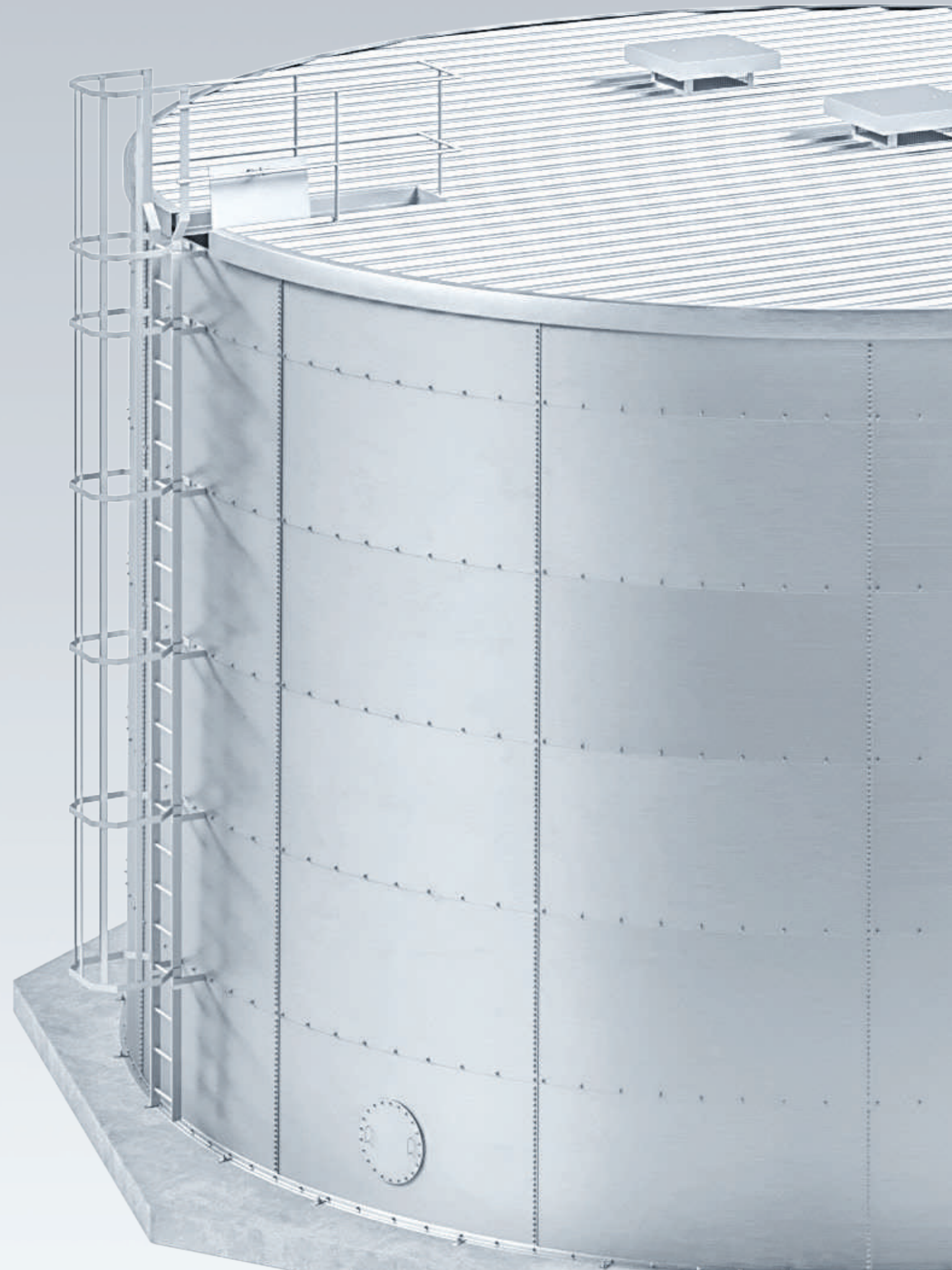


MODULAR STEEL TANKS

For storage of domestic potable,
industrial and firefighting water.

FLAMAX



FLAMAX TANKS

FLAMAX modular tanks are simple and robust water storage facilities with capacity ranging from 25 to 50 000 m³.

PICTURE OF COMPLETED FACILITY:

- Freight Village multimodal industrial-logistics center Vorsino, Borovsky district, Kaluga region
- Capacity: 2 x 600 m³ FM Global
- Date: 2015



AESTHETIC APPEARANCE

FLAMAX modular tanks have modern and aesthetic appearance due to the proportional structure components and uniform surface of galvanized mild steel sheets. Tank sheets can be painted in colors matching the surrounding buildings or in customer's brand colors.

PICTURE OF COMPLETED FACILITY:

- Petkorm pet food plant
- Dmitrov, Moscow region
- 2 x 500 m³
- 2017



ADVANCED TECHNOLOGY

Structural reliability is ensured by high-quality materials and advanced engineering solutions. Tank steel sheets and structure components, including bolted joints, are galvanized to prevent corrosion, and structural integrity is provided by an extra-strong reinforced PVC-membrane.

PICTURE OF COMPLETED FACILITY:

- PEPSI BOTTLING GROUP
- Domodedovo, Moscow region
- Capacity: 2 x 1100 m³
- Date: 2016



CUSTOM SOLUTIONS

Custom design of tanks can be developed according to any technical requirements, including the most complex ones.

Each FLAMAX tank is a tailor-made product designed with regard to the estimated water volume, site plot, requirements for process piping and automation, as well as temperature conditions, snow, wind and seismic loads typical for a specific region.

PICTURE OF COMPLETED FACILITY:

- Dekathlon, St. Petersburg.
- Korabselki residential area, Bugrovkoye village, Vsevolozhsky district, Leningrad region
- Capacity: 2 x 375 m³
- Date: 2015



MANUFACTURING AND INSTALLATION

Advanced European technology –
thousands of satisfied customers worldwide.

PICTURE OF COMPLETED FACILITY:

- X5 Retail, Voronezh
- Aidarovskoye village, Ramonsky district, Voronezh region
- Capacity: 2 x 550 m³
- Date: 2014

