

Zero Liquid Discharge (ZLD) - Global Market Outlook (2020-2028)

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Abstracts

According to Statistics MRC, the Global Zero Liquid Discharge (ZLD) Market is accounted for \$0.83 billion in 2020 and is expected to reach \$2.27 billion by 2028 growing at a CAGR of 13.4% during the forecast period. Increased energy demand coupled with stringent regulations regarding wastewater discharge and growing global crisis of freshwater are the major factors propelling the market growth. However, high initial investment and requirement of custom design along with problematic handling of complex streams are hampering the market growth.

The zero liquid discharge is a wastewater treatment process and it's a combination of multiple processes including fractional electrode ionization, reverse osmosis, ultra-filtration, and evaporation & crystallization. Using zero liquid discharge process, recycling and purification of waste water is performed to significant extent. Approximately over 95% of water is reusable in nature when it is purified using zero liquid discharge method. Also, due evolution in the wastewater treatment process from past few years, this system has witnessed significant advancements in its functionalities and this has ultimately resulted into the availability of more reliable and efficient water treatment systems for different end user industries.

Based on technology, the membrane based segment is going to have a lucrative growth during the forecast period owing to the better efficiency in operation and preference given by the industry for their installation over thermal-based installations. The various techniques used in membrane-based installations are reverse osmosis, nano-filtration, electro dialysis, and natural evaporation.

By geography, Asia Pacific is going to have a lucrative growth during the forecast period due to the rapid industrialisations and urbanization in the developing economies such as

India, China, and others present in this region. Also, increasing population in this region is creating issues such as scarcity of water and such parameters are expected boost the demand for Zero Liquid Discharge in the Asia Pacific region.

Some of the key players profiled in the Zero Liquid Discharge (ZLD) Market include Aquarion Group, Aquatech, Austro Chemicals & Bio Technologies, Bionics Advanced Filtration Systems, Condorchem Envitech, Fluence Corporation Limited, GE Water & Process Technologies, GEA, Hydro Air Research, Lenntech, SafBon Water Technology, Samco Technologies, Inc, SUEZ, Toshiba Infrastructure Systems & Solutions Corporation, and Veolia Water Technologies.

Systems Covered:

Conventional

Hybrid Units

Processes Covered:

Pretreatment

Filtration

Evaporation & Crystallization

Technologies Covered:

Membrane Based

Thermal Based

End Users Covered:

Chemicals and Petrochemicals

Energy and Power

Food and Beverages

Pharmaceuticals

Textile

Mining & Metallurgy

Oil & Gas

Paper & Pulp

Tannery

Dye & Dye Intermediates

Semiconductors & Electronics

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025, and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Technology Analysis
- 3.7 End User Analysis
- 3.8 Emerging Markets
- 3.9 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL ZERO LIQUID DISCHARGE (ZLD) MARKET, BY SYSTEM

- 5.1 Introduction
- 5.2 Conventional
- 5.3 Hybrid Units

6 GLOBAL ZERO LIQUID DISCHARGE (ZLD) MARKET, BY PROCESS

- 6.1 Introduction
- 6.2 Pretreatment
- 6.3 Filtration
- 6.4 Evaporation & Crystallization

7 GLOBAL ZERO LIQUID DISCHARGE (ZLD) MARKET, BY TECHNOLOGY

- 7.1 Introduction
- 7.2 Membrane Based
- 7.3 Thermal Based

8 GLOBAL ZERO LIQUID DISCHARGE (ZLD) MARKET, BY END USER

- 8.1 Introduction
- 8.2 Chemicals and Petrochemicals
- 8.3 Energy and Power
- 8.4 Food and Beverages
- 8.5 Pharmaceuticals
- 8.6 Textile
- 8.7 Mining & Metallurgy
- 8.8 Oil & Gas
- 8.9 Paper & Pulp
- 8.10 Tannery
- 8.11 Dye & Dye Intermediates
- 8.12 Semiconductors & Electronics

