DYNASKIM®

GROUNDWATER DYNAMIC SKIMMING

Act today, for tomorrow

TOGETHER, LET US CONTRIBUTE TO THE PRESERVATION OF WATER

aemers® technologies

www.dynaskim.com

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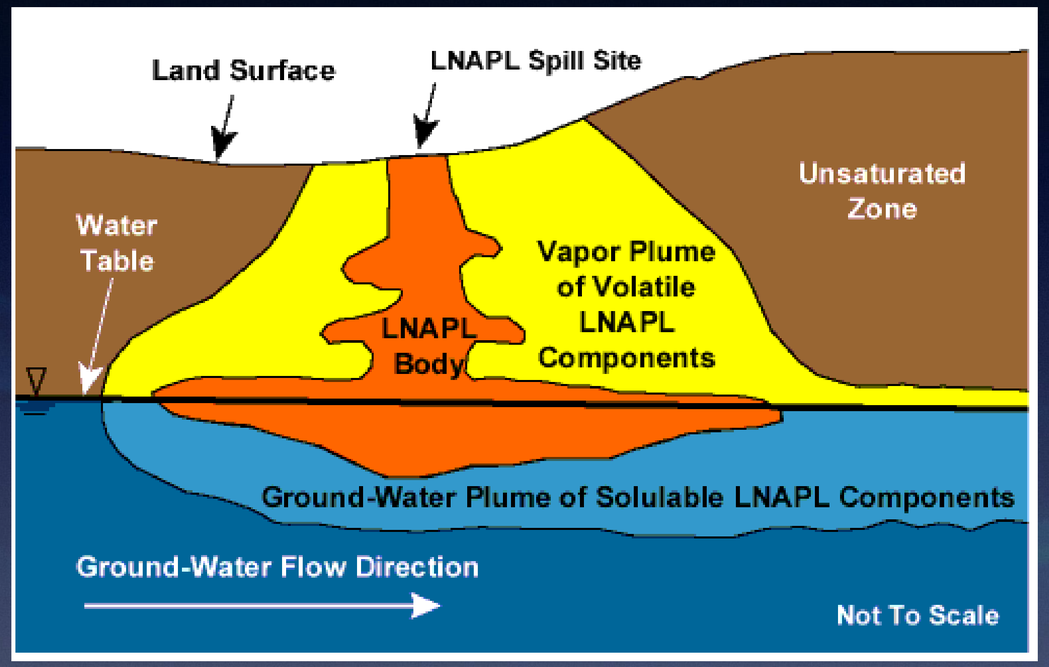
By ODS International sa
Belgium

PROBLEM TO SOLVE



3 conditions for LNAPL Skimming

- The pollutant must be lighter than water
- The pollutant must have reached the groundwater level
- The soil must be permeable

The Innovative Solution for Groundwater Remediation

SIMPLE. FAST. EFFECTIVE.

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ODS INTERNATIONAL

- Belgian engineering company
- Established in 2000
- Over 20 years experience
- 2 patents

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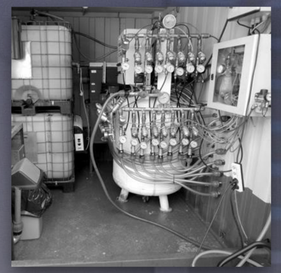
THE DYNASKIM® SOLUTION

3 components

- DS 500 Pumping Unit
- SKIM or SKIM+ Skimmers
- Storage Unit

Easy integration with other remediation technologies

SUCCEEDING WHERE OTHER SKIMMING TECHNOLOGIES REACH THEIR LIMITS



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VIDEO : Solution for groundwater dynamic skimming

THE DYNASKIM® SOLUTION

- Vacuum dynamic suction
- Programmable pumping cycles
- Remote control (modem)
- Up to 40 wells if<8.5m
- Up to 18 wells if >8.5m (chamber)
- Innovative skimmer (independent float)

AN “A TO Z” SOLUTION

FROM PRODUCT RECOVERY TO EFFLUENT & VAPOUR TREATMENT

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ADVANTAGES

- Complete recovery of the free-phase guaranteed
- Follow-up of groundwater variations up to 2,5m
- Pumping of viscous products
- Pumping of very thin layers
- Very low maintenance
- Minimum volume of pumped water
- Low energy consumption<1KWh

