Pak Elektron Limited

Oil Filled Distribution and Power Transformers in USA

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Executive Summary

This report provides a comprehensive analysis of oil/liquid filled distribution, and power transformers in the United States market, with a special focus on four major areas: annual sales of liquid filled distribution transformers in the USA, the import percentage of these transformers, the standard distribution and power transformer ratings in the USA, and the prequalification criteria for utilities in California.

Firstly, the report incorporates roughly all the major global, and American local transformer manufacturers, their products, ratings, and specifications. This information provides an excellent opportunity to analyze the products offered by PEL's competitors and identify areas where PEL holds a competitive edge in comparison, leveraging their product line. The first section also features the approximate sales of oil filled distribution transformers in the USA in 2022. A series of consultations were conducted with industry experts to identify the approximate sales and understand the demand for these transformers in the market. Global manufacturers are leading the sales charts, followed closely by domestic manufacturers from the United States and Canada.

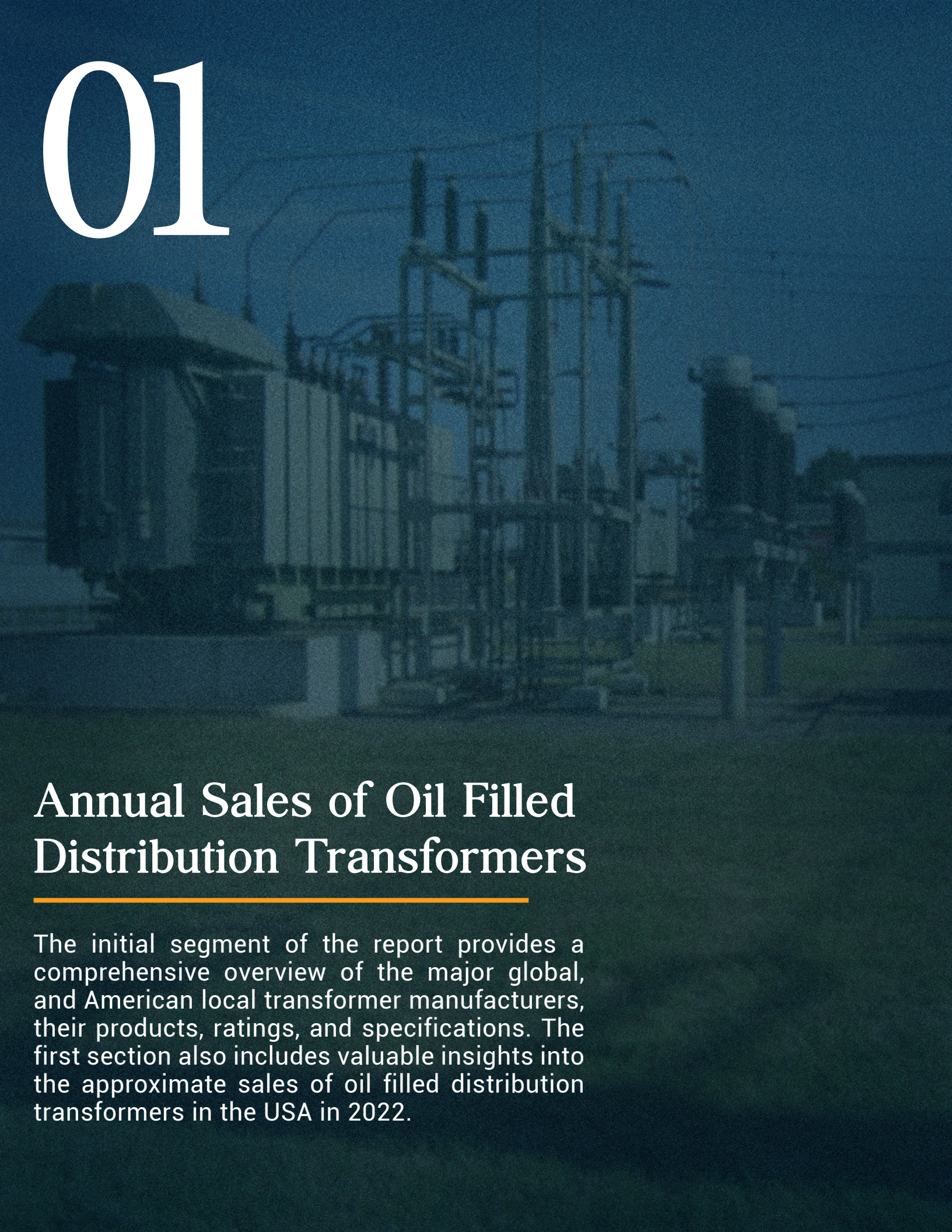
Secondly, the report examines the approximate percentage of imports of oil-filled distribution transformers in the USA. Based on the available data it is estimated that the imports account for approximately 25 to 30 percent of the overall procurement of oil-filled distribution transformers. This is a valuable insight for PEL that predicts the dependence on foreign suppliers and potential risks associated with the trade