9 GLOBAL ZERO LIQUID DISCHARGE (ZLD) MARKET, BY GEOGRAPHY

- 9.1 Introduction
- 9.2 North America
 - 9.2.1 US

- 9.2.2 Canada
- 9.2.3 Mexico
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.2 UK
 - 9.3.3 Italy
 - 9.3.4 France
 - 9.3.5 Spain
 - 9.3.6 Rest of Europe
- 9.4 Asia Pacific
 - 9.4.1 Japan
 - 9.4.2 China
 - 9.4.3 India
 - 9.4.4 Australia
 - 9.4.5 New Zealand
 - 9.4.6 South Korea
 - 9.4.7 Rest of Asia Pacific
- 9.5 South America
 - 9.5.1 Argentina
 - 9.5.2 Brazil
 - 9.5.3 Chile
 - 9.5.4 Rest of South America
- 9.6 Middle East & Africa
 - 9.6.1 Saudi Arabia
 - 9.6.2 UAE
 - 9.6.3 Qatar
 - 9.6.4 South Africa
 - 9.6.5 Rest of Middle East & Africa

10 KEY DEVELOPMENTS

- 10.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 10.2 Acquisitions & Mergers
- 10.3 New Product Launch
- 10.4 Expansions
- 10.5 Other Key Strategies

11 COMPANY PROFILING

- 11.1 Aquarion Group
- 11.2 Aquatech
- 11.3 Austro Chemicals & Bio Technologies
- 11.4 Bionics Advanced Filtration Systems
- 11.5 Condorchem Envitech
- 11.6 Fluence Corporation Limited
- 11.7 GE Water & Process Technologies
- 11.8 GEA
- 11.9 Hydro Air Research
- 11.10 Lenntech
- 11.11 SafBon Water Technology
- 11.12 Samco Technologies, Inc
- 11.13 SUEZ
- 11.14 Toshiba Infrastructure Systems & Solutions Corporation
- 11.15 Veolia Water Technologies

List Of Tables

LIST OF TABLES

Table 1 Global Zero Liquid Discharge (ZLD) Market Outlook, By Region (2019-2028) (\$MN)

Table 2 Global Zero Liquid Discharge (ZLD) Market Outlook, By System (2019-2028) (\$MN)

Table 3 Global Zero Liquid Discharge (ZLD) Market Outlook, By Conventional (2019-2028) (\$MN)

Table 4 Global Zero Liquid Discharge (ZLD) Market Outlook, By Hybrid Units (2019-2028) (\$MN)

Table 5 Global Zero Liquid Discharge (ZLD) Market Outlook, By Process (2019-2028) (\$MN)

Table 6 Global Zero Liquid Discharge (ZLD) Market Outlook, By Pretreatment (2019-2028) (\$MN)

Table 7 Global Zero Liquid Discharge (ZLD) Market Outlook, By Filtration (2019-2028) (\$MN)

Table 8 Global Zero Liquid Discharge (ZLD) Market Outlook, By Evaporation & Crystallization (2019-2028) (\$MN)

Table 9 Global Zero Liquid Discharge (ZLD) Market Outlook, By Technology (2019-2028) (\$MN)

Table 10 Global Zero Liquid Discharge (ZLD) Market Outlook, By Membrane Based (2019-2028) (\$MN)

Table 11 Global Zero Liquid Discharge (ZLD) Market Outlook, By Thermal Based (2019-2028) (\$MN)

Table 12 Global Zero Liquid Discharge (ZLD) Market Outlook, By End User (2019-2028) (\$MN)

Table 13 Global Zero Liquid Discharge (ZLD) Market Outlook, By Chemicals and Petrochemicals (2019-2028) (\$MN)

Table 14 Global Zero Liquid Discharge (ZLD) Market Outlook, By Energy and Power (2019-2028) (\$MN)

Table 15 Global Zero Liquid Discharge (ZLD) Market Outlook, By Food and Beverages (2019-2028) (\$MN)

Table 16 Global Zero Liquid Discharge (ZLD) Market Outlook, By Pharmaceuticals (2019-2028) (\$MN)