SUCCEEDING WHERE OTHER SKIMMING TECHNOLOGIES REACH THEIR LIMITS

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IN ACTION

Boring of the wells

Delivery and mobilisation

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Tuning of the installation

One day to two weeks

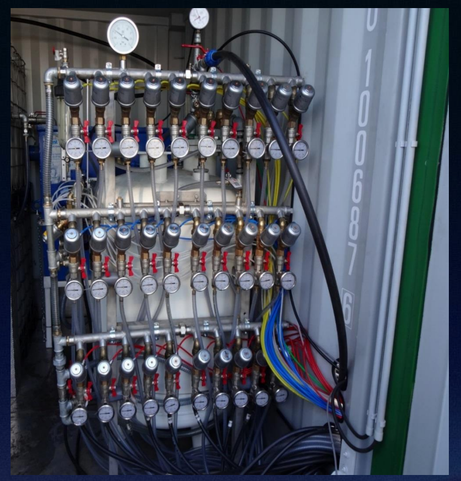
Skimming

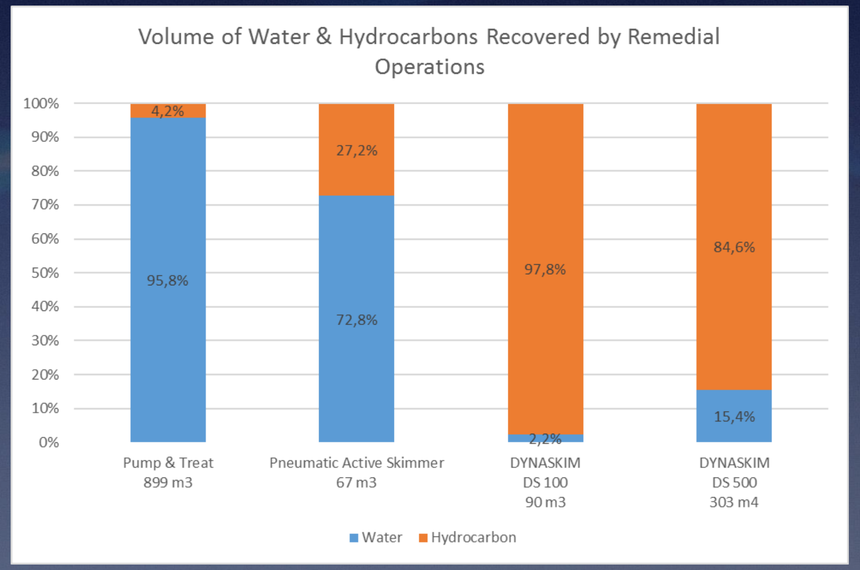
Up to a few years

Demobilisation

PROJECT A

- SKIM 2-25
- Petrol pollution
- 36 wells, 3m depth
- Sand
- ATEX Solution





Results

- 350m³ product / +- 4 years

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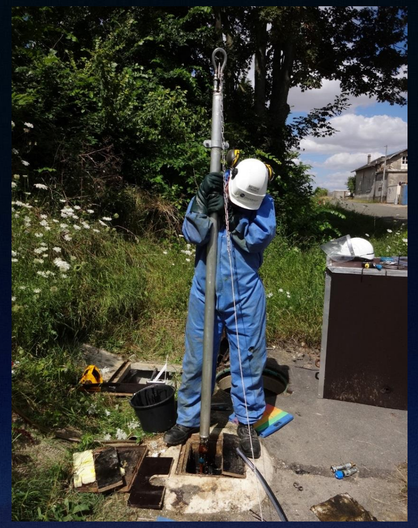
PROJECT B

- SKIM 4-250 & SKIM+ 4-250
- Variability: 2,5m/Day
- Hydrocarbons, BTEX
- 8 wells, 12m depth
- ATEX solution



Results

- 93 m^3 product +- 4 years

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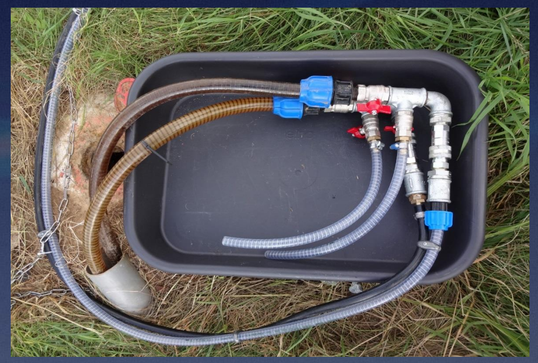
PROJECT C