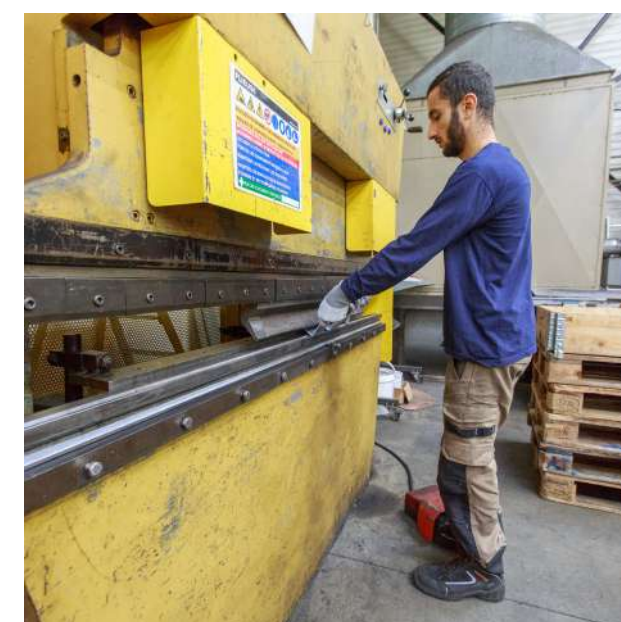
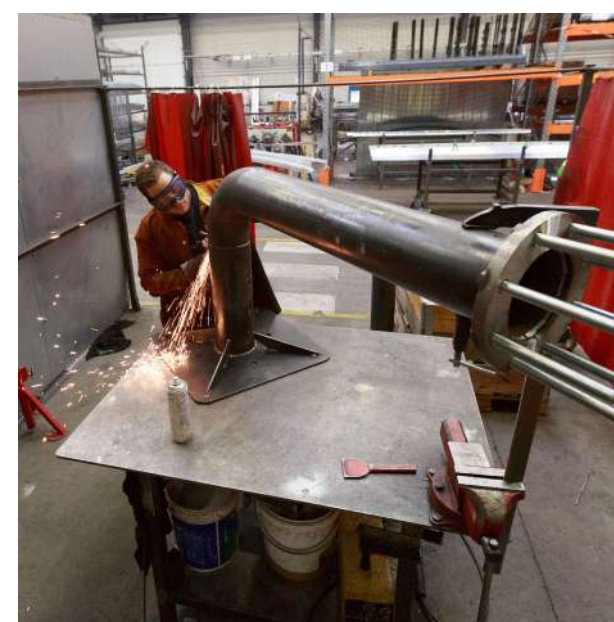
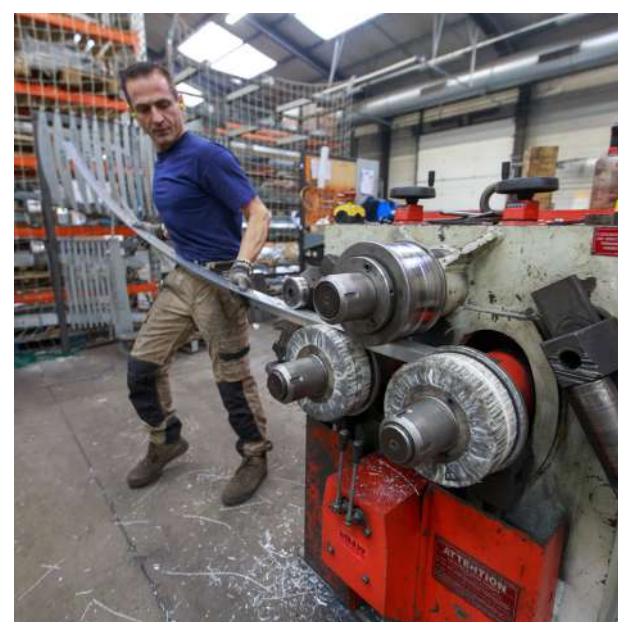




PREFABRICATION

All components of FLAMAX tanks are prefabricated using high-precision machinery and undergo a strict outgoing inspection.

This ensures maximum structural reliability compared to products produced on site.





PACKAGED DELIVERY

Tanks can be delivered by any mode of transport, as all components are standard size and fit EUR-pallets.

This allows easy delivering of cargo to the most isolated areas of construction sites.

Unloading is possible by a usual forklift. Thanks to sealed and compact package components can be stored in any accessible location prior to installation.

As a result, shipping, unloading and storage costs can be substantially reduced as compared to the same works for other types of tanks.



PICTURE 1

Loaded heavy truck: two packed 700 m³ tanks

PICTURE 2

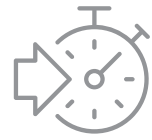
At the appointed time the tanks are delivered to the installation site

PICTURE 3

Unloading of packed tanks by a forklift takes less than 60 minutes

PICTURE 4

Tanks are placed on standard EUR-pallets and take up minimum space on the construction site when being stored prior to installation



QUICK YEAR-ROUND INSTALLATION

Assembling of tanks doesn't involve working at heights, welding operations and using heavy equipment.

Assembly procedure allows installation at any time of the year within the minimum period of time (1000 m³ for 5-7 days).

Tanks can be installed both outside and inside buildings/structures in very confined spaces.

Tanks can be disassembled and reassembled at a new location.



PICTURE OF COMPLETED FACILITY:

- State Public Institution Fund for Gasification, Energy-Saving Technology and Utility Development of the Republic of Tatarstan
- Arsk (Republic of Tatarstan)
- Capacity: 2 x 500 m³
- Date: 2018

PICTURE 2

Tank assembly can be performed by a small team of 4 - 5 workers

PICTURE 3

Tanks are assembled using a synchrolift system with hydraulic jacks instead of heavy-duty special vehicles

ENGINEERING SOLUTIONS

Durability.
Integrity.
Corrosion resistance.

PICTURE OF COMPLETED FACILITY:

- NPK KATREN
- Khimki, Moscow region
- Capacity: 1 x 310 m³
- Date: 2015





ENVIRONMENTAL STABILITY

All sheets and external elements of FLAMAX tanks are protected from the negative impact of the environment and do not corrode.

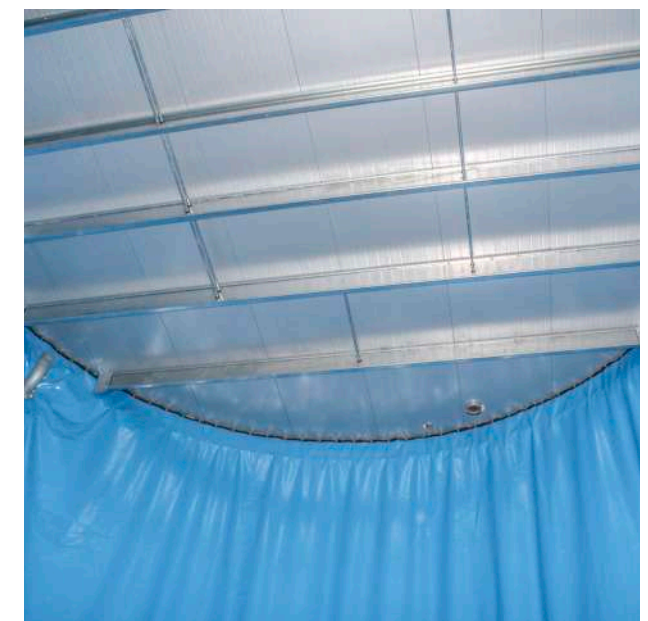
This helps to extend the service life and to permanently keep an aesthetic appearance.





ABSOLUTE INTEGRITY

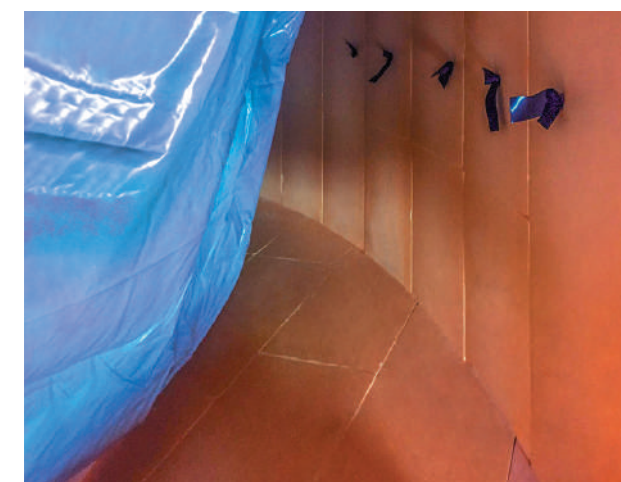
A key feature of FLAMAX tanks is a high strength reinforced PVC membrane, which provides a perfect long-term sealing of the tank, preserves drinking water quality and requires no special care and complicated maintenance.

