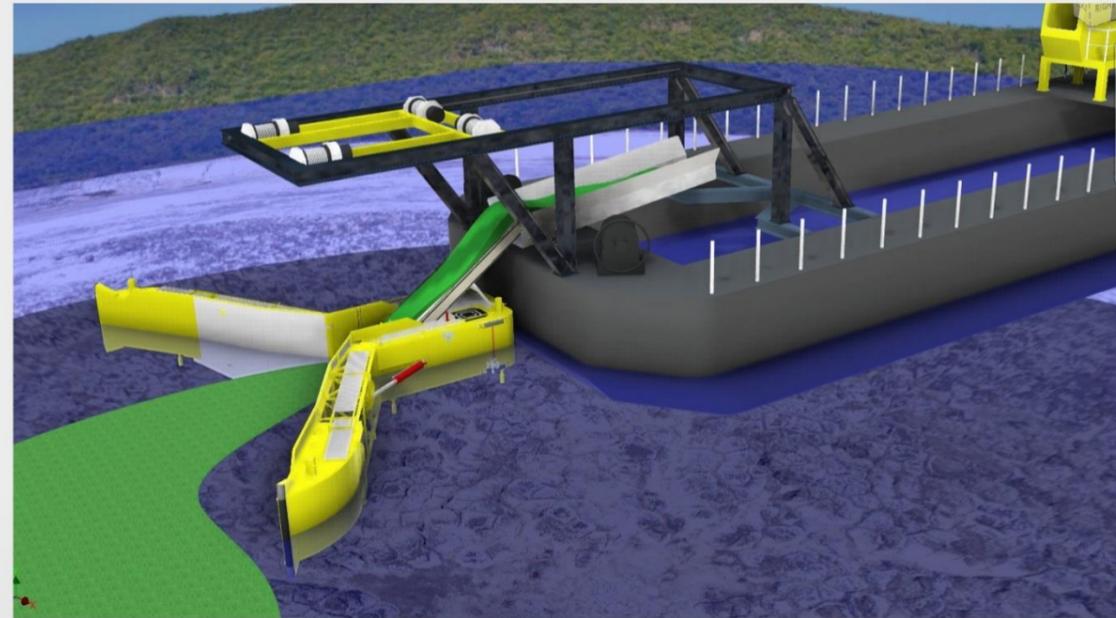




DUTCH INNOVATION
in combating oil pollution

VOS SYSTEM

Victory Oil Sweeper®
oil and debris recovery unit



The Koseq Victory Oil Sweeper® can also be used as debris recovery unit. The dual function of this unit allows the operator to recover large quantities of oil or floating debris. The center oil collection chamber can be changed with the debris collecting conveyor belt. Using the Victory Oil Sweeper® for these both options, the unit will be highly economical, covering the recovery of oil spills and floating debris.

Victory Oil Sweeper® specifications:

Available lengths:	6 – 10 – 13 meter
Total weight:	8000 kg (13 meter long)
Preservation:	Four layer offshore coating
Skimmer type:	Weir or optional brush or belt
Skimmer pump type:	Submersible screw centrifugal impeller pump,
Skimmer pump capacity:	360 or 720 m ³ /hr
Wind force:	Max. 6 Beaufort when pushed Max. 7 Beaufort when trailed

Koseq delivers a complete set of equipment. The Victory Oil Sweeper® is delivered with an electrical or diesel driven hydraulic power pack, which can be executed for use in Zone II areas. The sweeping arm system can optionally be executed with:

- Double pumping capacity
- Radio remote control
- Weir skimmer sensor
- Camera system
- Conveyor belt for debris cleaning



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Introduction

Continuous research and design improvements based on many practical applications resulted in a new concept with all the advantages of our proven KOSEQ rigid sweeping arm system: the Victory Oil Sweeper® (VOS).

The system is very well suited to recover oil spills from rivers, estuaries, deltas, offshore installations and drilling rigs, by pushing or trailing the Victory Oil Sweeper®.

Koseq has designed and patented this new rigid sweeping arm system which consists of two floating angle adjustable arm sections and a centre floatation section, housing the oil collection chamber containing 1 or 2 pumps, with all the advantages of the existing Koseq rigid sweeping arm systems. This versatile angle adjustable oil spill recovery arm is smaller in the folded mode, and increases in width when opened.

Optional the Victory Oil Sweeper® can be executed with a conveyor belt, transforming it into a debris recovery unit



VOS SYSTEM

*Victory Oil Sweeper®
oil and debris recovery unit*

Advantages of the Victory Oil Sweeper®:

- The VOS has a wide sweeping width, is fast and has very high recovery capacity.
- Increased pumping capacity of $720 \text{ m}^3/\text{h}$ is achieved by installing a second oil recovery pump.
- The VOS is independent floating so it can be used with relatively small vessels of opportunity (push mode only).
- The angle of the arms of the Victory Oil Sweeper® is adjustable to accommodate different recovery modes and speeds.
- In closed mode the VOS can be pushed with 10+ knots to reduce sailing time.
- Belt- or brush skimmers with 98% oil intake for an efficient oil recovery process available.
- Transforms into debris recovery unit when executed with a conveyor belt.

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