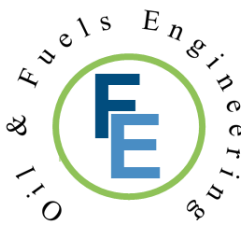




ATTACHMENT 4

Elastic tanks



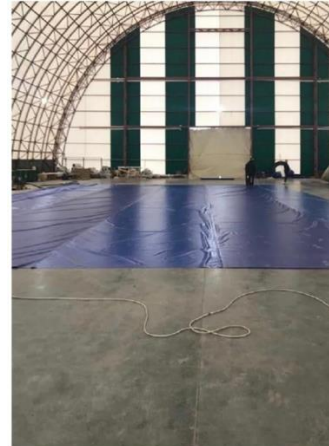
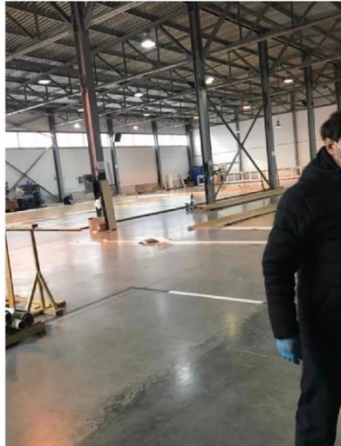
BENEFITS OF ELASTIC TANKS OF PER-N

- **Radical Investment Savings**
The total capital savings on construction of the fuel storage facility (shipping costs, installation and maintenance) is up to 70%, compared with the installation of traditional-type metal and plastic tanks. Cost of elastic polymer tanks is several times lower
- **High Mobility**
Elastic tanks can be delivered to the place of operation by any type of transport (land, air and water) in the most remote regions of the country. The compactness of elastic tanks allows to place a complete fuel warehouse with a nominal capacity of up to 1.000 cubic meters in the one standard 20 foot container
- **Versatility.**
Elastic tanks as part of mobile fuel storage facilities are designed to work in a wide variety of climatic zones, their shell material has a wide range of operating temperatures - from -60°C up to + 80°C.
- **Operation Without Hassles**
Tanks are not subject to corrosion.
- **Military-Grade Reliability**
The lifetime of mobile fuel storage facilities is 12 years. Elastic tanks are designed for multiple application cycles.
- **Quick And Easy Installation**
Average installation time is 6 days. During the unfolding and folding in case of the temperature not less than -50°C, the tanks do not require additional heating. Soft tanks using in the PSGs, in contrast to the standard RGS and RVS tank types, don't require the preparing of the foundation. Elastic tanks can be placed on unprepared surfaces: soil, snow, swamps, ravines, trenches, etc.
- **Ecological Safety**
PSGs are not subject to corrosion and adverse environmental effects. After completion of the work, there are no semi-full tanks and barrels in the site, which are a dangerous source of man-made pollution. Land reclamation after operation of PSG is not required.