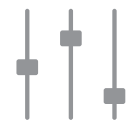




OPERATION UNDER EXTREME CONDITIONS FROM -55 °C TO +55 °C

Depending on the installation region we provide the most effective heat insulation of walls, roof and floor, which allows to operate the FLAMAX tanks under rough climatic conditions.





AUTOMATION. ENERGY SAVING.

Advanced system of automation and environmental monitoring in the FLAMAX tanks can significantly reduce operating costs and ensure a seamless interaction between tanks and pumping station equipment.



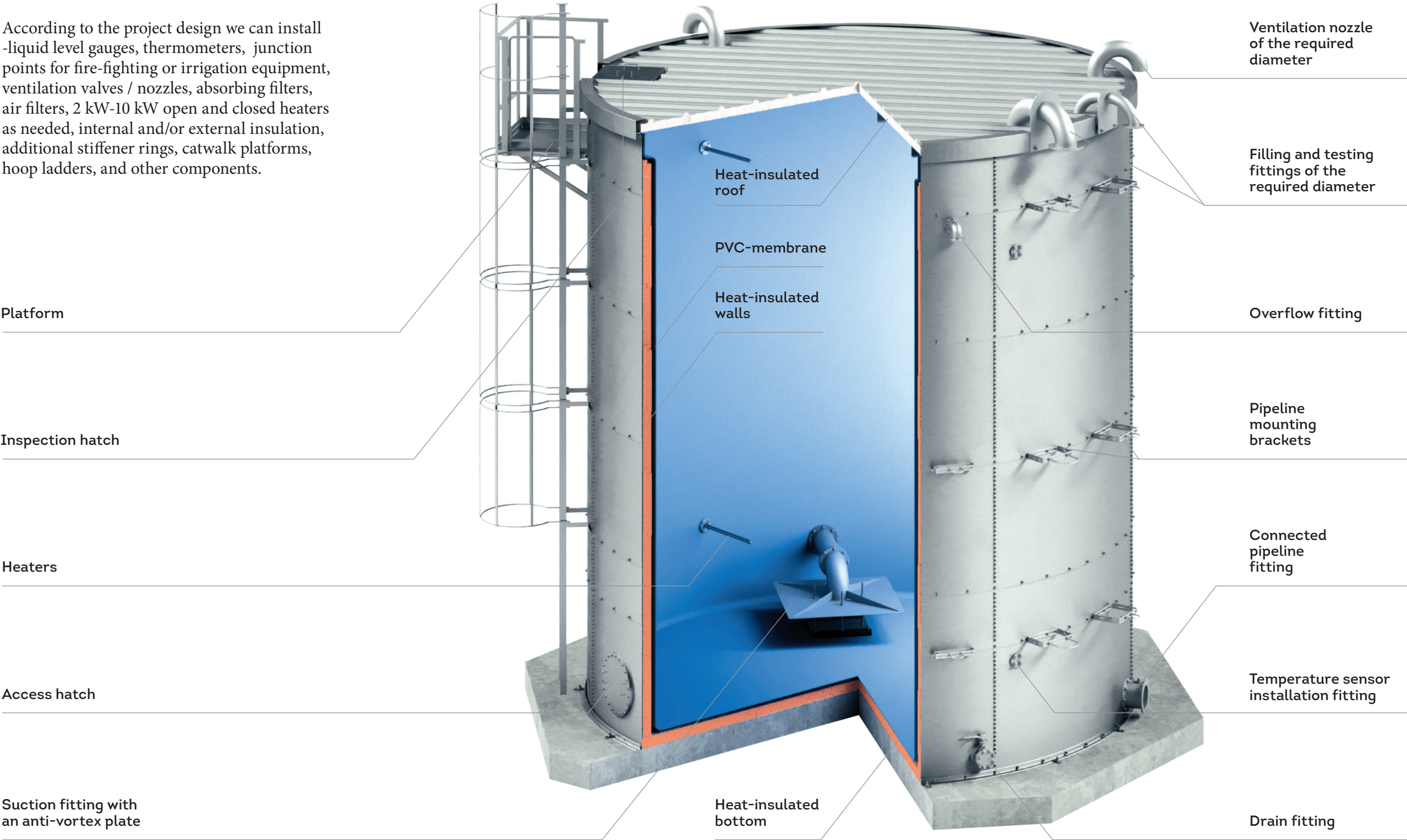
COMPONENT PARTS

Each tank is equipped with components and instruments according to the developed design documentation.



TANK IN SECTION

According to the project design we can install -liquid level gauges, thermometers, junction points for fire-fighting or irrigation equipment, ventilation valves / nozzles, absorbing filters, air filters, 2 kW-10 kW open and closed heaters as needed, internal and/or external insulation, additional stiffener rings, catwalk platforms, hoop ladders, and other components.



DIMENSIONS

Dimensions of tanks having equal capacity can vary widely. Thus, the tank size is determined according to the source data received from the customer. Below is a partial indicative list of tank dimensions.