Table 17 Global Zero Liquid Discharge (ZLD) Market Outlook, By Textile (2019-2028) (\$MN)

Table 18 Global Zero Liquid Discharge (ZLD) Market Outlook, By Mining & Metallurgy

(2019-2028) (\$MN)

Table 19 Global Zero Liquid Discharge (ZLD) Market Outlook, By Oil & Gas

(2019-2028) (\$MN)

Table 20 Global Zero Liquid Discharge (ZLD) Market Outlook, By Paper & Pulp

(2019-2028) (\$MN)

Table 21 Global Zero Liquid Discharge (ZLD) Market Outlook, By Tannery (2019-2028)

(\$MN)

Table 22 Global Zero Liquid Discharge (ZLD) Market Outlook, By Dye & Dye

Intermediates (2019-2028) (\$MN)

Table 23 Global Zero Liquid Discharge (ZLD) Market Outlook, By Semiconductors &

Electronics (2019-2028) (\$MN)

Table 24 North America Zero Liquid Discharge (ZLD) Market Outlook, By Country

(2019-2028) (\$MN)

Table 25 North America Zero Liquid Discharge (ZLD) Market Outlook, By System

(2019-2028) (\$MN)

Table 26 North America Zero Liquid Discharge (ZLD) Market Outlook, By Conventional

(2019-2028) (\$MN)

Table 27 North America Zero Liquid Discharge (ZLD) Market Outlook, By Hybrid Units

(2019-2028) (\$MN)

Table 28 North America Zero Liquid Discharge (ZLD) Market Outlook, By Process

(2019-2028) (\$MN)

Table 29 North America Zero Liquid Discharge (ZLD) Market Outlook, By Pretreatment

(2019-2028) (\$MN)

Table 30 North America Zero Liquid Discharge (ZLD) Market Outlook, By Filtration

(2019-2028) (\$MN)

Table 31 North America Zero Liquid Discharge (ZLD) Market Outlook, By Evaporation &

Crystallization (2019-2028) (\$MN)

Table 32 North America Zero Liquid Discharge (ZLD) Market Outlook, By Technology

(2019-2028) (\$MN)

Table 33 North America Zero Liquid Discharge (ZLD) Market Outlook, By Membrane

Based (2019-2028) (\$MN)

Table 34 North America Zero Liquid Discharge (ZLD) Market Outlook, By Thermal

Based (2019-2028) (\$MN)

Table 35 North America Zero Liquid Discharge (ZLD) Market Outlook, By End User

(2019-2028) (\$MN)

Table 36 North America Zero Liquid Discharge (ZLD) Market Outlook, By Chemicals

and Petrochemicals (2019-2028) (\$MN)

Table 37 North America Zero Liquid Discharge (ZLD) Market Outlook, By Energy and

Power (2019-2028) (\$MN)

Table 38 North America Zero Liquid Discharge (ZLD) Market Outlook, By Food and Beverages (2019-2028) (\$MN)

Table 39 North America Zero Liquid Discharge (ZLD) Market Outlook, By Pharmaceuticals (2019-2028) (\$MN)

Table 40 North America Zero Liquid Discharge (ZLD) Market Outlook, By Textile (2019-2028) (\$MN)

Table 41 North America Zero Liquid Discharge (ZLD) Market Outlook, By Mining & Metallurgy (2019-2028) (\$MN)

Table 42 North America Zero Liquid Discharge (ZLD) Market Outlook, By Oil & Gas (2019-2028) (\$MN)

Table 43 North America Zero Liquid Discharge (ZLD) Market Outlook, By Paper & Pulp (2019-2028) (\$MN)

Table 44 North America Zero Liquid Discharge (ZLD) Market Outlook, By Tannery (2019-2028) (\$MN)

Table 45 North America Zero Liquid Discharge (ZLD) Market Outlook, By Dye & Dye Intermediates (2019-2028) (\$MN)

Table 46 North America Zero Liquid Discharge (ZLD) Market Outlook, By Semiconductors & Electronics (2019-2028) (\$MN)