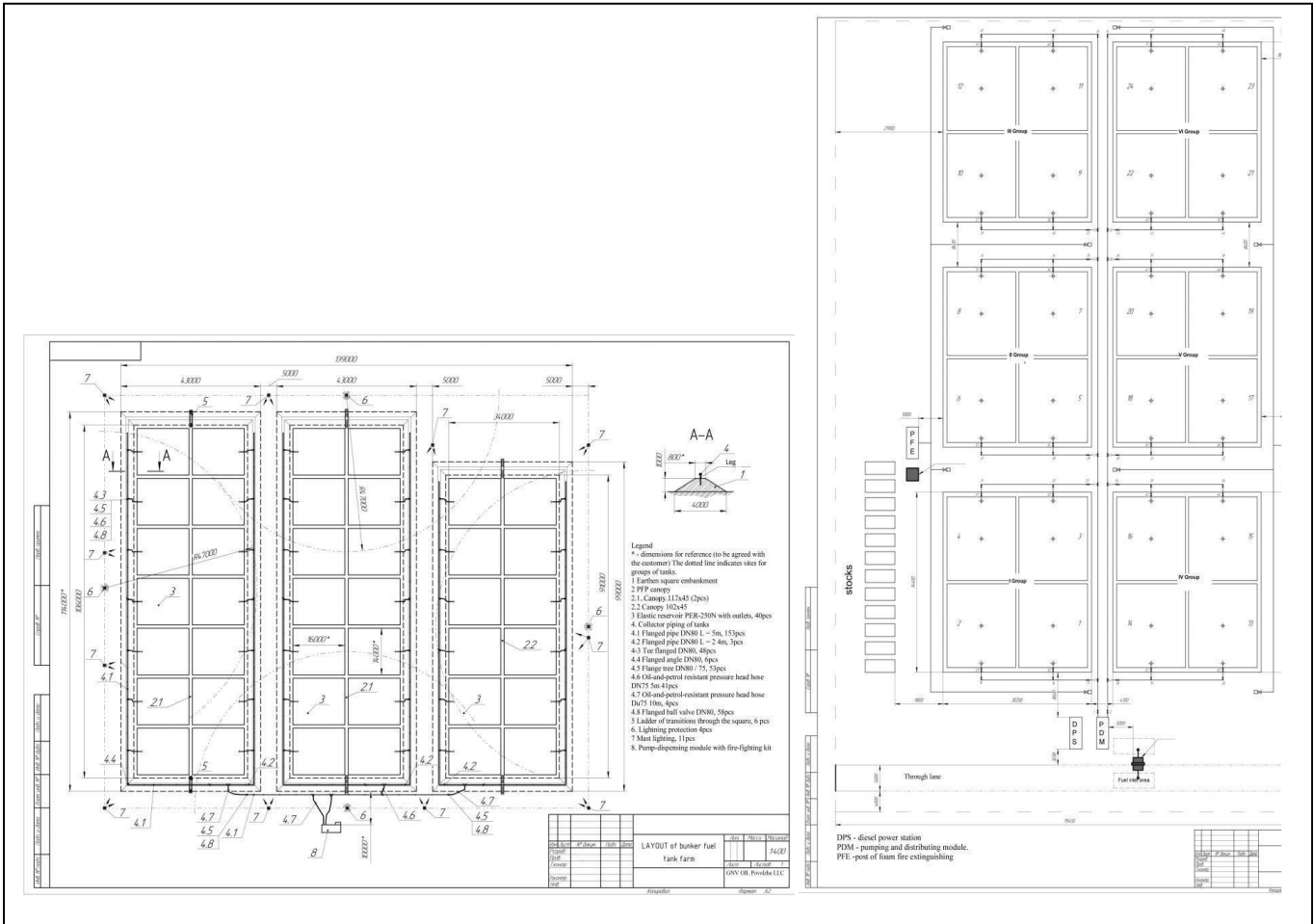


Polymer elastic tanks are intended for storage and transportation of jet fuel, aviation kerosene, diesel fuel, gasoline, engine oils and crude oil in field conditions, at ambient temperatures from minus 60 ° C to plus 80 ° C. Height of Polymer elastic tanks is 1,70

Closed shells of elastic tanks are made of heavy-duty polyester fabric of ballistic weaving with double-sided polyurethane (TPU) or special polyvinyl chloride (PVC+TPU). The strength of the shell is close to the breaking loads of cargo slings and tapes.



Elastic tanks Layout



Anti-filtration canopy (PFP) for a warehouse with a total volume of 35.000 m3 for the ground bundle:

- PVC material, density 630 g / m2.
- Operating temperature: from -60 ° C to + 70 ° C.





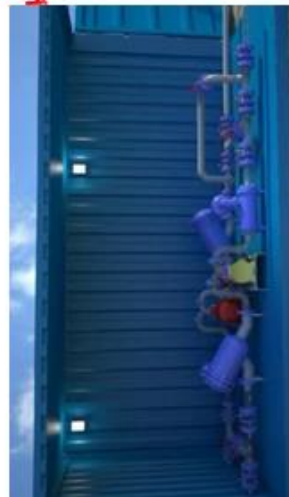
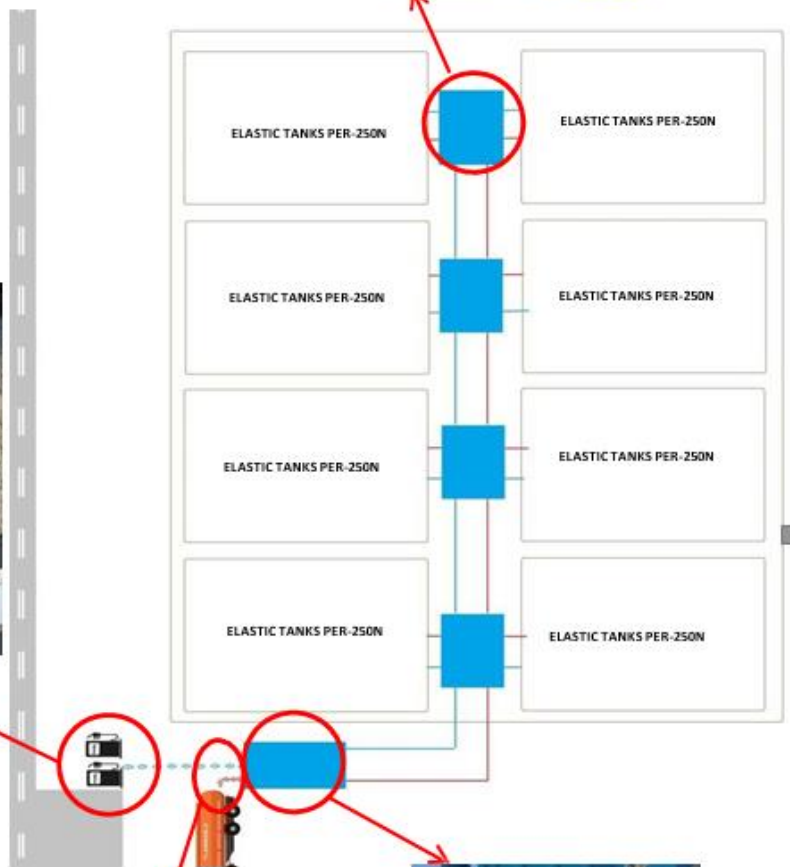
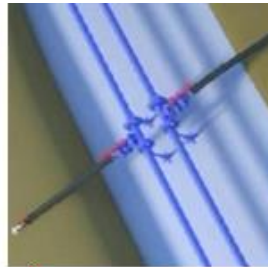
Durability
guarantee