V – 100 m³



Diameter – 5.46 / Height – 5.41



Diameter – 4.21 / Height – 6.24

V – 215 m³

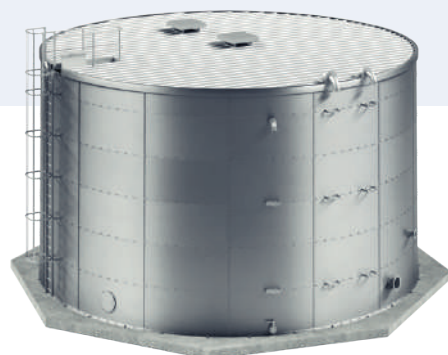


Diameter – 8.58 / Height – 4.77



Diameter – 7.02 / Height – 6.61

V – 590 m³

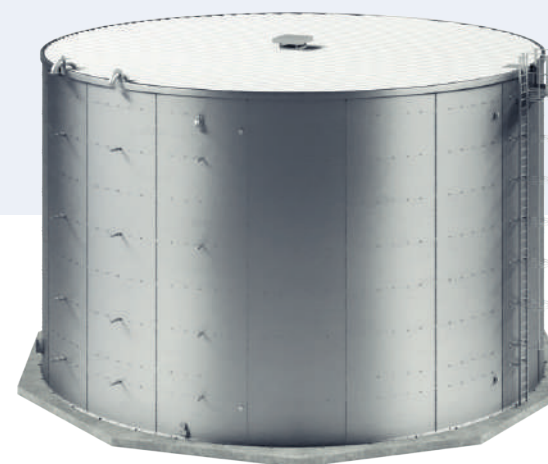


Diameter – 11.7 / Height – 6.61



Diameter – 9.36 / Height – 9.57

V – 1620 m³



Diameter – 15.6 / Height – 9.57



Diameter – 12.48 / Height – 14.37

TABLE OF TANK USEFUL CAPACITY DEPENDING ON HEIGHT AND DIAMETER, m³

| | Qty of rings in height, pcs. | 1 | 1½ | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 5½ | 6 | 6½ | 7 | 7½ | 8 | 8½ | 9 | 9½ | 10 | 10½ | 11 |
|------------------------------|------------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Height, m | 1,25 | 1,81 | 2,37 | 3,01 | 3,57 | 4,21 | 4,77 | 5,41 | 5,97 | 6,61 | 7,17 | 7,81 | 8,37 | 9,01 | 9,57 | 10,2 | 10,77 | 11,41 | 11,97 | 12,61 | 13,17 |
| Qty of sheets in a ring, pcs | Diameter, m | | | | | | | | | | | | | | | | | | | | | |
| 4 | 3,12 | 4 | 8 | 13 | 18 | 22 | 27 | 31 | | | | | | | | | | | | | | |
| 5 | 3,90 | 7 | 13 | 20 | 28 | 34 | 42 | 49 | 56 | 63 | 71 | 77 | | | | | | | | | | |
| 6 | 4,68 | 9 | 19 | 29 | 40 | 49 | 60 | 70 | 81 | 91 | 102 | 111 | 122 | 132 | 143 | 153 | 164 | 173 | 184 | 194 | 205 | 214 |
| 7 | 5,46 | 13 | 26 | 39 | 54 | 67 | 82 | 95 | 110 | 123 | 138 | 151 | 166 | 180 | 194 | 208 | 223 | 236 | 251 | 264 | 279 | 292 |
| 8 | 6,24 | 17 | 34 | 51 | 71 | 88 | 107 | 124 | 144 | 161 | 181 | 198 | 217 | 234 | 254 | 271 | 291 | 308 | 327 | 345 | 364 | 381 |
| 9 | 7,02 | 21 | 43 | 65 | 89 | 111 | 136 | 157 | 182 | 204 | 229 | 250 | 275 | 297 | 322 | 343 | 368 | 390 | 414 | 436 | 461 | 483 |
| 10 | 7,80 | 26 | 53 | 80 | 110 | 137 | 168 | 194 | 225 | 252 | 282 | 309 | 340 | 366 | 397 | 424 | 454 | 481 | 512 | 538 | 569 | 596 |
| 11 | 8,58 | 32 | 64 | 97 | 134 | 166 | 203 | 235 | 272 | 305 | 342 | 374 | 411 | 443 | 480 | 513 | 550 | 582 | 619 | 651 | 688 | 721 |
| 12 | 9,36 | 38 | 76 | 115 | 159 | 197 | 241 | 280 | 324 | 363 | 407 | 445 | 489 | 528 | 572 | 610 | 654 | 693 | 737 | 775 | 819 | 858 |
| 13 | 10,14 | 44 | 90 | 135 | 186 | 232 | 283 | 329 | 380 | 425 | 477 | 522 | 574 | 619 | 671 | 716 | 768 | 813 | 865 | 910 | 961 | 1 007 |
| 14 | 10,92 | 51 | 104 | 156 | 216 | 269 | 329 | 381 | 441 | 493 | 553 | 606 | 666 | 718 | 778 | 830 | 890 | 943 | 1 003 | 1 055 | 1 115 | 1 167 |
| 15 | 11,70 | 59 | 119 | 179 | 248 | 308 | 377 | 437 | 506 | 566 | 635 | 695 | 764 | 824 | 893 | 953 | 1 022 | 1 082 | 1 151 | 1 211 | 1 280 | 1 340 |
| 16 | 12,48 | 67 | 136 | 204 | 282 | 351 | 429 | 498 | 576 | 644 | 723 | 791 | 869 | 938 | 1 016 | 1 085 | 1 163 | 1 231 | 1 310 | 1 378 | 1 456 | 1 525 |
| 17 | 13,26 | 76 | 153 | 231 | 319 | 396 | 485 | 562 | 650 | 728 | 816 | 893 | 982 | 1 059 | 1 147 | 1 225 | 1 313 | 1 390 | 1 479 | 1 556 | 1 644 | 1 722 |
| 18 | 14,04 | 85 | 172 | 258 | 357 | 444 | 543 | 630 | 729 | 816 | 915 | 1 001 | 1 100 | 1 187 | 1 286 | 1 373 | 1 472 | 1 558 | 1 657 | 1 744 | 1 843 | 1 930 |
| 19 | 14,82 | 95 | 191 | 288 | 398 | 495 | 605 | 702 | 812 | 909 | 1 019 | 1 116 | 1 226 | 1 323 | 1 433 | 1 529 | 1 640 | 1 736 | 1 847 | 1 943 | 2 054 | 2 150 |
| 20 | 15,60 | 105 | 212 | 319 | 441 | 548 | 671 | 778 | 900 | 1 007 | 1 129 | 1 236 | 1 358 | 1 465 | 1 588 | 1 695 | 1 817 | 1 924 | 2 046 | 2 153 | 2 276 | 2 383 |

*Useful capacity values are based on the above-water portion height of 500 mm of the unused residue level of 200 mm

**This table does not include the whole model range

***Thickness of heat insulating material is determined on the basis of the thermotechnical calculation depending on the installation region and conditions. In case of applying internal insulation the useful capacity is reduced by the amount of insulation volume

ALLOCATION

Tanks and their allocation are selected according to the source data and always meet the most technically challenging and non-standard customer requirements.

FLAMAX offers comprehensive turn key solutions for the construction of tanks with a pumping station. In this case the customer gains a key advantage: no need to solve problems with the responsibility allocation between contractors.

A comprehensive solution allows to reduce the overall design cost for customers.

Tanks with a pumping station are two very closely related components of one engineering system.

