Shell & Tube Heat Exchanger Market by Application (Chemicals, Petrochemicals and Oil & Gas, HVACR, Food & Beverages, Pulp & Paper, Power Generation) and Region - Global Forecast to 2020

Description:

“Increasing investment in chemicals, petrochemicals and oil & gas, and HVAC industries is a prime factor for the growth of shell & tube heat exchangers market”

The global shell & tube heat exchangers market size (2015–2020) is estimated to reach USD 7.05 billion by 2020 at a CAGR of 4.98%. Growth in chemicals industry is one of the major factors for the growth of shell & tube heat exchangers market. Shell & tube heat exchangers have the following properties: high efficiency and heat transfer capacity, low pressure drops, ease of repair, abrasive wear protection that diminishes the erosion, price advantage, and excellent drainage properties. These unique properties makes it a valuable heat exchanger for various applications and drives the growth of shell & tube heat exchangers market.

“Chemicals is the largest application of shell & tube heat exchangers”

Shell & tube heat exchangers are used in various applications such as chemicals, petrochemicals and oil & gas, HVAC & refrigeration, food & beverages, power generation, pulp & paper and others. In 2015, the chemicals segment accounted for the largest market share among all the applications, in terms of value, followed by petrochemicals and oil & gas, HVAC & refrigeration, and power generation. Among all the applications, chemicals is estimated to register the highest CAGR between 2015 and 2020.

“Rising demand from Europe is the major driver for shell & tube heat exchangers market”

In 2015, Europe is estimated to account for the largest market share, in terms of value, and is estimated to remain the market leader in next 5 years. High purity standards and stringent environmental regulations and surging energy demand in this region drive the shell & tube heat exchangers market on a very large scale. Germany led the demand for shell & tube heat exchangers due to increased demand for chemicals in the last 2–3 years. Other emerging economies, such as India and Brazil are the markets which are projected to grow rapidly.

In the process of determining and verifying the market size for several segments and sub-segments gathered through secondary research, extensive primary interviews were conducted. The break-up of primary interviews is given below.
- By Company Type - Tier 1 - 37 %, Tier 2 – 50 % and Others - 13 %
- By Designation - C level - 50%, Director level - 31%, Others - 19%
- By Region - North America - 38%, Europe - 36%, Asia-Pacific - 25%, RoW – 6%

The key companies profiled in this market research report are Alfa Laval AB (Sweden), HRS Heat Exchangers (U.K.), Standard Xchange (U.S.), SPX Corporation (U.S.), Kelvion Holdings GmbH (Germany), Southern Heat Exchanger Corporation (U.S.), Manning and Lewis (U.S.), Koch Heat Transfer Company (U.S.), Hughes Anderson Heat Exchangers Inc. (U.S.), and API Heat Transfer Inc. (U.S.)

The report will help the market leaders/new entrants in this market in the following ways:

1. This report segments the shell & tube heat exchangers market comprehensively and provides the closest approximations of the revenue numbers for the overall market and the sub-segments across the different verticals and regions.

2. The report helps stakeholders to understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

3. This report will help stakeholders to understand the competitors and gain more insights to better their position in the business. The competitive landscape section includes new product developments, partnerships, and mergers & acquisitions.

Contents: 1 Introduction
1.1 Objectives of the Study
1.2 Market Definition
1.3 Market Scope
  1.3.1 Markets Covered
  1.3.2 Years Considered for the Study
  1.3.3 Currency
1.4 Stakeholders

2 Research Methodology
2.1 Research Data
  2.1.1 Secondary Data
    2.1.1.1 Key Data From Secondary Sources
  2.1.2 Primary Data
    2.1.2.1 Key Data From Primary Sources
    2.1.2.2 Breakdown of Primary Interviews
2.2 Market Size Estimation
  2.2.1 Bottom-Up Approach
  2.2.2 Top-Down Approach
2.3 Market Breakdown and Data Triangulation
  2.3.1 Assumptions
  2.3.2 Limitations

3 Executive Summary

4 Premium Insights
  4.1 Attractive Opportunities
  4.2 Shell & Tube Heat Exchangers Market
  4.3 Market in Asia-Pacific, 2014
  4.4 Leading Countries in Shell & Tube Heat Exchanger Market, 2014
  4.5 Market Size, By Leading Countries, 2015-2020 (USD Million)
  4.6 Market, By Application (2014)
  4.7 Lifecycle Analysis, By Region

