

Soil washing from petroleum products

PROBLEM

OIL-CONTAMINATED SOILS – are a problem that occurs during the extraction, transportation, storage, processing and use of all types of oil and petroleum products.

It leads to serious environmental consequences associated with a large area of polluted land, where the ecosystem is destroyed, natural processes are impossible, and the territory cannot be used for economic purposes.

PROBLEMS OF OIL-CONTAMINATED SOIL WASHING:

- Insufficient soil cleanup (self-cleanup) speed for rapid fertility restoration
- Difficulty to consider nature of contaminated soil restoration/reclamation consequences
- Toxic impact on the contaminated area, and further spread of pollution

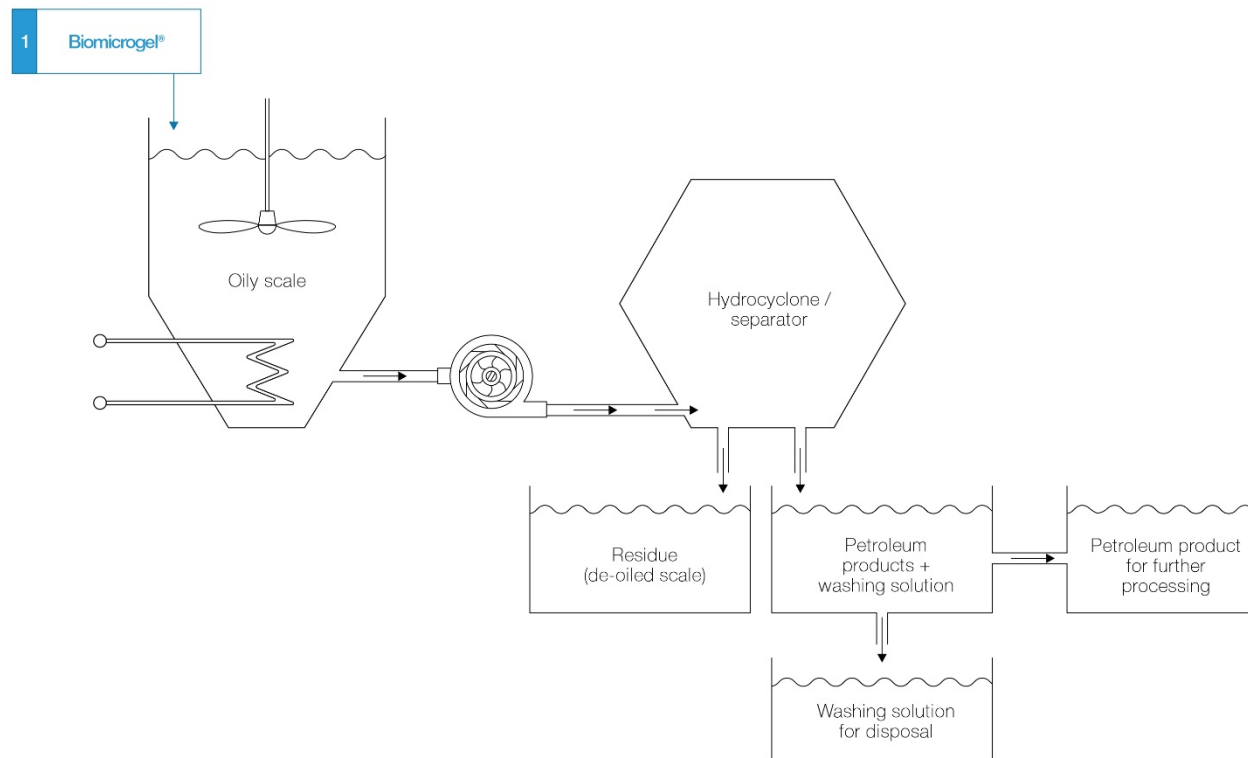
TYPICAL INDICATORS OF OIL-CONTAMINATED SOILS

Indicator	from	to
Petroleum products	0,1%	20%

SOLUTION

IN THE OIL-CONTAMINATED SOIL WASHING

SCHEME OF OIL-CONTAMINATED SOIL CLEANUP USING BMG-C3* REAGENT



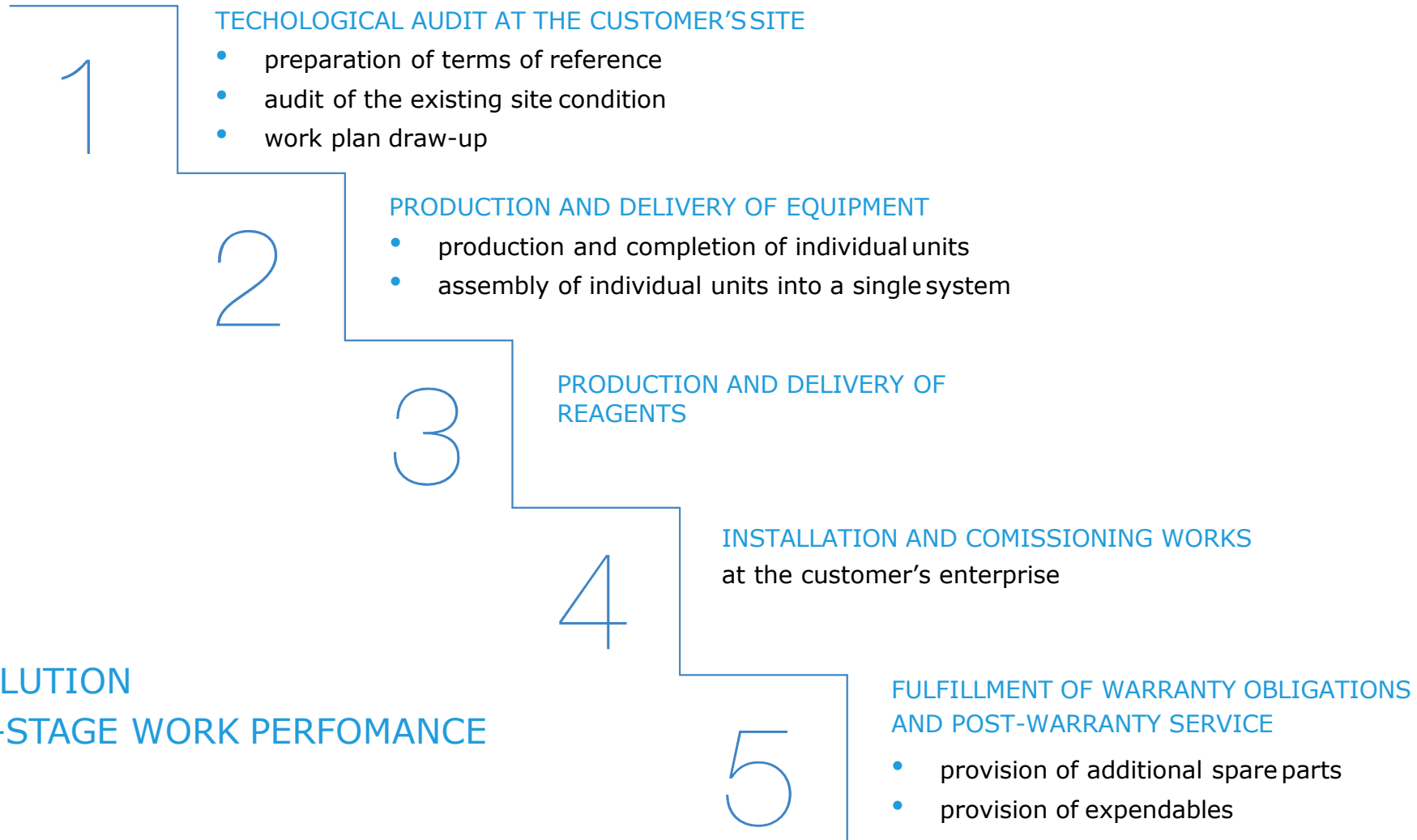
PRODUCTS USED IN THIS SOLUTION:

- Biomicrogel® BMG-C3

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*The proposed solution is accompanied by all necessary permits: SEER, SRC, TR CU Declaration of conformity.