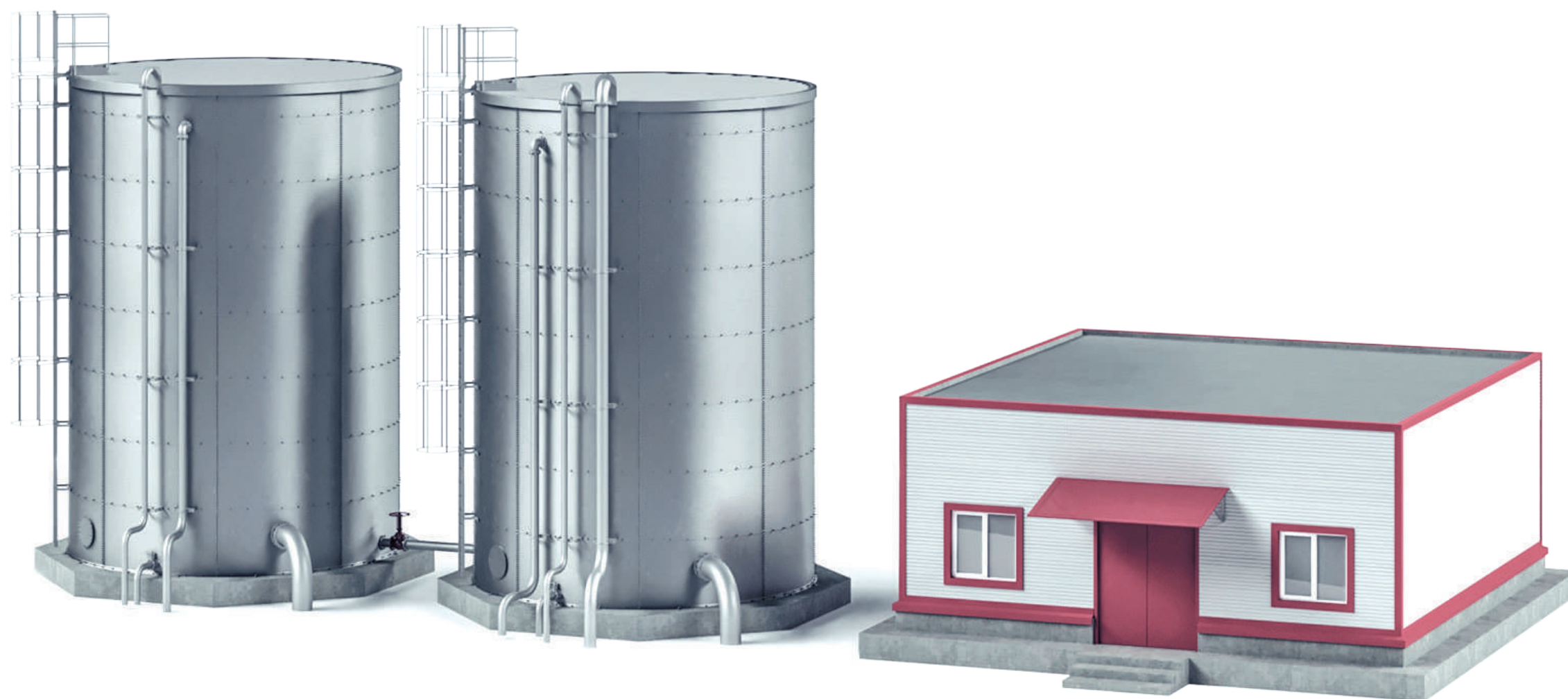
PICTURE OF COMPLETED FACILITY:

- ENTER LOGISTIKA
Reutov, Moscow-Nizhny
Novgorod highway
- Capacity: 2 x 240 m³
- Date: 2015



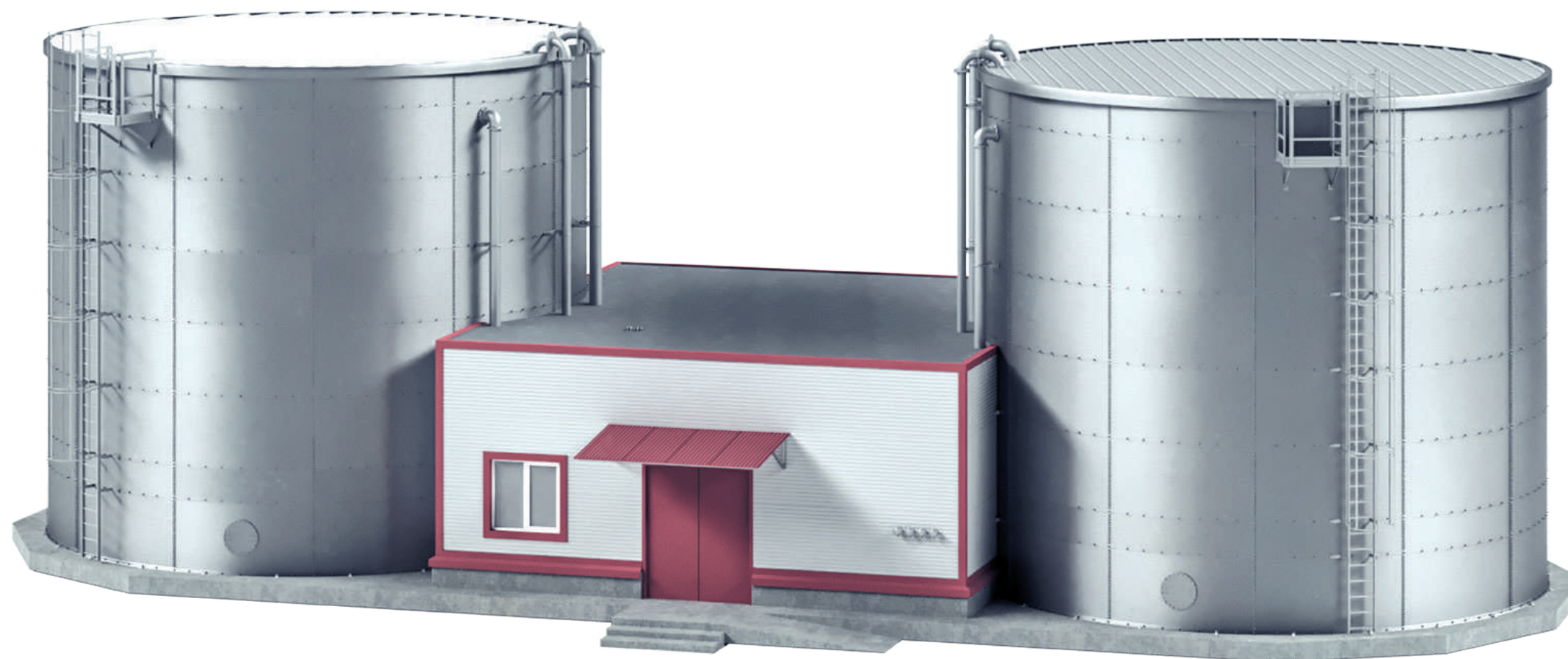
1 FREESTANDING TANKS

Freestanding tanks:
a classical architectural solution



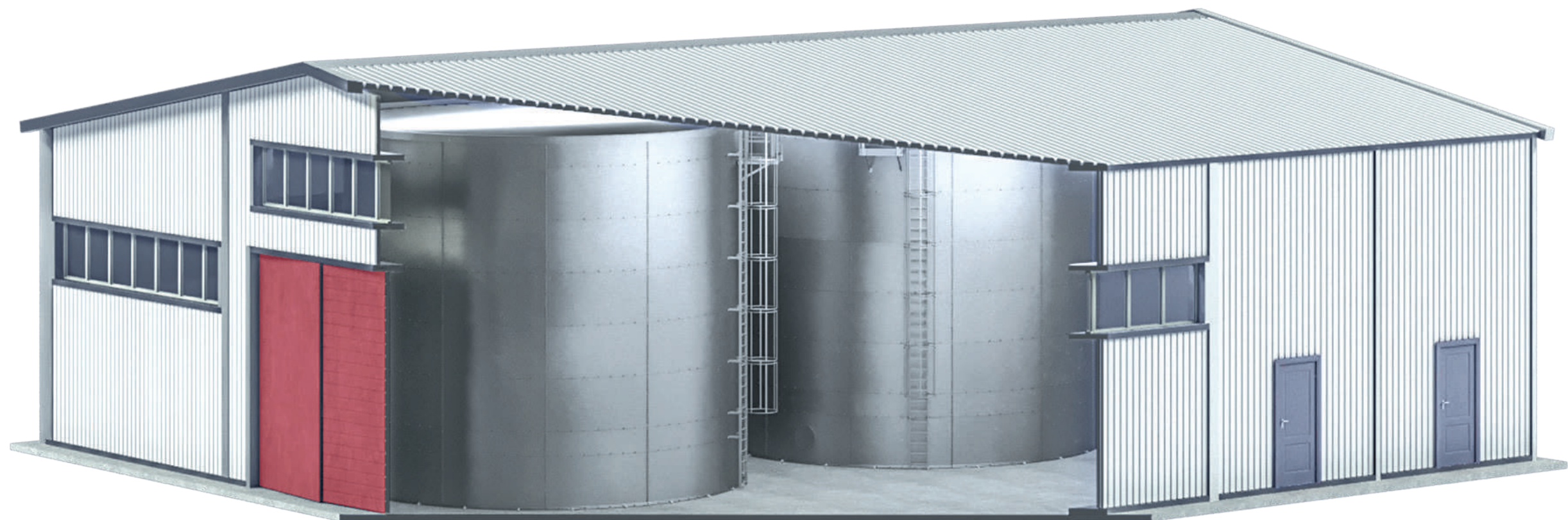
2 TANKS ADJACENT TO THE PUMP STATION/BUILDING

Tanks are adjacent to the pump station/
building: site space saving, no heating
of water-filled pipelines is required, easy
operation of basic units, direct access
to conduits for maintenance.