- SKIM 2-25, SKIM 4-25
- Viscous chemical pollution
- Limestone
- Seasonal variability : 2,5-3m/year
- 8 wells, 22m depth



Results

- 13,5m^3 product / +- 4 years
- 7.2L/Day

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PROJECT D

- SKIM 2-25
- Diesel
- 20 Wells (diam 600mm), 2,5 m depth
- Drawdown between 20 & 50 cm
- Variability 50-70 cm/year

Results

- 2X more product with drawdown
- 12.5m^3 product +/- 3 years
- 12.7L/Day

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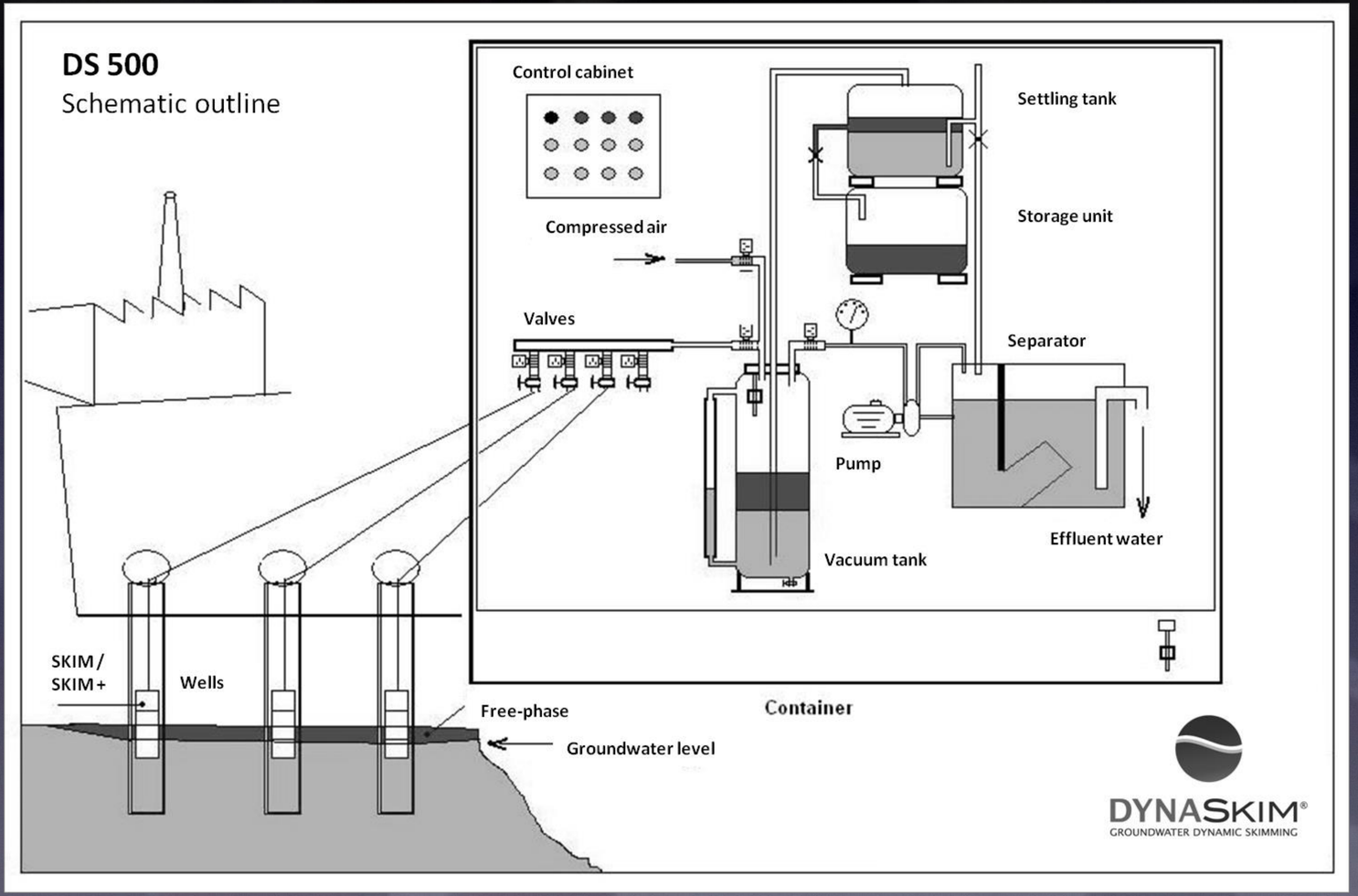
THE DYNASKIM® SOLUTION