Table 47 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Country (2019-2028) (\$MN)

Table 48 Europe Zero Liquid Discharge (ZLD) Market Outlook, By System (2019-2028) (\$MN)

Table 49 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Conventional (2019-2028) (\$MN)

Table 50 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Hybrid Units (2019-2028) (\$MN)

Table 51 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Process (2019-2028) (\$MN)

Table 52 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Pretreatment (2019-2028) (\$MN)

Table 53 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Filtration (2019-2028) (\$MN)

Table 54 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Evaporation & Crystallization (2019-2028) (\$MN)

Table 55 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Technology (2019-2028) (\$MN)

Table 56 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Membrane Based (2019-2028) (\$MN)

Table 57 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Thermal Based

(2019-2028) (\$MN)

Table 58 Europe Zero Liquid Discharge (ZLD) Market Outlook, By End User

(2019-2028) (\$MN)

Table 59 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Chemicals and Petrochemicals (2019-2028) (\$MN)

Table 60 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Energy and Power (2019-2028) (\$MN)

Table 61 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Food and Beverages (2019-2028) (\$MN)

Table 62 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Pharmaceuticals (2019-2028) (\$MN)

Table 63 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Textile (2019-2028) (\$MN)

Table 64 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Mining & Metallurgy (2019-2028) (\$MN)

Table 65 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Oil & Gas (2019-2028) (\$MN)

Table 66 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Paper & Pulp (2019-2028) (\$MN)

Table 67 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Tannery (2019-2028) (\$MN)

Table 68 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Dye & Dye Intermediates (2019-2028) (\$MN)

Table 69 Europe Zero Liquid Discharge (ZLD) Market Outlook, By Semiconductors & Electronics (2019-2028) (\$MN)

Table 70 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Country (2019-2028) (\$MN)

Table 71 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By System (2019-2028) (\$MN)

Table 72 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Conventional (2019-2028) (\$MN)

Table 73 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Hybrid Units (2019-2028) (\$MN)

Table 74 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Process (2019-2028) (\$MN)

Table 75 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Pretreatment (2019-2028) (\$MN)

Table 76 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Filtration (2019-2028) (\$MN)

Table 77 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Evaporation & Crystallization (2019-2028) (\$MN)

Table 78 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Technology (2019-2028) (\$MN)

Table 79 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Membrane Based (2019-2028) (\$MN)

Table 80 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Thermal Based (2019-2028) (\$MN)

Table 81 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By End User (2019-2028) (\$MN)

Table 82 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Chemicals and Petrochemicals (2019-2028) (\$MN)

Table 83 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Energy and Power (2019-2028) (\$MN)

Table 84 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Food and Beverages (2019-2028) (\$MN)

Table 85 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Pharmaceuticals (2019-2028) (\$MN)

Table 86 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Textile (2019-2028) (\$MN)

Table 87 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Mining & Metallurgy (2019-2028) (\$MN)

Table 88 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Oil & Gas (2019-2028) (\$MN)

Table 89 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Paper & Pulp (2019-2028) (\$MN)

Table 90 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Tannery (2019-2028) (\$MN)

Table 91 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Dye & Dye Intermediates (2019-2028) (\$MN)

Table 92 Asia Pacific Zero Liquid Discharge (ZLD) Market Outlook, By Semiconductors & Electronics (2019-2028) (\$MN)

Table 93 South America Zero Liquid Discharge (ZLD) Market Outlook, By Country (2019-2028) (\$MN)

Table 94 South America Zero Liquid Discharge (ZLD) Market Outlook, By System (2019-2028) (\$MN)

Table 95 South America Zero Liquid Discharge (ZLD) Market Outlook, By Conventional (2019-2028) (\$MN)

Table 96 South America Zero Liquid Discharge (ZLD) Market Outlook, By Hybrid Units

(2019-2028) (\$MN)

Table 97 South America Zero Liquid Discharge (ZLD) Market Outlook, By Process

(2019-2028) (\$MN)