3 TANKS PLACED INDOORS

Tanks are inside buildings/structures:
a significant reduction of tank cost due
to lack of wind and snow loads.

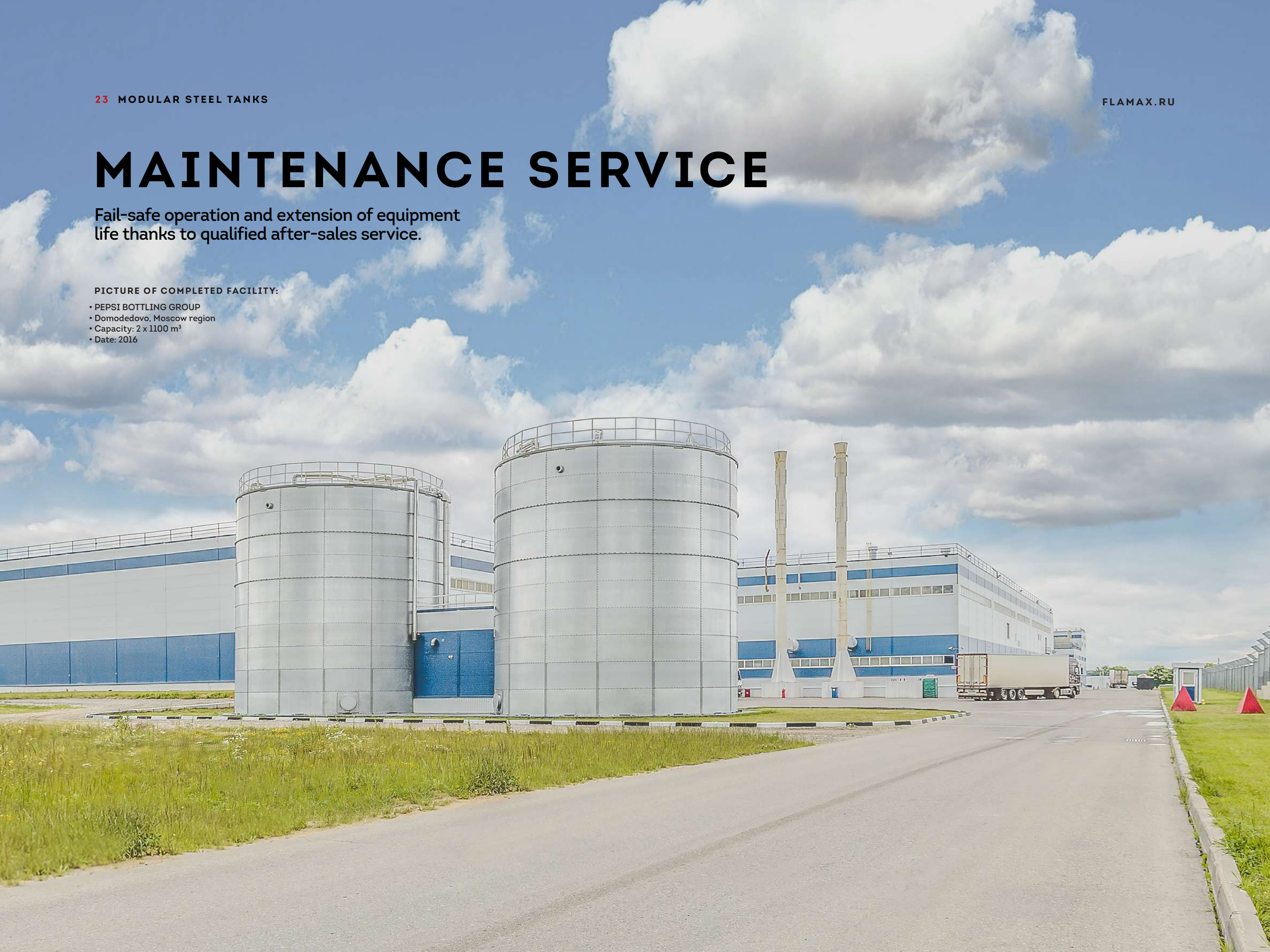


MAINTENANCE SERVICE

Fail-safe operation and extension of equipment life thanks to qualified after-sales service.

PICTURE OF COMPLETED FACILITY:

- PEPSI BOTTLING GROUP
- Domodedovo, Moscow region
- Capacity: 2 x 1100 m³
- Date: 2016



SERVICE DEPARTMENT OPERATION

FLAMAX customer service staff provides a full range of services: from simple technical inspection to the complex replacement of separate components. Well-organized operation of customer service helps to minimize costs for maintenance of tanks, provide consistent quality and uninterrupted operation of systems, allows to avoid unscheduled downtime.

Service strategy of our company consists in providing failure-free operation of equipment after commissioning, continuous monitoring of main units and components, as well as in maximum participation in maintenance or repair works performed by customers



PICTURE 1

Primary service inspection of interior space in order to identify problems and check general condition of the tank is performed by a special robot

PICTURE 2,3

The tank hasn't been serviced for more than 10 years. Internal flanges and membrane are removed

PICTURE 4

A new membrane is installed, flanges, suction fitting and other components are replaced. The tank is as good as new!



UNIVERSAL SERVICE PACKAGES

FLAMAX offers various packages of operational procedures within the framework of contracts and maintenance -schedule:



ECONOMY package

24-hour remote consulting on all equipment-related issues with an agreed number of emergency site visits.



STANDARD package

24-hour remote consulting on all equipment-related issues with an agreed number of scheduled and emergency site visits.