policies.

Next, the report outlines major electric utilities in California, their types, and standard ratings of oil-filled distribution and power transformers in the United States of America. It delivers details on the typical voltage and power ratings commonly used in the United States and especially in California. This information is valuable for PEL to ensure that their transformers meet these necessary standards and specifications to penetrate the USA market.

Finally, the report outlines the prequalification criteria for California utilities. These criteria serve as a benchmark for utilities to evaluate and select suppliers for their transformer requirements. The report will assist PEL in understanding these requirements and enhance their chances of successful partnerships with the utilities in California.

In conclusion, this report presents valuable insights into the oil-filled distribution transformers market. It covers the approximate annual sales figures, the percentage of imports in procurement, the prequalification criteria for utilities in California, and the standard ratings used by California utilities. This information will guide decision-making processes, enabling PEL to optimize their strategies and capitalize on the opportunities present in this market.



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Annual Sales of Oil Filled Distribution Transformers

The initial segment of the report provides a comprehensive overview of the major global, and American local transformer manufacturers, their products, ratings, and specifications. The first section also includes valuable insights into the approximate sales of oil filled distribution transformers in the USA in 2022.

Siemens Energy

Siemens Energy is a multinational organization that offers energy solutions which include energy generation, transmission, and distribution. The company is a spin-off of Siemens AG with its incorporation carried out in 2020. Siemens Energy's operations span across more than 90 countries, and it currently employs a workforce of 92,000 individuals. The company is considered a global market leader within the energy industry and is playing a constructive role in transitioning towards a more sustainable future. Siemens Energy commits to catering to its customers with the most affordable, sustainable, and reliable energy solutions.

Website:
https://www.siemens-energy.com/us/en.html

Headquarters:
Munich, Germany

Email:
support@siemens-energy.com

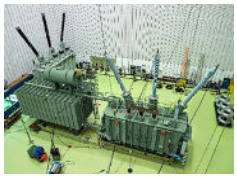
Transformers Manufacturing Facilities in USA:

- Auburn, Alabama
- Decatur, Alabama
- Orlando, Florida

Liquid Filled Distribution Transformers

Visuals	Transformer	Rating	Standards	Specifications
	Pole and pad-mounted distribution transformers	Voltage level of up to 36kV and a rating of up to 2,500kVA.	ANSI & IEEE	Available as single-phase or 3-phase units Siemens Energy also offers pad-mounted distribution transformers with the same ratings as pole-mounted units.
	Standard fluid-immersed transformers	Between 2,500 kVA and 6,300kVA. They offer a maximum voltage capacity of 36kV.	ANSI & IEEE	
	Large fluid-immersed transformers	Power rating from 6.3 up to 30MVA Voltage can go up to 145kV	ANSI & IEEE	

Power Transformers

Visuals	Transformer	Rating	Standards	Specifications
	Generator step-up transformers	Up to 1,300 MVA (3 phases) and 700 MVA (1 phase) System voltages: up to 1,100 kV	IEC & IEEE	
	Unit auxiliary transformer	Ratings: up to 40 MVA, mostly with off-circuit tap changer (NLTC)	IEC & IEEE	
	Plant-feeding transformers for industrial applications	Unit ratings: up to 1,300 MVA (3 phases) System voltages: up to 1,100 kV	IEC & IEEE	
	System-interconnecting transformer in high-voltage substations	Unit ratings: up to 1,300 MVA (3 phases) System voltages: up to 1,100 kV	IEC & IEEE	

Thank You

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