5 Market Overview
  5.1 Introduction
  5.2 Market Dynamics
    5.2.1 Drivers
      5.2.1.1 Surging Energy Prices
      5.2.1.2 Increased Investments in Chemicals, Petrochemicals and Oil & Gas, and Hvac Industries
      5.2.1.3 Wide Operating Pressure and Temperature Range
      5.2.1.4 Stringent Environmental Regulations Driving the Demand of Shell & Tube Heat Exchangers
    5.2.2 Restraints
      5.2.2.1 Increasing Cost of Production
    5.2.3 Opportunities
      5.2.3.1 Expanding Heat Exchangers Manufacturing Business in Developing Economies
      5.2.3.2 Large Aftermarket for Shell & Tube Heat Exchangers
    5.2.4 Challenges
      5.2.4.1 Rapidly Growing Market of Compact Heat Exchangers
  5.3 Burning Issues
    5.3.1 Fouling in Heat Exchangers

6 Industry Trends
  6.1 Introduction
  6.2 Value Chain Analysis
  6.3 Porter's Five Forces Analysis
    6.3.1 Bargaining Power of Suppliers
    6.3.2 Bargaining Power of Buyers
    6.3.3 Threat of Substitutes
    6.3.4 Threat of New Entrants
    6.3.5 Degree of Competition
  6.4 Raw Materials Used in Manufacturing Shell & Tube Heat Exchangers
  6.5 Regulatory Framework
    6.5.1 Standards
6.5.2 Codes

7 Shell & Tube Heat Exchangers Market, By Application
7.1 Introduction
7.2 Chemicals
7.3 Petrochemicals and Oil & Gas
7.4 Hvac & Refrigeration
7.5 Food & Beverages
7.6 Pulp & Paper
7.7 Power Generation

8 Market, By Region
8.1 Introduction
8.2 Asia-Pacific
  8.2.1 China
  8.2.2 Japan
  8.2.3 India
8.3 North America
  8.3.1 U.S.
  8.3.2 Canada
8.4 Europe
  8.4.1 Germany
  8.4.2 France
  8.4.3 U.K.
  8.4.4 Italy
  8.4.5 Sweden
8.5 RoW
  8.5.1 Middle East
    8.5.1.1 Saudi Arabia
  8.5.2 Latin America
    8.5.2.1 Brazil

9 Competitive Landscape
9.1 Overview
9.2 Competitive Situations and Trends
9.4 Agreements, Contracts, and Expansions
9.5 New Product Launches
9.6 Mergers & Acquisitions

10 Company Profile
(Overview, Financial*, Products & Services, Strategy, and Developments)
10.1 Introduction
10.2 Alfa Laval AB
10.3 Hrs Heat Exchangers Ltd.
10.4 Kelvion Holdings GmbH
10.5 SPX Corp.
10.6 Standard Xchange
10.7 API Heat Transfer Inc.
10.8 Brask Inc.
10.9 Hughes Anderson Heat Exchangers Inc.
10.10 Koch Heat Transfer Co.
10.11 Southern Heat Exchanger Corp. (SHECO)
10.12 Manning and Lewis

*Details Might Not Be Captured in Case of Unlisted Companies.

11 Appendix
11.1 Insights From Industry Experts Consultant
11.2 Developments
11.3 Discussion Guide
11.4 Introducing RT: Real Time Market Intelligence
11.5 Available Customizations
11.6 Related Reports