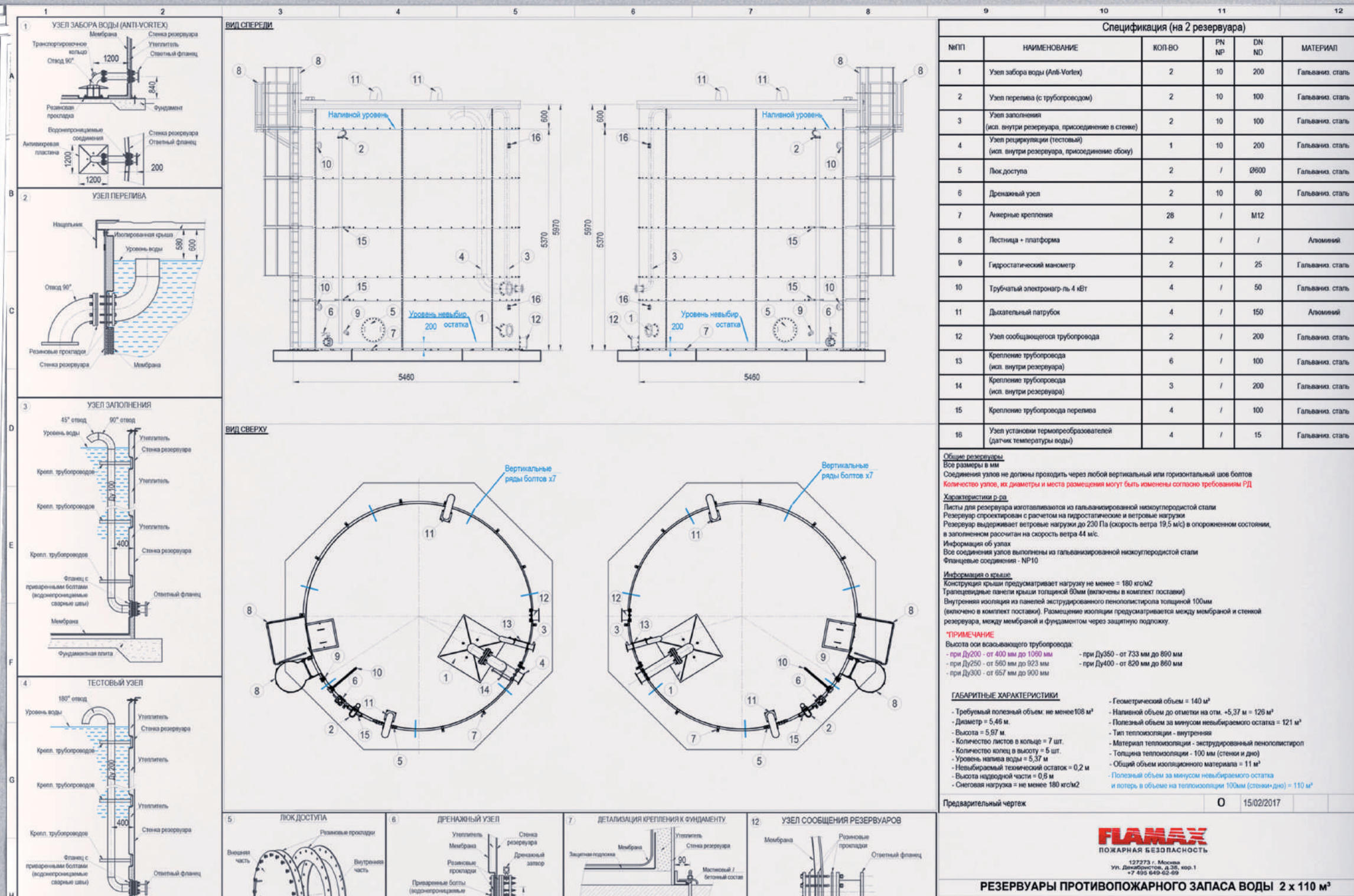


BUSINESS package

24-hour remote consulting on all equipment-related issues with an agreed number of scheduled and emergency site visits.
Extension of warranty period.

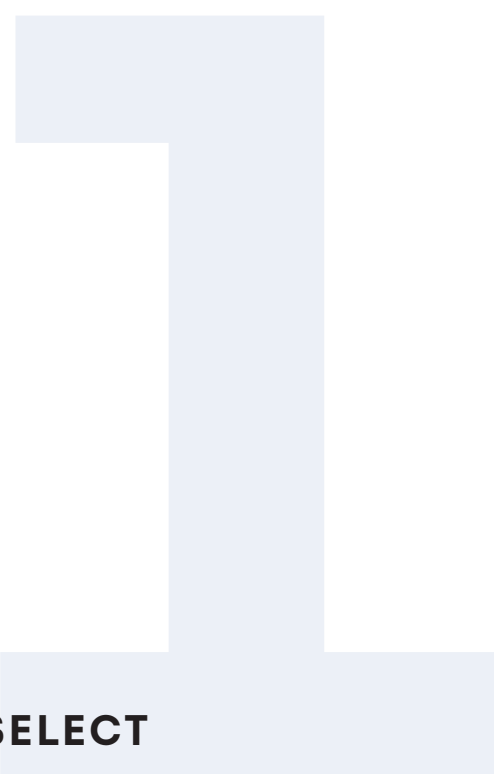
FOR ENGINEERING COMPANIES

FLAMAX design department is actively cooperating with engineering companies, providing comprehensive support from design development and documents preparation to obtaining an expert report.



SUPPORT OF ENGINEERING COMPANIES

We always provide prompt all-round assistance in design development to engineering companies, ready to use our product:



SELECT

the tank that best matches the declared technical specifications.



CONSIDER

all technical issues associated with related works:

- develop foundation requirements indicating loads and tolerances
- develop power supply requirements
- recommend schemes and principles to control water filling and heating automation.



PROVIDE

drawings of designed tank, electric circuit diagrams, automation flow chart, assignment for related works, as well as photorealistic image of the tank (if needed).



CONSULT

on design regulations and standards relating to the tanks for firefighting & potable water storage, as well as various automation equipment and processing facilities of pumping stations.

REFERENCE LIST

Facilities completed in 2015-2018

| No. | NAME OF FACILITY | ADDRESS OF FACILITY | CAPACITY AND QTY OF TANKS | INSTALLATION YEAR |
|-----|--|-------------------------------------|-----------------------------------|-------------------|
| 1 | DATAPRO data center | Moscow | 2x280 m ³ | 2015 |
| 2 | X5-Retail distribution center | Voronezh region | 2 x 550 m ³ | 2015 |
| 3 | Vorsino cross docking facility | Kaluga region | 2 x 600 m ³ FM Global | 2015 |
| 4 | FM Logistic logistics center | Moscow region, Noginsky district | 2 x1052 m ³ | 2015 |
| 5 | ENTER Logistika warehouse facility | Reutov, Moscow region | 2 x 240 m ³ FM Global | 2015 |
| 6 | Decathlon store | Korabselki, Leningrad region | 2 x 375 m ³ | 2015 |
| 7 | STAVROVO AUTOMOTIVE SYSTEMS plant | Peterhof, Leningrad region | 2 x 470 m ³ FM Global | 2015 |
| 8 | Decathlon store | Osinovaya gora, Tula region | 2 x120 m ³ | 2015 |
| 9 | IKEA furniture plant | Novgorod region | 2 x 700 m ³ | 2015 |
| 10 | Leroy Merlin shopping center | Kazan | 2 x 790 m ³ (indoors) | 2015 |
| 11 | Decathlon store | Novaya Adygeya, Republic of Adygeya | 2 x 385 m ³ | 2015 |
| 12 | Tehnodom Tomilino | Tomilino, Moscow region | 2 x 355 m ³ | 2015 |
| 13 | NPK KATREN | Khimki, Moscow region | 1 x 300 m ³ | 2016 |
| 14 | NORD CITY MALL SHOPPING CENTER | Sadovyi village, Novosibirsk region | 2 x 500 m ³ | 2016 |
| 15 | Pepsico Bottling Group | Domodedovo, Moscow region | 2 x 1100 m ³ FM Global | 2016 |
| 16 | Leroy Merlin shopping center | Kirov | 2 x 800 m ³ | 2016 |
| 17 | Leroy Merlin shopping center | Kostroma | 2 x 915 m ³ (indoors) | 2016 |
| 18 | Leroy Merlin shopping center | Ulyanovsk | 2 x 785 m ³ (indoors) | 2016 |
| 19 | Leroy Merlin shopping center | Saratov | 2 x 800 m ³ (indoors) | 2016 |
| 20 | Radumlya Logopark | Radumlya, Moscow region | 2 x 750 m ³ | 2016 |
| 21 | Bytplast plastic articles plant | Egoryevsk, Moscow region | 2 x 600 m ³ | 2016 |
| 22 | A Plus Park Perm industrial logistics facility | Perm krai | 2 x 650 m ³ | 2017 |
| 23 | Leroy Merlin shopping center | Kaliningrad | 2 x 760 m ³ | 2017 |
| 24 | Petrovich shopping center | St. Petersburg | 2 x 540 m ³ | 2017 |
| 25 | Leroy Merlin shopping center | Voronezh | 2 x 965 m ³ | 2017 |