Table 98 South America Zero Liquid Discharge (ZLD) Market Outlook, By Pretreatment

(2019-2028) (\$MN)

Table 99 South America Zero Liquid Discharge (ZLD) Market Outlook, By Filtration

(2019-2028) (\$MN)

Table 100 South America Zero Liquid Discharge (ZLD) Market Outlook, By Evaporation & Crystallization (2019-2028) (\$MN)

Table 101 South America Zero Liquid Discharge (ZLD) Market Outlook, By Technology (2019-2028) (\$MN)

Table 102 South America Zero Liquid Discharge (ZLD) Market Outlook, By Membrane Based (2019-2028) (\$MN)

Table 103 South America Zero Liquid Discharge (ZLD) Market Outlook, By Thermal Based (2019-2028) (\$MN)

Table 104 South America Zero Liquid Discharge (ZLD) Market Outlook, By End User (2019-2028) (\$MN)

Table 105 South America Zero Liquid Discharge (ZLD) Market Outlook, By Chemicals and Petrochemicals (2019-2028) (\$MN)

Table 106 South America Zero Liquid Discharge (ZLD) Market Outlook, By Energy and Power (2019-2028) (\$MN)

Table 107 South America Zero Liquid Discharge (ZLD) Market Outlook, By Food and Beverages (2019-2028) (\$MN)

Table 108 South America Zero Liquid Discharge (ZLD) Market Outlook, By Pharmaceuticals (2019-2028) (\$MN)

Table 109 South America Zero Liquid Discharge (ZLD) Market Outlook, By Textile (2019-2028) (\$MN)

Table 110 South America Zero Liquid Discharge (ZLD) Market Outlook, By Mining & Metallurgy (2019-2028) (\$MN)

Table 111 South America Zero Liquid Discharge (ZLD) Market Outlook, By Oil & Gas (2019-2028) (\$MN)

Table 112 South America Zero Liquid Discharge (ZLD) Market Outlook, By Paper & Pulp (2019-2028) (\$MN)

Table 113 South America Zero Liquid Discharge (ZLD) Market Outlook, By Tannery (2019-2028) (\$MN)

Table 114 South America Zero Liquid Discharge (ZLD) Market Outlook, By Dye & Dye Intermediates (2019-2028) (\$MN)

Table 115 South America Zero Liquid Discharge (ZLD) Market Outlook, By Semiconductors & Electronics (2019-2028) (\$MN)

Table 116 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Country (2019-2028) (\$MN)

Table 117 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By System (2019-2028) (\$MN)

Table 118 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Conventional (2019-2028) (\$MN)

Table 119 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Hybrid Units (2019-2028) (\$MN)

Table 120 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Process (2019-2028) (\$MN)

Table 121 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Pretreatment (2019-2028) (\$MN)

Table 122 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Filtration (2019-2028) (\$MN)

Table 123 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Evaporation & Crystallization (2019-2028) (\$MN)

Table 124 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Technology (2019-2028) (\$MN)

Table 125 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Membrane Based (2019-2028) (\$MN)

Table 126 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Thermal Based (2019-2028) (\$MN)

Table 127 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By End User (2019-2028) (\$MN)

Table 128 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Chemicals and Petrochemicals (2019-2028) (\$MN)

Table 129 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Energy and Power (2019-2028) (\$MN)

Table 130 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Food and Beverages (2019-2028) (\$MN)

Table 131 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Pharmaceuticals (2019-2028) (\$MN)

Table 132 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Textile (2019-2028) (\$MN)

Table 133 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Mining & Metallurgy (2019-2028) (\$MN)

Table 134 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Oil & Gas (2019-2028) (\$MN)

Table 135 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Paper

& Pulp (2019-2028) (\$MN)

Table 136 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Tannery (2019-2028) (\$MN)

Table 137 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Dye & Dye Intermediates (2019-2028) (\$MN)

Table 138 Middle East & Africa Zero Liquid Discharge (ZLD) Market Outlook, By Semiconductors & Electronics (2019-2028) (\$MN)

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