OUR OFFER



WE OFFER A
TURN-KEY SOLUTION
OR STAGE-BY-STAGE WORK PERFORMANCE

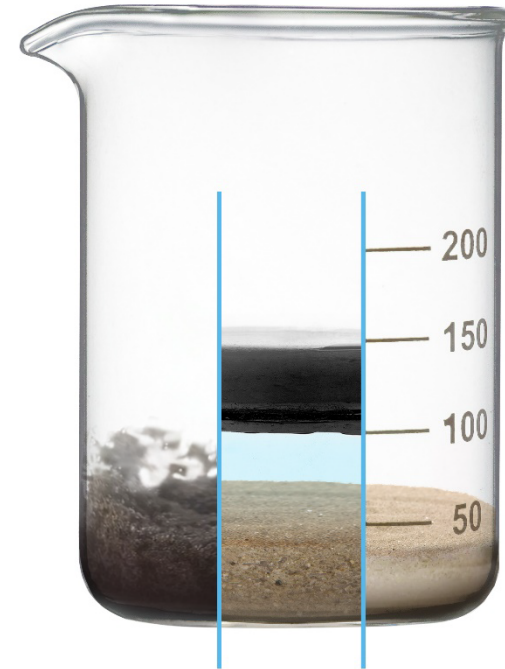
RESULTS OF THE SOLUTION IMPLEMENTATION

KEY INDICATORS OF THE POST-IMPLEMENTATION PROCESS

Indicator	Value
Petroleum products	<100 mg/dm ³

BENEFITS / ADVANTAGES OF IMPLEMENTATION:

- high efficiency of soil purification from petroleum products
- high performance of the washing, resulting in the high speed of the site reclamation
- additional separation of petroleum products
- application of the most eco-friendly solution (raw components are plant originated polysaccharides)
- no secondary contamination of the treated soils
- less generated waste that needs to be disposed of compared to existing technologies



STAGES OF SOIL
CLEANUP (WASHING)
FROM PETROLEUM
PRODUCTS

REFERENCE LIST:



WHERE TO START?

UPON DRAWIN UP THE INITIAL TERMS OF REFERENCE:

1

We will provide
samples to conduct
lab tests



2

We offer an on-site lab
test service
(you just pay the experts' work)



3

We offer an on-site
industrial test service
(you just pay for the
product and work of
specialists)



After passing these stages, the solution will be implemented as efficiently as possible and will show the best result.

ABOUT COMPANY



Operates both in Russia and abroad:
South-East Asia, the European Union, the USA, Australia, and Brazil.



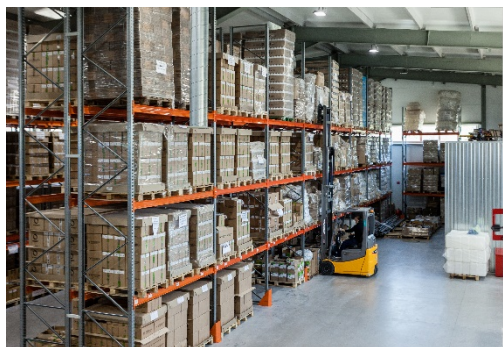
Developer and patent holder of solutions based on microgels under **Biomicrogel®** brand
(>60 patents, >50 countries)



2 production sites, 4 chemical laboratories and an experimental site.
Own an R&D facility, engineering department and technical support service.



Resident of the Skolkovo Innovation Center (Moscow, Russia)
Resident of "Nadezhdinskaya" Priority Development Area (Vladivostok, Russia)



ALL BMG PRODUCTS

- [Biomicrogel® BMG-P1 sorbent](#)
- [Biomicrogel® BMG-P2 coagulant](#)
- [Biomicrogel® BMG-C2 flocculant](#)
- [Biomicrogel® BMG-C3 soil and sand cleaning agent](#)
- [Biomicrogel® BMG-C4 oil extraction agent](#)
- [Biomicrogel® BMG-C6 solid surface cleaning agent](#)
- [Spilltex® dip net for petroleum products collection from water surface](#)
- [Spilltex® filter cloth for laying sumps](#)
- [Spilltex® filter barrier cloth for shallow rivers](#)
- [Spilltex® universal filter cloth](#)

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ALL BMG SOLUTIONS

- [Industrial and storm drains cleanup from oils, fats and petroleum products](#)
- [Coolant processing in metallurgy and pipe rolling](#)
- [Coolant processing in mechanical engineering](#)
- [Performance gains in vegetable oil extraction](#)
- [Oil and petroleum product spill cleanup](#)
- [Clean up of solid surfaces from oils and petroleum products](#)
- [Soil washing from petroleum products](#)
- [Purification of bottom and produced water](#)

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CONTACT DETAILS

BIOMICROGELS GROUP



info@biomicrogel.com



+ 44 1865 60 0460

