

# **Global Boiler Control Market Size study & Forecast, by boiler type (Water Tube Boiler, Fire Tube Boiler), By Control Type (On/Off Control, Modulating Control), Component (software, hardware), End-users (Industrial, Commercial) and Regional Analysis, 2022-2029**

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## **Abstracts**

Global Boiler Control Market is valued approximately USD XXX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2029. A closed vessel called a boiler used to convert liquid, primarily water, into steam. a boiler control system that is built into traditional boilers and optimizes process efficiency. The majority of industrial boilers use boiler control systems because boiling requires a significant amount of energy. It has several benefits, including reducing the cost of the process cycle, enhancing turn-down ratios, and more effectively controlling energy. It also has a significant impact on improving a boiler's safety features like humidity management, pressure control, and steam temperature regulation. Hardware and software components, including actuators, controllers, sensors, valves, pump, and other software-controlled systems, make up the boiler control. The key factor driving the market growth is growing demand for automation to optimize the performance of the boiler and growing emphasis on efficiency and cost of production that anticipated to create the lucrative demand for the market growth during forecast period.

Also, the rising research & development and innovation by market players is anticipated to support the market growth. For instance, in 2022, The manufacturer of industrial process heating equipment and solutions Babcock Wanson has introduced two new electric boiler lines: the e-Pack industrial electric boiler, with models ranging from 500 to

17,000 KG/H, and the VAP EL 400V three-phase, 50Hz electric steam boiler, with models ranging from 16 to 360 kW. VAP EL and e-Pack used electrical energy to heat processes by boiling water and producing steam, like all electric steam boilers. However, unlike many others, they are set up for high efficiency close to 100% with minimal standing losses. The boilers respond well to changes in load and start up quickly on demand, making them perfect for sites with inconsistent grid supply. Based on the boiler's capacity, steam can be generated in a matter of minutes. Furthermore, implementation of AI for improving efficiency of boiler is expected to create lucrative growth prospects of the Boiler Control market across the globe. However, high cost associated upgrading aging power plants acts as a key restraint for the market during the forecast period 2022-2029.

The key regions considered for the Global Boiler Control Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the dominating region across the world in terms of market share, owing to the growth in the energy and power sector due to the expansion of manufacturing industries, investment in oil and gas projects, and increasing demand for energy. Whereas, Asia Pacific is also anticipated to exhibit highest growth rate over the forecast period, owing to the rising investment in power generation, focus towards optimizing energy use coupled with rising urbanization and untapped opportunities in countries such as India, China, Australia and Japan would create lucrative growth prospects for the Boiler Control market across Asia Pacific region.

Major market player included in this report are:

ABB

Siemens

Emerson

Yokogawa

Schneider

Honeywell International

Cleaver-Brooks

Spirax Sarco

HBX Control Systems

Burnham Commercial

Micromod Automation

Weil-Mclain

Recent Developments in the Market:

In Sept. 2019, Babcock & Wilcox company received contract worth USD 12 million to

upgrade a recovery boiler for a US manufacturing site. A steam drum, burner, superheater, generating bank, air system, evaporator, and other parts for the plant's recovery boiler are included in the project's scope.

Global Boiler Control Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Boiler Type, Control Type, Component, End-User, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Boiler Type

Water Tube Boiler

Fire Tube Boiler

By Control Type

On/Off Control

Modulating Control

By Component

Hardware

Software

By End-User

Industrial  
Commercial

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Rest of the World

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