

BETTER SOLUTIONS FOR THE WORLD

**natex**  
GROUP

# OIL-LIFT-System

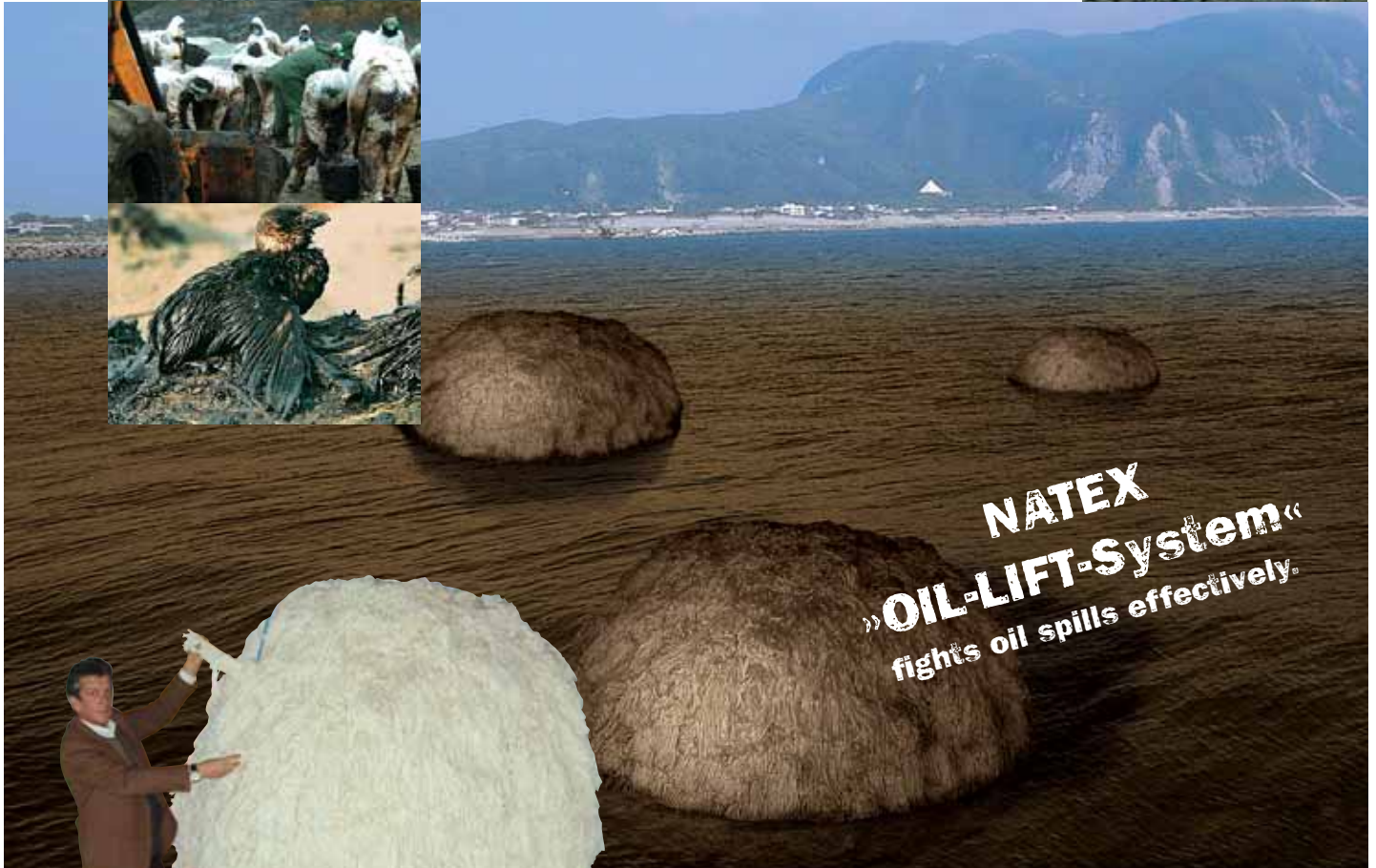
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... easier action with  
NATEX OIL-LIFT-System



**NATEX**  
**»OIL-LIFT-System«**  
fights oil spills effectively.

This ball adsorbs up to **1000 l** of oil.

Different solutions available  
for oil spills on open sea, lakes, rivers or  
in-site/in-ship use.