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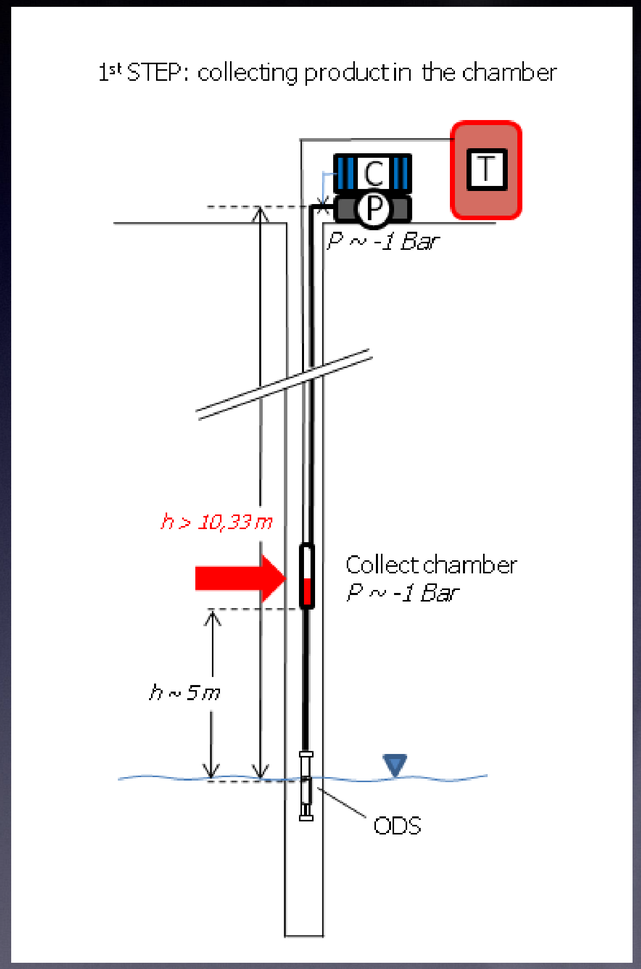
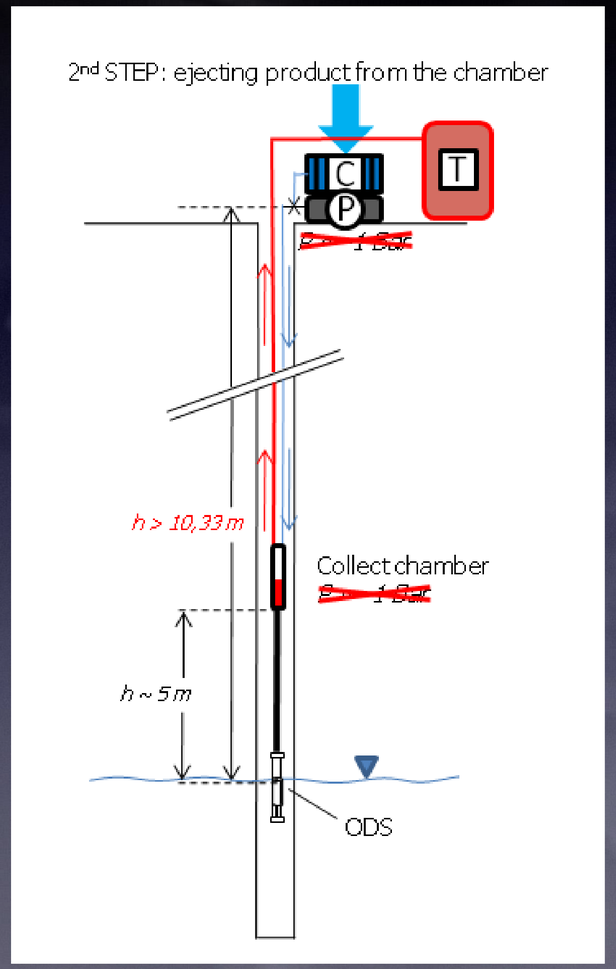
THE DYNASKIM® SOLUTION





Use of an intermediate chamber if depth > 8.5m

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