY**



crane



truck



tanker



prompt



flexibile



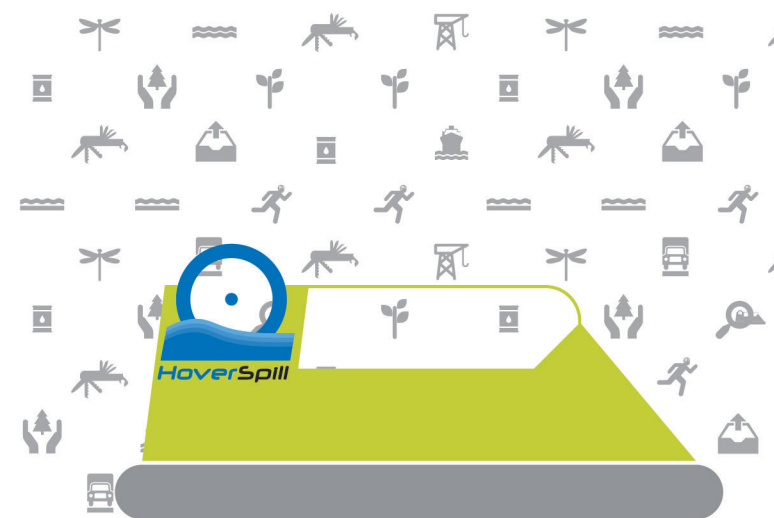
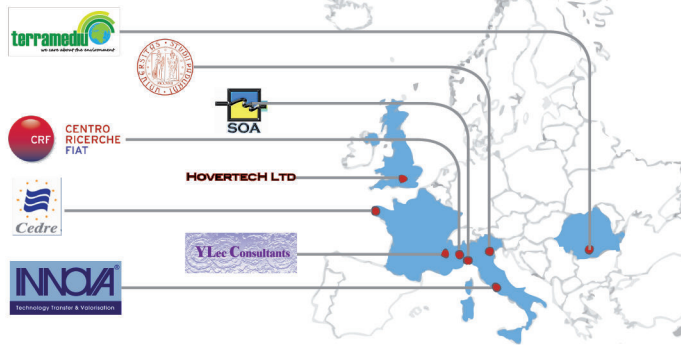
drainage



remediation



low impact



**Contacts:**

**Project Coordinator:** Federica Marotti - Innova S.p.A.  
f.marotti@innova-eu.net - Phone: +39 06 400 40 358



**Technical Manager:** Marco Mastrangeli – Hovertech Ltd  
marco.mastrangeli@superhovercraft.com

[www.hoverspill.eu](http://www.hoverspill.eu)

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**Consortium**

The HoverSpill Consortium combines 8 partners from 4 European countries (I, F, UK and RO):

private  
(CEDRE)

public  
(University of Padua) research centres,

industrial partner  
(CRF) specialized in engines design,

SMEs  
(SOA, YLEC Consultant, Terra Mediu, Hovertech) with a strong vocation towards R&D,

project management SME  
(Innova) having a long experience in EU-funded projects and technology transfer practices.

# HoverSpill

**MULTIENVIRONMENT  
AIR CUSHION OIL SPILL FAST  
RESPONSE & POST EMERGENCY  
REMEDICATION SYSTEM**

HoverSpill is an innovative System based on a hovercraft specialized for high speed Oil Spill emergency interventions (its speed can reach up to 40kn). During remediation it works as an independent power generator and oil separation device. It cleans up coasts, beaches and shoals where vessels/land-devices cannot operate. Its amphibian performances and compactness makes it easy for road or vessel transportation and beach based operations.