Preparation of the site

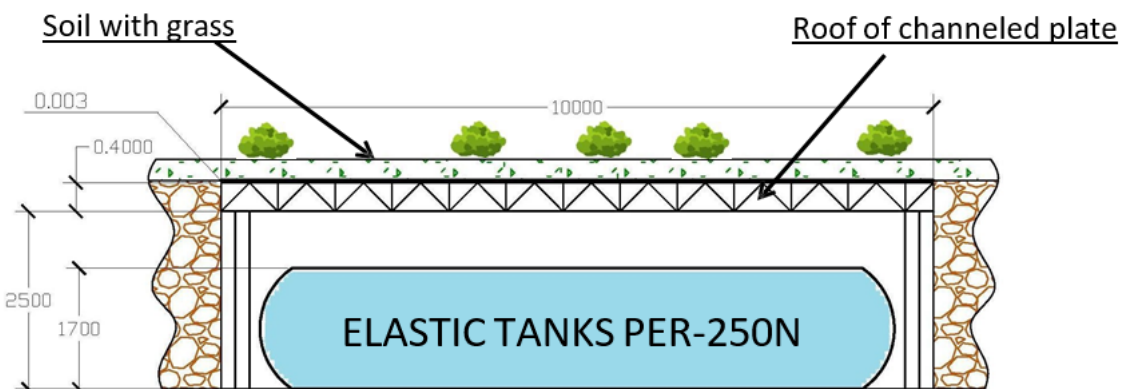
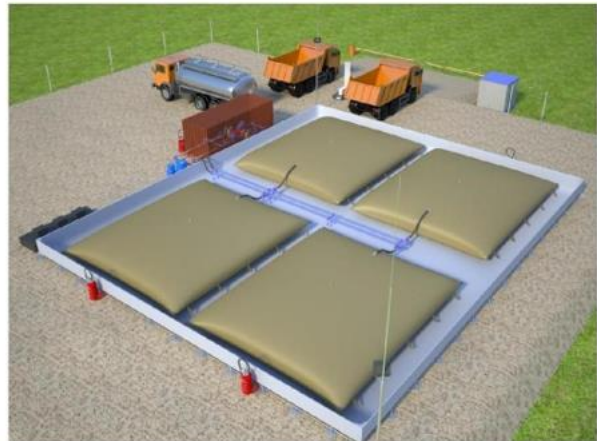


Fuel storage farms



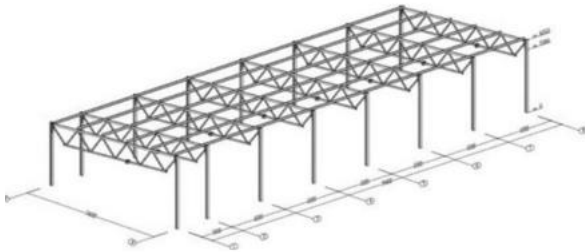


Many options for elastic tanks placement



Fuel storage farms are located underground

Fuel storage underground



burst of profile
section 15*40*1.5mm



block mould for lining
rod profile 90*80*3mm / section
15*40*1.5mm

welded truss frame of profile
with section 30*30*2mm

rod post of profile section
90*80*3mm





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