### Primary advantages of the NATEX OIL-LIFT-System

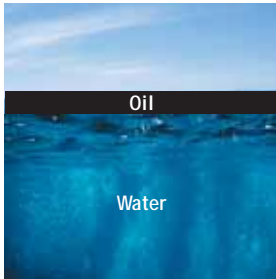
- helps to protect nature, animals and humans
- less polluted coasts
- protects beaches against oil spills
- oil gets adsorbed
- oil can be reused
- saves taxpayers money
- less money spent on fighting oil contamination
- gain time in fighting oil spills

**The NATEX OIL-LIFT-System  
helps to protect nature,  
animals and humans!**

Contact: [www.natexgroup.com](http://www.natexgroup.com)  
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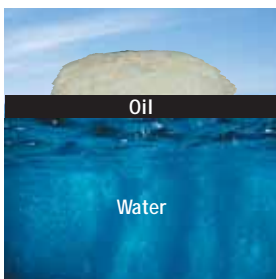
# NATEX OIL-LIFT-System

## 5-Step Solution



### Step 1: Initial situation

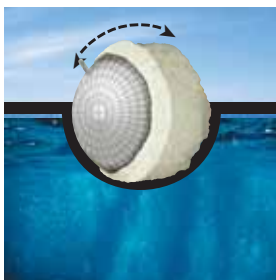
Sea-water and fresh water covered with crude oil or other lipophilic liquids – a deadly coat for nature, animals, plants and humans.



### Step 2: Application

NATEX OIL-LIFT-System is deployed at the location (by plane, helicopter, ship) and dropped onto the oil spill. Ideally short after oil spilling.

When the OIL-LIFT-System is in contact with water, it expands. Similar to inflatable rescue boats.



### Step 3: Mode of operation

The OIL-LIFT-System adsorbs oil from water-surfaces through natural physical laws of wind, waves and currents. The system turns perfectly by itself in all directions for most effective adsorption of the oil.



The special textiles keep adsorbing oil as long as they are in touch with water up to saturation. For localization of the saturated system integrated sensor is available.



### Step 4: Collection

When the NATEX OIL-LIFT-System reached saturation, recovery with hooks out of sea, lakes, rivers is to be done.

The NATEX OIL-LIFT-System now is to be taken to an oil disposal station.

One single ball with a  $\varnothing$  of 2,5 meters adsorbs up to 1000 l of oil.



### Step 5: Results

Contamination is effectively settled:

In laboratory testing it has been proved that the NATEX OIL-LIFT-System eliminates up to 99% of oil.

The NATEX OIL-LIFT-System can be distilled:

through distillation you gain approx. 60% of the oil back.

The residual might be used as high quality fuel (for power plants).

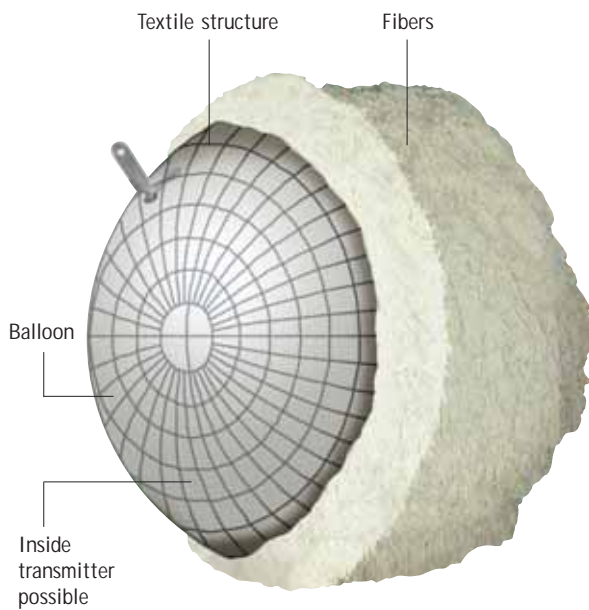
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# NATEX OIL-LIFT-System Laboratory-Results



## NATEX OIL-LIFT-System:

The system was successfully developed and tested by the University of Innsbruck/ Austria (Departement for Textile Chemistry).



## Laboratory testing:

### Step 1:

Immersing the oil adsorbent material



### Step 2:

Adsorption of the crude oil through minimal movement of the LIFT-SYSTEM (99% of oil adsorbed).



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# NATEX OIL-LIFT-System

## Product range and dimensions



**Applicability:** coast and river-application (suggestions)



OIL-LIFT-System: Ø 0,50 to 2,50 m

Extension is possible to any required length, through a special snaplink-system.

**NATEX OIL-LIFT-System prevents oil-contaminated water from slopping over or under.**



Linked tubes: length 1,00 to 3,00 m, Ø 40 cm to 80 cm

Through snaplink-system extension is possible to any length



Oil gets adsorbed  
directly at the barrier:  
by NATEX OIL-LIFT-System

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