United States Mobile Water Treatment Systems Market Segmented By Technology (Membrane, Resin & Filtration), By End User (Power & Energy, Oil & Gas, Pharmaceutical, Municipal, Pulp & Paper, Chemical Processing, and Others), By Region, Competition, Forecast and Opportunities, 2028

Market Report (3 business days) | 2023-10-03 | 83 pages | TechSci Research

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Report description:

United States mobile water treatment systems market is predicted to proliferate during the forecast period.
Water is a fluid that moves naturally and includes several different minerals, vitamins, and pollutants. As a result, this naturally flowing fluid needs to be cleaned using chemicals before it can be used by the general population. The process that improves the quality of the water and qualifies it for certain end use, is known as "water treatment." Drinking water, industrial water supply, irrigation, maintaining river flow, and other activities are examples of end uses. The process of treating water involves removing pollutants and undesired components. Contamination also refers to the presence of soil-derived substances, contaminants, insects, and so forth. Because it allows people to benefit from both drinking and irrigation, this treatment is essential for maintaining human health.
The need for mobile water purification systems is continuing to rise across the nation due to the growing requirement for a fast response to a water crisis in the event of a plant downtime, facility maintenance, or drinking water scarcity. The need for mobile water treatment systems is being impacted by numerous areas of the nation that are threatened with serious water shortages and declining freshwater supplies. Additionally, with the COVID-19 outbreak, water quality has become a significant issue in both the household and industrial sectors. The service provider offers industrial services in addition to the treatment and distribution of waste management, drinking water, and wastewater.
Many sectors, including those that produce chemicals, food and beverage, cosmetics, and medicines, depend heavily on water for production, therefore having access to decontaminated water is one of their top objectives. The production process might be entirely ruined without decontaminated water, lowering the quality of the final product. Therefore, the process water at these facilities is cleaned in water treatment plants. A mobile water treatment plant is often employed when an industrial facility is

expanding operations or when an existing water treatment plant fails. A mobile water treatment plant is also an effective option for smaller industrial companies that are experiencing capital insufficiency because of its simple transportability, installation, and space requirement. Additionally, in places impacted by floods and other natural calamities, transportable water treatment units are frequently utilised as mobile water treatment plants to treat water.

Food and beverage, pharmaceutical, chemical, textile, and petrochemical sectors, among others, are growing because of the increased global urbanisation and population expansion. Additionally, the rising demand for food products is also boosting the agricultural sector. These industries use large amounts of water in their manufacturing operations. The demand for goods including paper, clothing, gasoline, energy, and other commodities have grown as people's spending power rises. The United States Department of Energy states that 1.5 barrels of water is required to refine 1 barrel of crude oil in a typical refinery. Additionally, there is a growing requirement for clean water across a variety of manufacturing and processing industries, including power and energy, pharmaceuticals, and chemicals, which is driving up the demand for mobile water treatment equipment. If a disaster strikes the country frequently, such as storm, mobile desalination machines are used in regions with scarce water supplies or in times of emergency. Water treatment facilities, especially portable ones, are needed because of the extensive water use in many different sectors. Hence, the growth of industries has positively influenced the mobile water treatment market.

Rising Demand for High-Purity Water Across the Country

The mobile water treatment facilities consist of heated, well-insulated, and air-conditioned containers supply clean drinking water to a small community. According to forecasts from the Congressional Budget Office, the population of the United States would rise from 336 million in 2023 to 373 million in 2053. Additionally, net immigration is majorly responsible for the rising population rate across the country. This is going to boost the demand for mobile water technology to purify drinking water across the country. Additionally, between 20 and 30 percent of industrial and domestic applications require extremely clean water, which fuels United States' demand for mobile water treatment technologies. This information came from the United Nations Water Organization. The massive expenditures made by governments, municipalities, and industrial sectors to construct portable facilities for safe water treatment across the world have increased the demand for mobile water treatment systems across the country.

High Costs of Water Treatment Equipment

The components of mobile water treatment systems include clarifiers, mobile water treatment containers, mobile reverse osmosis systems, mobile wastewater treatment, mobile water filtration systems, mobile process water treatment, and sewage treatment choices. Every piece of equipment used for wastewater treatment requires a significant initial investment. For instance, according to the American Society for Civil Engineers, the average cost of sustainable water distribution and wastewater treatment infrastructure in the United States is expected to be USD 84 billion in 2020. The market for goods and services for commercial and residential wastewater treatment in developing countries may alter and increase to USD 206 billion depending on the amount of water needed. In addition to increasing government activities, the emerging area establishes water treatment facilities across the country.

Impact of COVID-19

The COVID-19 pandemic has had an impact on many enterprises. Travel bans, widespread lockdowns, and company closures were all necessary responses to the growing number of COVID-19 patients, which also forced the different governments to place limitations on the movement of people, products, and commodities. Lockdown restrictions have decreased the output of products and services and lowered the frequency of service offers. Due to the temporary halt in operations, income in manufacturing, food and beverage, oil and gas, chemicals, mining, and other industries has significantly decreased. After the country imposed a lockdown in the first quarter of 2020, several industrial sectors experienced operational problems. Pharmaceutical, food, construction, laboratory, and industrial sectors, among others, employ mobile water treatment solutions extensively. Therefore, the market share for mobile water treatment has increased significantly from the third quarter of 2020.

Market Segmentation

The United States mobile water treatment systems market is divided into technology, end user, and region. Based on technology, the water is divided into membrane and resin & filtration. Based on end user, the market is divided into power & energy, oil & gas, pharmaceutical, municipal, pulp & paper, chemical processing, and others. The market analysis also studies the regional

segmentation to devise regional market segmentation, divided among Northeast, Midwest, West, and South.
Company Profiles
Veolia Water Technologies & Solutions, Evoqua Water Technologies LLC, Veolia North America LLC, Veolia North America LLC, Culligan International Company, Fluence Corporation Limited, UCC Environmental LLC, Orenco Systems Inc, Aquatech International LLC, and Alar Water Treatment LLC are among the major players that are driving the growth of the United States mobile water treatment systems market.
Report Scope:
In this report, the United States mobile water treatment systems market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:
-United States Mobile Water Treatment Systems Market, By Technology:
oMembrane
oResin
oFiltration
-United States Mobile Water Treatment Systems Market, By End User:
oPower & Energy
oOil & Gas
oPharmaceutical
oMunicipal
oPulp & Paper
oChemical Processing
oOthers
-United States Mobile Water Treatment Systems Market, By Region:
oNortheast
oMidwest
oWest
oSouth
Competitive Landscape
Company Profiles: Detailed analysis of the major companies present in the United States mobile water treatment systems market.
Available Customizations:
With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:
Company Information
-Detailed analysis and profiling of additional market players (up to five).

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(Note: The companies list can be customized based on the client requirements.)

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