

VATEX
MANUFACTURING
COMPANY

POLYMER COMPOSITE WATER TOWERS

THE FUTURE OF LOCAL WATER SUPPLY

THE STRENGTH OF COMPOSITES COMBINED WITH THE FOOD AND OPERATIONAL SAFETY OF POLYMERS

RusComPolymer LLC, VATEX TM
2025



THE SOURCE OF LIFE

- ➔ **TO MEET THE DAILY WATER REQUIREMENT FOR ONE PERSON, APPROXIMATELY 250 LITERS OF WATER ARE NEEDED**
- ➔ **A DAILY REQUIREMENT OF 100 LITERS OF WATER PER ANIMAL**
- ➔ **20 LITERS OF WATER PER SECOND ARE NEEDED TO EXTINGUISH A FIRE**
- ➔ **THE PROCESS OF WATERING CROPS REQUIRES A DAILY WATER SUPPLY RANGING FROM 5,000 TO 10,000 LITERS PER HECTARE**
- ➔ **ONE AGRICULTURAL UNIT REQUIRES BETWEEN 30 AND 100 LITERS OF WATER FOR OPERATION**

WATER TOWERS ARE USED FOR CONTINUOUS, UNINTERRUPTED AND EMERGENCY WATER SUPPLY TO THE INDUSTRIAL AND HOUSING SECTORS



RUSSIA'S HISTORY OF PROVIDING LOCAL WATER SUPPLIES

THE PAST

The stone towers were replaced by the invention of the Soviet engineer Anton Rozhnovsky. He created a metal water tower, for which he received the highest state prize



1951-2019

THE PRESENT DAYS

The shape of the tower allows you to store a large amount of water. This tower is not only economical, but also fast and easy to install. There are about 120,000 water towers in different parts of Russia