*as of 29.10.2018

REFERENCE LIST

Facilities completed in 2015-2018

| No. | NAME OF FACILITY | ADDRESS OF FACILITY | CAPACITY AND QTY OF TANKS | INSTALLATION YEAR |
|-----|---|--|----------------------------------|-------------------|
| 26 | Leroy Merlin shopping center | Kursk | 2 x 860 m ³ | 2017 |
| 27 | Lenta shopping center | Domodedovo, Moscow region | 2 x 315 m ³ | 2017 |
| 28 | Leroy Merlin shopping center | Irkutsk | 2 x 1000 m ³ | 2017 |
| 29 | Leroy Merlin shopping center | Troitsk, Moscow region | 2 x 910 m ³ (indoors) | 2017 |
| 30 | Honeywell plant | Lipetsk | 2 x 200 m ³ FM Global | 2017 |
| 31 | Leroy Merlin shopping center | Tyumen | 2 x 850 m ³ (indoors) | 2017 |
| 32 | Petkorm pet food plant | Dmitrov, Moscow region | 2 x 500 m ³ | 2017 |
| 33 | Paketti Group plant | Klimovsk, Moscow region | 2 x 425 m ³ | 2017 |
| 34 | Leroy Merlin shopping center | Istra, Moscow region | 2 x 850 m ³ | 2017 |
| 35 | Selgross shopping center | Zelenograd, Moscow region | 2 x 250 m ³ (indoors) | 2017 |
| 36 | Biokad plant | St. Petersburg | 2 x 550 m ³ | 2017 |
| 37 | SEVER-3 logistics center | Solnechnogorskiy district, Moscow region | 2 x 600 m ³ | 2017 |
| 38 | Municipal water service company | Arsk, Republic of Tatarstan | 2 x 500 m ³ | 2017 |
| 39 | ETM warehouse | Kazan | 2 x 435 m ³ | 2018 |
| 40 | Leroy Merlin shopping center | Cherepovets | 2 x 865 m ³ | 2018 |
| 41 | Monetka retail chain warehouse | Ekaterinburg | 2 x 650 m ³ | 2018 |
| 42 | Leroy Merlin shopping center (as part of MEGA) | Novaya Adygeya, Republic of Adygeya | 2 x 1140 m ³ | 2018 |
| 43 | Petrovich shopping center | St. Petersburg | 2 x 432 m ³ | 2018 |
| 44 | Leroy Merlin shopping center | Nizhniy Novgorod | 2 x 800 m ³ (indoors) | 2018 |
| 45 | Leroy Merlin shopping center | Saransk | 2 x 830 m ³ | 2018 |
| 46 | IKEA distribution center | Solnechnogorskiy district, Moscow region | 1 x 750 m ³ FM Global | 2018 |
| 47 | Mercedes-Benz plant | Solnechnogorskiy district, Moscow region | 2 x 630 m ³ | 2018 |
| 48 | Industrial warehouse facility of Vardek furniture plant | Leningrad Region | 2 x 350 m ³ | 2018 |
| 49 | Leroy Merlin shopping center | Domodedovo, Moscow region | 2 x 925 m ³ (indoors) | 2018 |
| 50 | Masterwatt company warehouse | Mytischki, Moscow region | 2 x 460 m ³ | 2018 |

*as of 29.10.2018

REFERENCE LIST

Facilities completed in 2015-2018

| No. | NAME OF FACILITY | ADDRESS OF FACILITY | CAPACITY AND QTY OF TANKS | INSTALLATION YEAR |
|-----|---|--|--|--------------------|
| 51 | Leroy Merlin shopping center | Ekaterinburg | 2 x 835 m ³ (indoors) | 2018 |
| 52 | Leroy Merlin shopping center | Kemerovo | 2 x 600 m ³ (indoors) | 2018 (in progress) |
| 53 | Pyaterochka retail chain | Saratov | 2 x 450 m ³ | 2018 |
| 54 | Leroy Merlin shopping center | Ramenskoe, Moscow region | 2 x 777 m ³ | 2018 |
| 55 | M2 agricultural enterprise | Volokolamskiy district, Moscow region | 2 x 273 m ³ (indoors) | 2018 (in progress) |
| 56 | Vikhorevka railway station (RZD) | Irkutsk region | 2 x 1000 m ³ | 2018 (in progress) |
| 57 | ORIMI tea processing facility | St. Petersburg | 2x200 m ³ | 2018 |
| 58 | Wildberries distribution center | Podolskiy district, Moscow region | 2 x 745 m ³ | 2018 |
| 59 | Car spare parts & care products warehouse | Pushkino, Moscow region | 2 x 500 m ³ | 2018 (in progress) |
| 60 | M60 LOGOPARK | Artem, Primorsky krai | 2 x 870 m ³ (indoors) | 2018 (in progress) |
| 61 | Monetka retail chain warehouse | Nefteyugansk | 2 x 690 m ³ | 2018 (in progress) |
| 62 | Baza-1 warehouse facility | Podolskiy district, Moscow region | 2 x 600 m ³ FM Global | 2018 (in progress) |
| 63 | SEVER-4 logistics center | Solnechnogorskiy district, Moscow region | 2 x 600 m ³ | 2018 (in progress) |
| 64 | Leroy Merlin shopping center | Izhevsk | 2 x 860 m ³ | 2018 (in progress) |
| 65 | Leroy Merlin shopping center | Rostov-on-Don | 2 x 830 m ³ | 2018 (in progress) |
| 66 | Huhtamaki CIS plant | Ivanteevka, Moscow region | 2 x 250 m ³ | 2018 (in progress) |
| 67 | FM Logistic logistics center | Aksayskiy district, Rostov region | 2 x 1080 m ³ | 2018 (in progress) |
| 68 | ETM warehouse | Samara | 2 x 400 m ³ | 2018 (in progress) |
| 69 | Taman seaport | Taman, Krasnodar krai | 2 x 1000 m ³ + 2 x 100 m ³ | 2018 (in progress) |

Thank you for your attention!



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