Dynamic Positioning
NACOS Platinum Series
The Platinum DP offers the latest generation ship control system. Using over 25 years of experience supplying DP systems, we combine industry-leading software with commercially-available hardware components for a simple, robust, and reliable system. Platinum DP systems satisfy the most demanding requirements in the offshore community. Completely redesigned, the Platinum DP user interface represents a leap forward in intuitive ship controls. After working with ergonomics experts, DP captains, and ship controls experts, a simple, understandable UI was created. Offering full touch operation to engage the user for safer and more efficient operation, L-3 DP&CS leads the way in connecting the operator with the control system. Buttons are sized and located for actual touch operation similar to the familiar electronics in virtually every household. The User Centered Design offers easy learning for both experienced operators and novices new to ship controls. Only the information necessary and required is presented, preventing confusion during critical operations. Simple page tabs allow access to more detailed parameters when necessary. Consistent interface design for the complete Platinum series ensures consistent operating principles across the bridge for fully integrated ship controls. Common components complete the integration of the Platinum DP with other NACOS Platinum series systems such as automation, power management, and navigation and conning, for a truly integrated ship control package.

Benefits:
- Improved user interface shortens training cycles; reduces transition time from other systems
- DP system fully integrates with all Platinum products including automation, navigation/conning, power management, and thruster control
- Reduced lifecycle costs due to common components across all Platinum products
- “Off-the-Shelf” components provide wider availability and reduced support costs
- “Green” modes to improve fuel efficiency and reduce machinery wear
- Cost effective remote diagnostics with available interfaces to multiple vessel systems

Applications:
- OSV / AHTS / MPSV
  » Workhorses of the offshore community
- Offshore Specialty Vessels
  » Wind Farm Installation
  » Heavy Lift
  » Cable/Pipe Lay
  » Jack-ups
- Cruise Ships / Yachts
  » Passenger vessels with unique needs
- Other Vessel Types
  » Bulk Carriers
  » Government / Military applications
  » Research Vessels
Features:

- Suitable for all DP levels including Class 3
- User Centered Design – Common across Platinum products
- Common HW/SW components
- Networked and highly scalable architecture

• Custom operating modes available including:
  » Jack-up Compensation
  » Cable/Pipe Lay
  » Heavy Lift
• Flexible installation - Available as component- or console-based

Architecture

Platinum DP systems can be configured to meet any class from simple joystick systems to fully redundant Class 3 systems. Each control network is configured as a “star” to provide robust and reliable systems. For Class 2 and Class 3 systems, dual networks are provided to meet the added failure criteria according to IMO MSC/Circ. 645 “Guidelines for Vessels with Dynamic Positioning Systems.” When required, a system-specific FMEA is carried out for the DP system to fully verify its performance at critical times. Suitable reference sensor interfaces are provided to meet the Class level required and isolated interfaces for the propulsion are provided ensuring a complete system.

Integration with NACOS Platinum Products

By sharing hardware and software, the Platinum DP can easily integrate with any of the NACOS Platinum series of products. This can include navigation, ECDIS, conning, automation, and power management systems. Fully integrated bridge configurations are possible using multifunction displays (MFD’s) for convenient access to any system via each enabled workstation.
With over 25 years in the industry, L-3 Dynamic Positioning & Control Systems (L-3 DP&CS) specializes in the design, development, manufacture, and supply of state-of-the-art vessel maneuvering, navigation, and control systems for offshore, commercial, and military markets around the globe. Our vision is to become the world leader in Dynamic Positioning (DP) Control and Automation Systems by providing innovative, quality-driven design solutions; the highest level of integrity; total customer satisfaction; and superior service and support.

L-3 DP&CS’ products are suitable for any maritime platform – from luxury yachts to windfarm jack-up vessels to specialized naval applications. Supplied in a variety of configurations, our systems are designed to satisfy each customer’s requirements and growth expectations. With systems supplied for both commercial and military applications, L-3 DP&CS has the experience to meet any maritime challenge.

The Platinum DP is part of a complete family of products supported by L-3 offices around the world. With offices in 17 countries, including major offshore markets, L-3 provides true front line support. Being involved in offshore from the very beginnings, L-3 understands the needs of the offshore customer and has built a network to meet those critical demands.

L-3 DP systems have achieved classification under the world’s best known regulatory bodies including:

- American Bureau of Shipping (ABS)
- Det Norske Veritas (DNV)
- Bureau Veritas (BV)
- China Classification Society (CCS)
- Germanisher Lloyds (GL)
- Lloyd’s Register of Shipping (LRS)

Thorough engineering and testing assures our systems meet or exceed the regulatory requirements for their designed class.

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