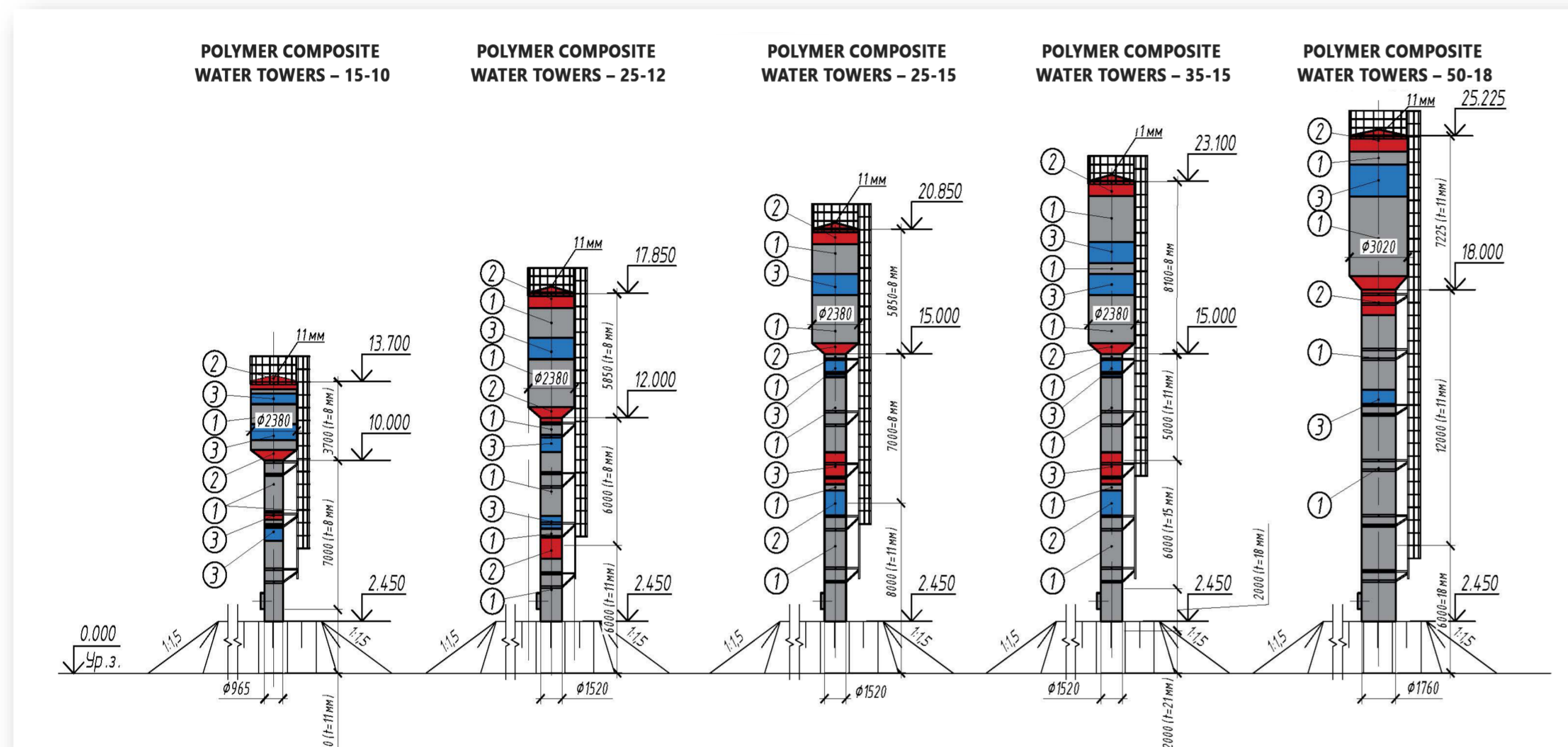
Since 2019

THE FUTURE

RusKomPolymer LLC, known under the VATEX trademark, is engaged in the design and installation of towers made of innovative polymer composite material ARM VATEX throughout Russia



POLYMER COMPOSITE WATER TOWERS TYPES



OPERATIONAL BENEFITS

- ✓ OPERATING TEMPERATURE UP TO 80 °C
- ✓ THE LOW THERMAL CONDUCTIVITY OF THE MATERIAL ENSURES THE PRESERVATION OF THE WATER TEMPERATURE AS IN THE SOURCE, AND PREVENTS THE DEVELOPMENT OF PATHOGENIC MICROORGANISMS
- ✓ THE HOLLOW SUPPORT OF THE TOWER ALLOWS YOU TO STORE AN ADDITIONAL SUPPLY OF WATER. WHEN THE TOWER IS INSTALLED ON A HILL, IT ENSURES STABLE PRESSURE AND A CONSTANT SUPPLY OF WATER

TYPE OF TOWERS	TOTAL CAPACITY (M ³)	TANK CAPACITY (M ³)	TANK DIAMETER (MM)	DIAMETER OF THE WATER TOWER SUPPORT (MM)	HEIGHT OF THE WATER TOWER SUPPORT M
POLYMER COMPOSITE WATER TOWERS – 15-10	22	15	2380	965	10
POLYMER COMPOSITE WATER TOWERS – 25-12	46	25	2380	1520	12
POLYMER COMPOSITE WATER TOWERS – 25-15	51	25	2380	1520	15
POLYMER COMPOSITE WATER TOWERS – 35-15	61	35	2380	1520	15
POLYMER COMPOSITE WATER TOWERS – 50-18	92	50	3020	1760	18

