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BWX TECHNOLOGIES SWOT & PESTLE ANALYSIS

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Company Name : BWX Technologies

Company Sector : Nuclear Technology and Solutions

Operating Geography : United States, North America

About the Company : BWX Technologies is a nuclear components and fuel provider to the U.S. government and supplies precision manufactured components, services and CANDU® fuel for the commercial nuclear power industry. It is headquartered in Lynchburg, Virginia. BWX Technologies, Inc. (BWXT) traces its history back to the 1850s with the invention of the water tube boiler, operating under The Babcock & Wilcox Company. BWX Technologies Inc. started trading separately from its former subsidiary Babcock & Wilcox Enterprises Inc. after a spinoff in July, 2015. The company's business units include BWXT Nuclear Operations Group, Inc. which produces naval nuclear reactors for the Naval Nuclear Propulsion Program, for use in submarines and aircraft carriers; BWXT Technical Services Group, Inc. which provides management, operational, technical and environmental services for U.S. government facilities and private industry; BWXT Canada Ltd. which offers the nuclear industry with the fuel, equipment, components, engineering and field services for CANDU® reactors needed to successfully operate nuclear power plants. The company is ranked at 772 on the Fortune500 list in 2021.

BWX Technologies' Unique Selling Proposition or USP lies in it being the leading supplier of nuclear components and fuel in United States. The company's mission statement reads, "Our mission is to provide safe and effective nuclear solutions for national security, clean energy, environmental remediation, nuclear medicine and space exploration".

Revenue :

\$ 1,895 million - FY ending 31st December 2020

\$ 1,800 million - FY ending 31st December 2019

SWOT Analysis :

The SWOT Analysis for BWX Technologies is given below:

Strengths	Weaknesses
<ul style="list-style-type: none"> 1.Over 100 Years of Experience of supplying defense equipment 2.The largest domestic supplier of research reactor fuel elements for colleges, universities and national laboratories Consistently strong financials and shareholder returns 3.Consistently strong financials and shareholder returns 4.Record order backlog as of FY2019 	<ul style="list-style-type: none"> 1.Operating activities present risks of injury and loss of life which cannot be fully avoided. 2.Operating activities subject BWXT to various risks including damage to customers' property and third-party claims. 3.Requirement of numerous licenses, permits and certifications and uncertainty in terms of impact of changes in legislations
Opportunities	Threats
<ul style="list-style-type: none"> 1.BWXT to lead the US\$ 106 million micro-reactor project. 2.Strategic Acquisition of Laker Energy Products Ltd. and Nordion Medical Isotope Business. 3.Divestiture related to Nuclear Services Portfolio. 	<ul style="list-style-type: none"> 1.Threats from terrorist attacks, hence security is a top concern. 2.Potential Cyber Security threats and corporate espionage. 3.Environmental activism based on reports of increased toxicity due to operating activities.

PESTLE Analysis :

The PESTLE Analysis for BWX Technologies is given below:

<p style="text-align: center;">Political</p> <ol style="list-style-type: none"> 1.The new US administration considering Nuclear Power in their climate plan 2.Players in the nuclear energy and defence industry are dependent on government contracts and funding 	<p style="text-align: center;">Economical</p> <ol style="list-style-type: none"> 1.Growing demand for medical radioisotopes. 2.Varying demand of Uranium which is used as a fuel
<p style="text-align: center;">Social</p> <ol style="list-style-type: none"> 1.Protests against the harmful effects of a nuclear facility on its surroundings paint a negative image of nuclear energy companies 2.Climate change and shift towards greener fuel is a sentiment that will benefit BWXT 	<p style="text-align: center;">Technological</p> <ol style="list-style-type: none"> 1.Development of Microreactors is a necessary measure as it is considered to be beneficial as a clean source of energy 2.Nuclear Thermal Propulsion (NTP) is considered as an attractive 21st century option to propel human exploration missions to Mars and other deep space destinations
<p style="text-align: center;">Legal</p> <ol style="list-style-type: none"> 1.Stringent measures being taken by the governments against violation of safety norms 2.History of fines for violation of nuclear safety rules 	<p style="text-align: center;">Environmental</p> <ol style="list-style-type: none"> 1.Activism against harmful effects of nuclear facilities on human health and living

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