INCORPORATING HOME-BASED SERVICES

This market research report explores India’s distributed control systems (DCS) market. It registered a huge dip in 2018, with many automation suppliers reporting a decrease in their sales.

Electric power generation is one of the largest consumers of DCSs and will continue to have a big impact on India’s DCS market. In electric power generation, the industry is experiencing a general shift away from conventional coal-fired generation toward renewables and combined-cycle gas-fired plants. Many of the aging coal plants with a total installed capacity amounting to about 56 GW are planned to be retired in a phased manner. Renewable generating plants, such as solar and wind farms, are more modular in nature and do not require the traditional DCS’s found in central station power generation.

End users, especially in the offshore oil & gas industry, are operating processes located at great distances from support resources. Remote personnel need a complete but non-intrusive view of operations along with situational awareness. Much of this view could be provided by the DCS and applications normally hosted on the DCS. Within the DCS-related market, ARC believes that remote operations management will drive improvements in HMI flexibility, alarm management and presentation, location independence, and scalability for a variety of operational applications. Some DCS suppliers have developed offerings dedicated largely to remote monitoring, operations, and/or analysis.

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Well-planned strategies are invaluable for DCS suppliers to strengthen and expand their market foothold. Some key strategic questions answered in the study include:

- What technology and business trends are driving the DCS market?
- What is the impact of cloud computing, virtualization, and remote operations management on DCS?
- What type of capabilities are suppliers incorporating in the DCS solutions to support the Industrial Internet of Things?
- What steps are suppliers taking to address the cybersecurity threat?

RESEARCH FOCUS AREAS

- Market Shares by Hardware Type
  - Controllers
  - I/O Hardware
  - Workstations
  - Networking Hardware
- Market Shares by System Size
  - Small
  - Medium
  - Large
- Shipments by Hardware Type
  - Controllers
  - I/O Hardware
  - Workstations
  - Networking Hardware
- Shipments by Application
  - Continuous
  - Batch
  - SCADA
  - QCS
- Shipments by Project Type
  - Small
  - Medium
  - Large
- Shipments by Plant Size
  - Small
  - Medium
  - Large

INDUSTRY PARTICIPANTS

The research identifies all relevant suppliers serving this market.