RECOMMENDED TOWER COLOR OPTIONS

OPTION 1

① - SILVERY

② - BLUE

③ - RED

OPTION 2

① - LIGHT GREY

② - CAMOUFLAGE COLOR

③ - RED-BROWN

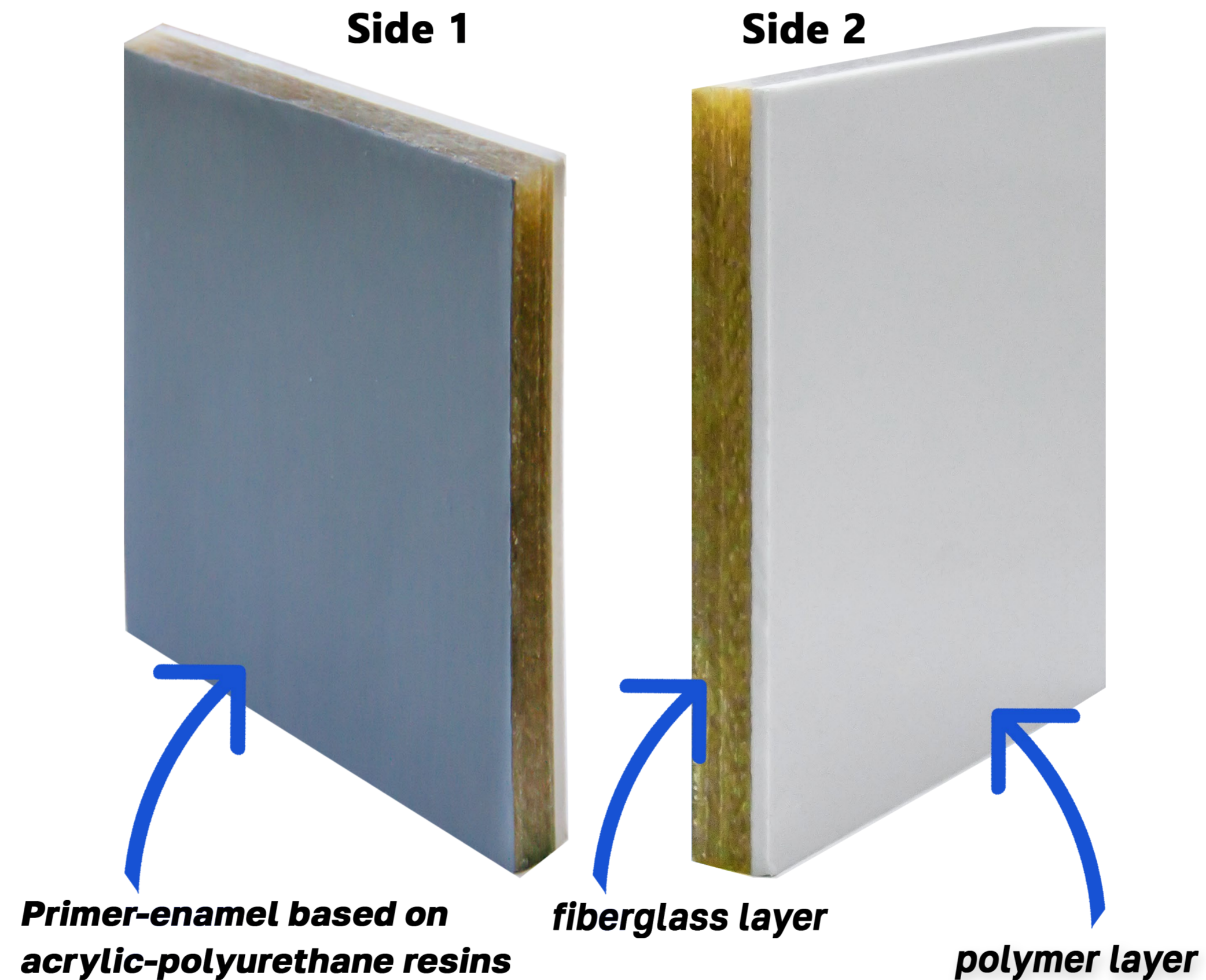


OPERATIONAL BENEFITS

POLYMER COMPOSITE WATER TOWERS

INNOVATIVE COMPOSITE MATERIAL ARM VATEX

MODERN ECO-FRIENDLY
REPLACEMENT OF
METAL AND REINFORCED
CONCRETE

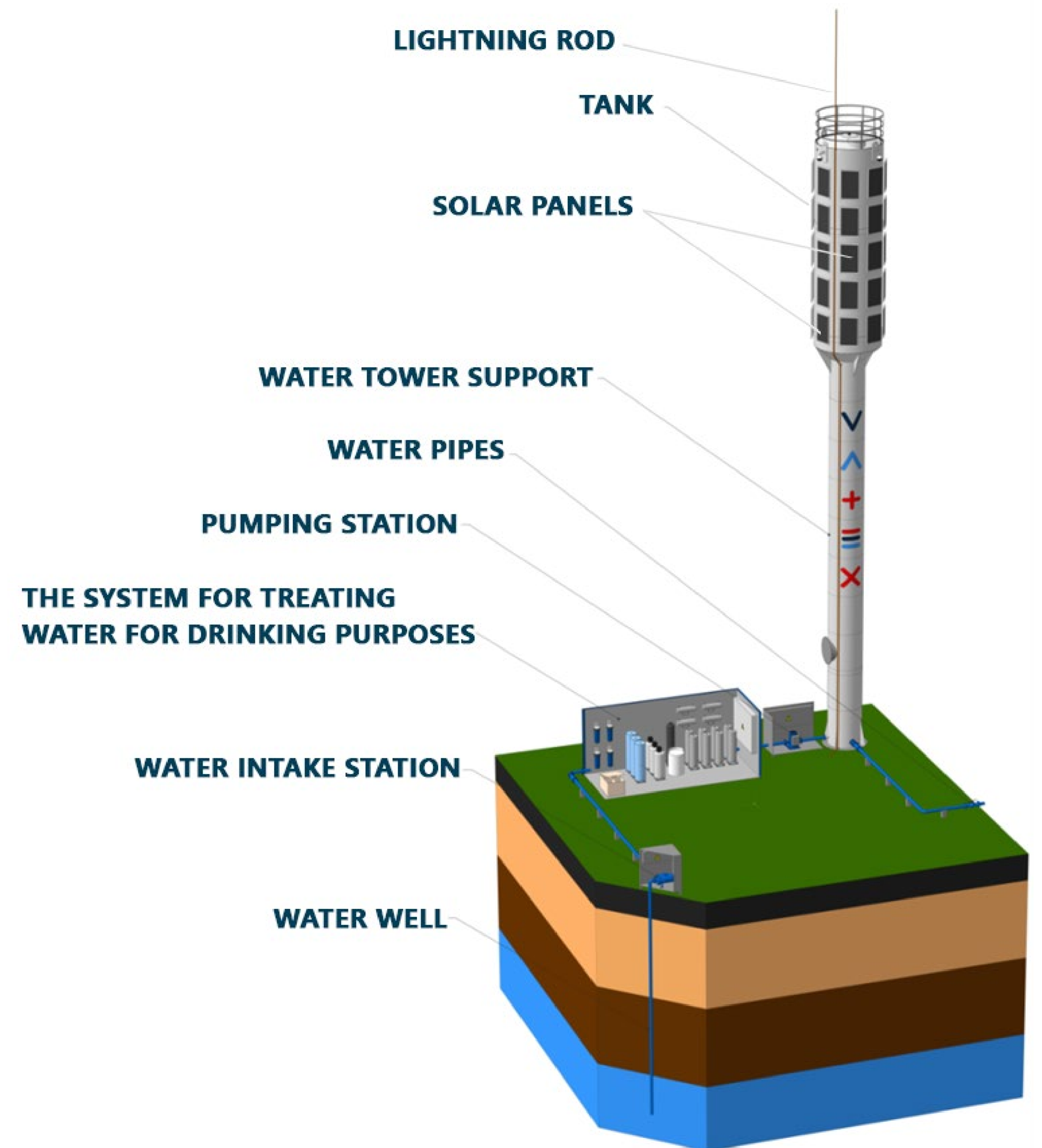


- WEAR RESISTANCE,
- IMPACT STRENGTH
- CHEMICAL RESISTANCE
- ENVIRONMENTAL SAFETY
- UV RESISTANCE
- SUITABLE FOR FOOD STORAGE

HOW IT WORKS?



- ✓ THE PUMPING STATION SUPPLIES WATER TO THE TOWER TANK, WHEN THE CONSUMPTION DECREASES, ITS EXCESS ACCUMULATES, FROM WHERE IT IS AGAIN CONSUMED WHEN THE WATER CONSUMPTION INCREASES
- ✓ THE PUMPS ARE POWERED BY SOLAR PANELS
- ✓ THE HEIGHT OF THE TOWER PROVIDES A RESERVE AND CONSTANT PRESSURE
- ✓ THE POLYMER-COMPOSITE MATERIAL ENSURES DURABILITY, EASE OF MAINTENANCE, AND FOOD SAFETY



IMPROVING THE QUALITY OF LIFE OF THE PEOPLE

- PRESERVATION OF WATER QUALITY
- CONSTANT WATER SUPPLY
- LOW THERMAL CONDUCTIVITY
- MAINTENANCE-FREE
- TECHNOLOGY AND MATERIALS OF THE RUSSIA
- THE SERVICE LIFE IS 50 YEARS
- ECO-FRIENDLINESS



