

Distributed Control Systems (DCS) Market Analysis By Product (Hardware, Software and Services), By End-Use Industry (Chemical, Metal and Mining, Oil and Gas, Pharmaceutical, Power, Pulp and Paper, Water and Waste Water Treatment Industry) And Segment Forecasts To 2020

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Abstracts

The global Distribution Control Systems (DCS) market is expected to reach USD 20.39 billion by 2020. Increased DCS use in industrial applications such as power generation, water and waste water, pharmaceuticals, oil and gas, chemicals, and paper and pulp is expected to drive the market over the forecast period. Growing demand for power has resulted in the set up of new power generation stations and upgradation of existing ones by various governments, which is expected to favorably impact DCS demand.

Cost effectiveness, development of open source DCS and ability of implementation in hazardous environments are further expected to boost market growth. Need for technical expertise and lack of differentiation among specific DCS products are expected to pose a challenge for industry participants over the next six years.

Further key findings from the study suggest:

DCS software dominated the global market and accounted for over 60% of the overall market share in 2013. This is primarily due to need for system upgradation by existing distributed control systems. DCS hardware is expected to witness the fastest growth over the forecast period due to increased Greenfield projects in Asia Pacific.

Oil and gas was the largest end-use industry in 2013 and accounted for over 24% of the

overall market share due to increased demand for technologically advanced systems for controlling and monitoring activities, enabling higher production. The use of DCS in the power industry is expected to witness significant growth over the forecast period.

Asia Pacific is expected to be the market leader over the next six years, and contributed 31.5% to the global market revenue in 2013. It is further expected to grow at a CAGR of 4.2% from 2014 to 2020, mainly on account of increased demand for small distributed control systems due to price sensitivity among consumers in the region.

Companies operating in the market include ABB Ltd, Siemens AG, Bharat Heavy Electrical Ltd, Rockwell Automation Inc., GE Electric, Honeywell International Inc, Emerson Electric Co., Toshiba International Corp. and Invensys Plc.

For the purpose of this study, Grand View Research has segmented the global distributed control systems market on the basis of product, end-use industry and region:

Distribution Control Systems Product Outlook (Revenue, 2012 – 2020)

Hardware

Software

Services

Distribution Control Systems End-Use Industry Outlook (Revenue, 2012 – 2020)

Chemical

Metal and Mining

Oil and Gas

Pharmaceutical

Power

Pulp and Paper

Water and Waste Water Treatment

Others

Distribution Control Systems Regional Outlook (Revenue, 2012 – 2020)

North America

Europe

Asia Pacific

RoW

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