

Global Electronic Propulsion Control System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Electronic Propulsion Control System market size was valued at US\$ 159 million in 2025 and is forecast to a readjusted size of US\$ 248 million by 2032 with a CAGR of 6.5% during review period.

In 2025, the number of new Electronic Propulsion Control Systems installed in global new shipbuilding and major conversion projects was approximately 9,470 units. Based on the number of propulsion control systems per ship, the average price per system was approximately USD 16,400, with a gross profit margin of approximately 24%–32%. A typical system structure includes a bridge propulsion control console (including single/dual control handles, mode selection and emergency stop buttons), an engine room propulsion control unit (including PLC or dedicated controller, redundant power supply, I/O modules), actuator modules connected to the main engine/gearbox/ CPP or electric propulsion inverter, propulsion system sensors (speed, torque, oil pressure, oil temperature, pitch feedback), communication networks (CAN, redundant Ethernet, serial bus), and alarm/event logging software. In terms of parameters, a typical system supports 1–4 main propulsion units (main engine + gearbox + propeller or motor + gearbox + propeller). Control modes include in-port/offshore/DP/towing/emergency modes. Communication interfaces support MODBUS, CAN, NMEA 2000, redundant Ethernet, etc. The system is designed for an ambient temperature of -15 to +55 °C, and its vibration resistance meets the requirements of classification societies. Power supplies are mostly 24 V DC + 230/400 V AC with redundancy. In terms of typical usage, a small offshore workboat/tugboat is usually equipped with one electronic propulsion control system; a PSV/OSV with twin engines, twin propellers, and bow thrusters is usually equipped with one integrated propulsion control system + DP interface; medium and large bulk carriers, tankers, and container ships are mostly

equipped with one main propulsion control system + shut-off box/emergency control device; and offshore engineering vessels, ferries, and high-end yachts often have their original mechanical or hybrid control systems converted to fully electronic propulsion control systems during retrofitting/upgrading.

This report is a detailed and comprehensive analysis for global Electronic Propulsion Control System market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Touchscreen Size and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Electronic Propulsion Control System market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Electronic Propulsion Control System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Electronic Propulsion Control System market size and forecasts, by Touchscreen Size and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Electronic Propulsion Control System market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Electronic Propulsion Control System
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Electronic Propulsion Control System market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments.

Key companies covered as a part of this study include Wartsila, Kongsberg, Everllence, Berg Propulsion, Noris Group, SCHOTTEL, Sturdy Corporation, RH Marine, Praxis Automation Technology, ABB, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Electronic Propulsion Control System market is split by Touchscreen Size and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Touchscreen Size, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Touchscreen Size

2.5"

5.7"

8"

Others

Market segment by Main Engine Power

10 MW

Market segment by Thrust Response Time

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