THE TOWER CAN WITHSTAND A WEIGHT OF UP TO 200 KG AND IS EQUIPPED WITH



COMMUNICATION SYSTEMS



HYDROMETEOROLOGICAL STATION, SEISMOGRAPH



AUTONOMOUS POWER SUPPLY SYSTEMS



PRODUCTION AND SHIPMENT

AUTOMATED COMPLEX FOR THE PRODUCTION OF PIPES AND PARTS FOR CYLINDRICAL TANKS ARM VATEX PRO 1.0

PURPOSE OF THE COMPLEX

CREATE PIPES AND TANK PARTS FROM INNOVATIVE THREE-LAYER COMPOSITE MATERIAL ARM VATEX IN A SINGLE PRODUCTION CYCLE



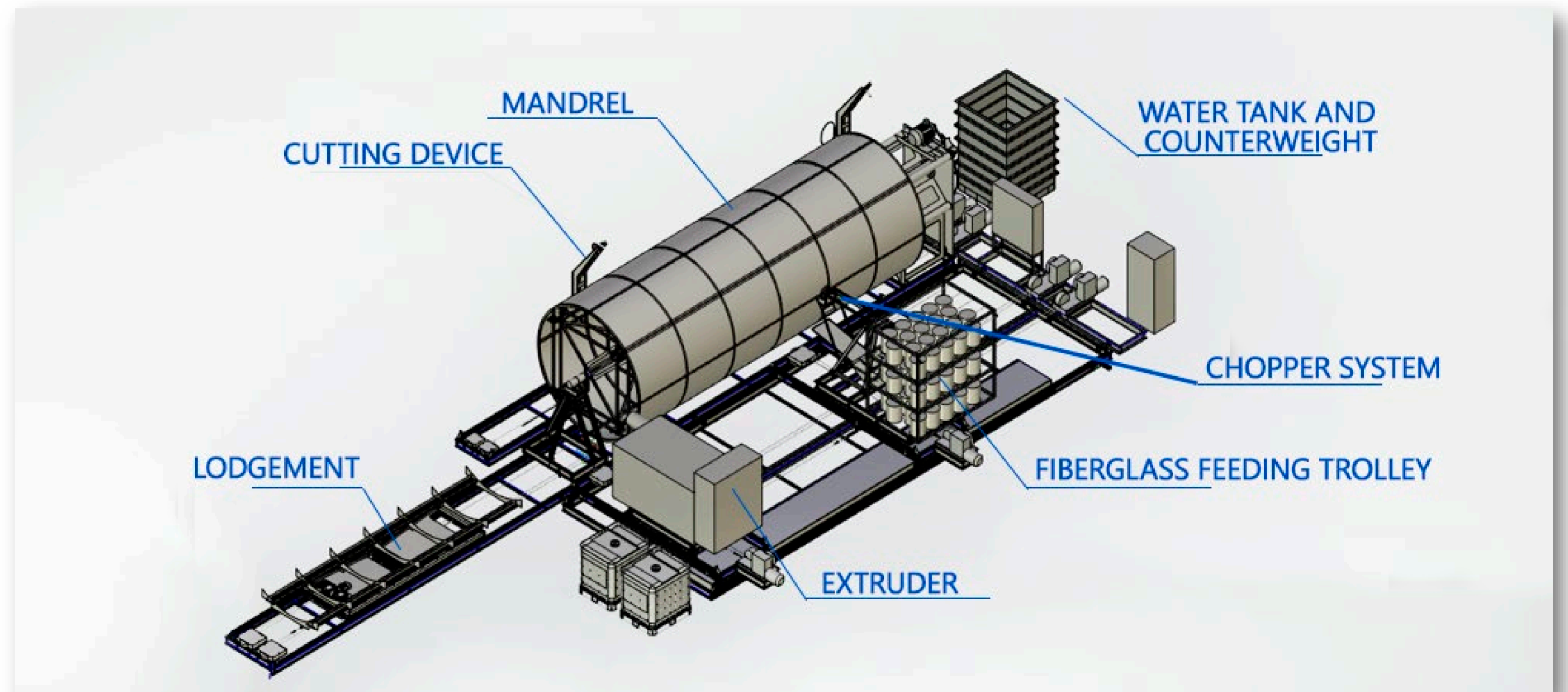
PRODUCTION AND SHIPMENT

THE PRINCIPLE OF OPERATION

THE ROTATING MANDREL WINDS LAYERS OF THERMOPLASTIC, FIBERGLASS FIBER AND POLYESTER RESIN IN A SINGLE TECHNOLOGICAL CYCLE.