List of Tables

Table 1 Shell & Tube Heat Exchanger Market Size, By Region, 2013 - 2020 (USD Million)
Table 2 Market Size, By Application, 2013 - 2020 (USD Million)
Table 3 Heat Exchanger: International Design Codes Used for Mechanical Design
Table 4 Market Size, By Application, 2013-2020 (USD Million)
Table 5 Market Size in Chemicals Application, By Region, 2013 - 2020 (USD Million)
Table 6 Market Size in Petrochemicals and Oil & Gas Application, By Region, 2013 - 2020 (USD Million)
Table 7 Market Size in HVAC & Refrigeration Application, By Region, 2013 - 2020 (USD Million)
Table 8 Market Size in Food & Beverages Application, By Region, 2013 - 2020 (USD Million)
Table 9 Market Size in Pulp & Paper Application, By Region, 2013 - 2020 (USD Million)
Table 10 Market Size in Power Generation Application, By Region, 2013 - 2020 (USD Million)
Table 11 Shell & Tube Heat Exchanger Market Size, By Region, 2013 - 2020 (USD Million)
Table 12 Asia-Pacific: Market Size, By Country, 2013-2020 (USD Million)
Table 13 Asia-Pacific: Market Size, By Application, 2013-2020 (USD Million)
Table 14 China: Market Size, By Application, 2013-2020 (USD Million)
Table 15 Japan: Market Size, By Application, 2013-2020 (USD Million)
Table 16 India: Market Size, By Application, 2013-2020 (USD Million)
Table 17 North America: Market Size, By Country, 2013-2020 (USD Million)
Table 18 North America: Shell & Tube Heat Exchangers Market Size, By Application, 2013-2020 (USD Million)
Table 19 U.S.: Market Size, By Application, 2013 - 2020 (USD Million)
Table 20 Canada: Market Size, By Application, 2013-2020 (USD Million)
Table 21 Europe: Market Size, By Country, 2013-2020 (USD Million)
Table 22 Europe: Market Size, By Application, 2013-2020 (USD Million)
Table 23 Germany: Market Size, By Application, 2013-2020 (USD Million)
Table 24 France: Market Size, By Application, 2013-2020 (USD Million)
Table 25 U.K.: Market Size, By Application, 2013-2020 (USD Million)
Table 26 Italy: Market Size, By Application, 2013-2020 (USD Million)
Table 27 Sweden: Market Size, By Application, 2013-2020 (USD Million)
Table 28 RoW: Market Size, By Country, 2013-2020 (USD Million)
Table 29 RoW: Shell & Tube Heat Exchanger Market Size, By Application, 2013-2020 (USD Million)
Table 30 Middle East: Market Size, By Country, 2013-2020 (USD Million)
Table 31 Saudi Arabia: Market Size, By Application, 2013-2020 (USD Million)
Table 32 Latin America: Market Size, By Country, 2013-2020 (USD Million)
Table 33 Brazil: Market Size, By Application, 2013-2020 (USD Million)
Table 34 Agreements, Contracts, and Expansions 2011 - 2015
Table 35 New Product Launches and Mergers, 2011 - 2015
Table 36 Mergers & Acquisitions, 2011 - 2015

List of Figures

Figure 1 Shell & Tube Heat Exchanger Market Segmentation
Figure 2 Years Considered for Shell & Tube Heat Exchangers Market
Figure 3 Shell & Tube Heat Exchangers Market: Research Design
Figure 4 Breakdown of Primary Interviews
Figure 5 Market Size Estimation Methodology: Bottom-Up Approach
Figure 6 Market Size Estimation Methodology: Top-Down Approach
Figure 7 Data Triangulation: Shell & Tube Heat Exchangers Market
Figure 8 Chemicals is the Largest Segment By Application in Shell & Tube Heat Exchanger Market (2015)
Figure 9 Europe is Expected to Dominate the Shell & Tube Heat Exchangers Market During the Forecast Period
Figure 10 Market Size, By Country, 2014 (USD Million)
Figure 11 Market Share (Value), By Region, 2014
Figure 12 Market is Estimated to Witness Highest Growth Between 2015 and 2020
Figure 13 Chemicals is Expected to Be the Fastest-Growing Application Between 2015 and 2020
Figure 14 China to Be the Largest Market in Asia-Pacific
Figure 15 China, Germany, and the U.S.: Key Revenue Contributors of Shell & Tube Heat Exchanger Market, 2014
Figure 16 Brazil is the Fastest-Growing Market, 2015-2020
Figure 17 Chemicals Application Dominates the Shell & Tube Heat Exchangers Market
Figure 18 The Shell & Tube Heat Exchangers Market in Asia-Pacific is in the Growth Phase
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Shell & Tube Heat Exchanger Market by Application (Chemicals, Petrochemicals and Oil & Gas, HVACR, Food & Beverages, Pulp & Paper, Power Generation) and Region - Global Forecast to 2020
Web Address: http://www.researchandmarkets.com/reports/3614930/
Office Code: SCBRFYKP

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 5650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License:</td>
<td>USD 8150</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: _______________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World