REMOVABLE MANDRELS ALLOW YOU TO CREATE PIPES OF DIFFERENT DIAMETERS: FROM 900 TO 3000 MM AND MORE

THE PNEUMATIC SYSTEM REDUCES THE DIAMETER OF THE MANDREL. THE MANDREL ROLLS FREELY ALONG THE GUIDES, LEAVING THE FINISHED PRODUCT ON THE LIFTING PLATFORM



TECHNICAL SPECIFICATIONS	INFORMATION ABOUT THE COMPLEX ARM VATEX PRO 1.0
<ul style="list-style-type: none">➤ RAW MATERIALS USED: THERMOPLASTIC PELLETS, GLASS FIBRE AND FABRIC, POLYESTER WEB, EPOXY RESIN, HARDENER, ADDITIVES➤ THE OUTPUT: 2 TO 4 OF PRODUCTS PER SHIFT➤ AUTOMATED PRODUCTION OF PRODUCTS BASED ON INPUT PARAMETERS➤ POWER REQUIREMENTS: 380V, MAXIMUM DEMAND OF 150 KILOWATT-HOURS	<ul style="list-style-type: none">➤ PRODUCTION FROM 2024➤ OWNERSHIP OF DESIGN DOCUMENTATION: OWN DEVELOPMENT UNDER CERTIFICATION➤ LOCALIZATION LEVEL OF 60% OF RUSSIAN COMPONENTS➤ WARRANTY: 1 YEAR AFTER-SALES SERVICE SUPPORTS➤ СЕРВИС: ПОЛНЫЙ КОМПЛЕКС УСЛУГ



PRODUCTION AND SHIPMENT



MANUFACTURING COMPANY RusKomPolymer LLC, VATEX TM

- ✓ EQUIPMENT AND TECHNOLOGIES FOR WATER PURIFICATION AND PURIFICATION OF INDUSTRIAL AND LOCAL EMISSIONS



- ✓ CAPACITIVE, VENTILATION, ELECTROPLATING EQUIPMENT MADE OF CHEMICALLY RESISTANT MATERIALS

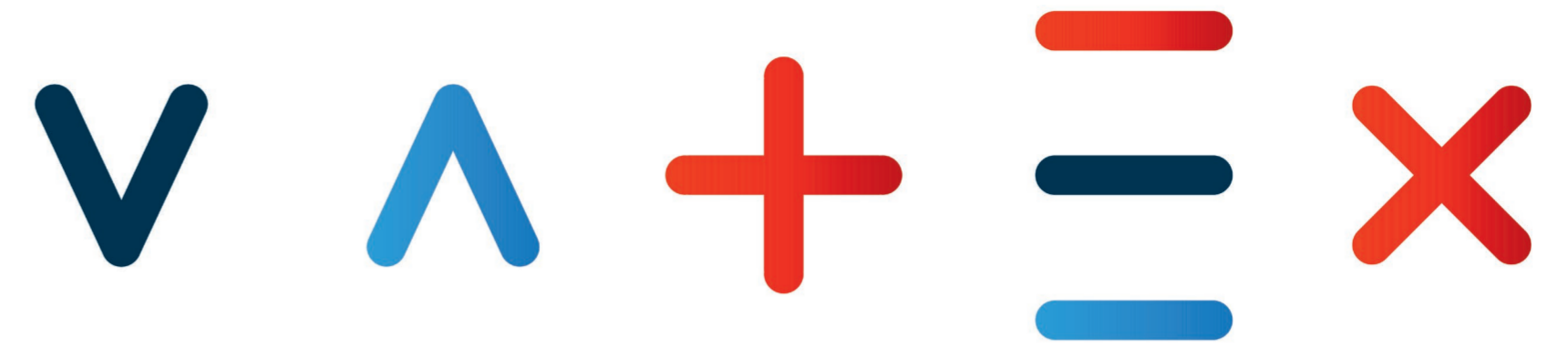


- ✓ SUCCESSFUL EXPERIENCE IN THE DEVELOPMENT AND IMPLEMENTATION OF INNOVATIVE MATERIALS AND EQUIPMENT



- ✓ THE DEVELOPMENT AND EXECUTION OF AUTOMATED MANUFACTURING SYSTEMS





VATEX
MANUFACTURING
COMPANY

THANK YOU FOR YOUR ATTENTION!

RusComPolymer LLC, VATEX TM



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