



comex



DP Cx

A new vision of Dynamic Positioning

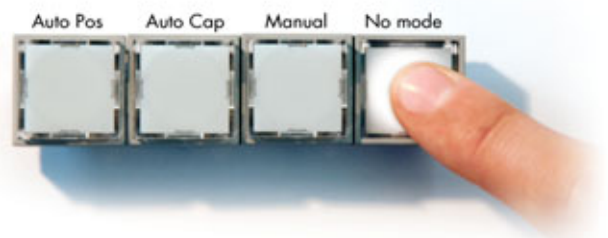
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□ Easier to use

▶ Push and stay

COMEX focused on a simplification of the user interface. Training durations are reduced and non specialized people can operate the system.

Once the vessel is on the target position, there is only one button to press. The DPCX system takes over.



□ Cost effective

Utilising a majority of readily available standard components, which are easily supplied at lower cost.

No requirement to modify vessel sensors or motor units.

Can be operated via a simple double antenna DGPS (position and heading).

□ Easier to install

▶ Based on your vessel's specifications

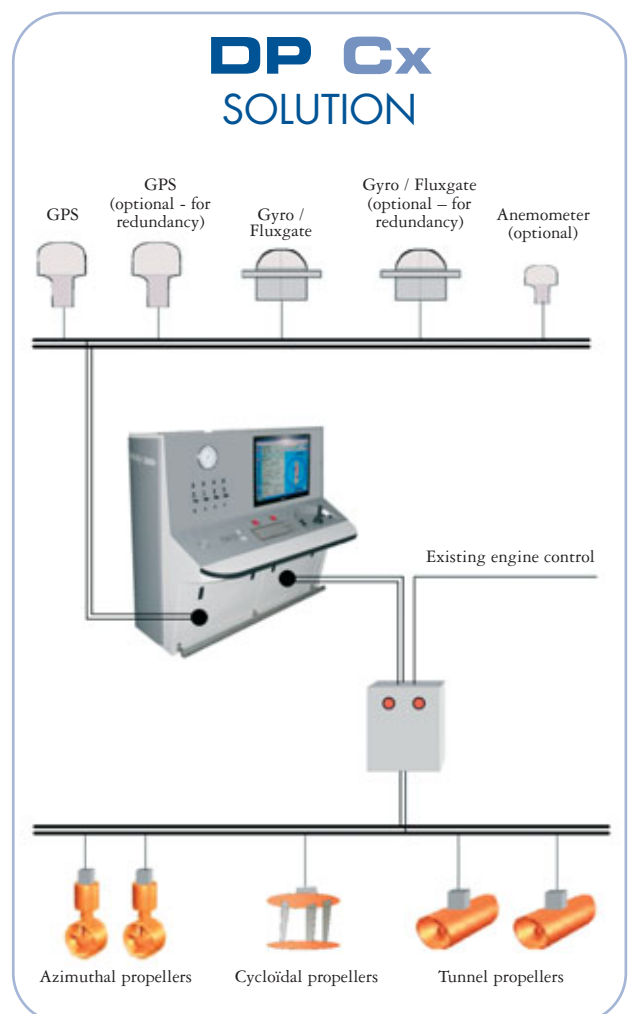
The system is generic and can be adapted to all kinds of propulsion and navigation instruments.

COMEX delivers a complete dynamic positioning system that does not require any modification of the existing installation. It may be adjusted to an existing console or be supplied as a complete system.

□ Easier to maintain

▶ Based on readily available standard parts

The whole DPCX solution relies on non generic components. This enables faster, simpler and cheaper maintenance.



▣ Various applications

- Auto position
- Auto heading
- Auto-track
- Follow target
- Autopilot
- Anchor assist
- Joystick



▣ Complete service

- Expertise
- Design
- Installation
- Settings
- Offshore tests
- Marine crew training



▣ Defined benefits

- Meets customers' technical needs
- Adaptable to all kinds of vessels
- Quick implementation
- Safe
- Cost efficient
- Simple



▣ Security guaranteed

The DPCX solution is a COMEX quality product. By choosing the DPCX, you benefit **from over 40 years of innovation** and subsea solutions tested all over the world, in all weather conditions.



Specifications

Power generated
on the bow thruster



Direction
of the thrust

Wind rose

Wind direction

Production
of movement
on port

Direction of the thrust
on the stern propeller

Power generated on the
stern propeller (%)

The main interface collects major data such as:

- ▶ Orientation of the propellers
- ▶ Thrust generated by the propellers
- ▶ Communication status of all sensors
- ▶ System status
- ▶ Quality of the GPS reception
- ▶ Real time heading and heading setting instruction display
- ▶ Position and position setting instruction display (in both geo and UTM coordinates)
- ▶ Production of movement instructions in the vessel frame of reference by parameter

The other pages of the interface are dedicated to the system and sensors parameter settings as well as to the production of more elaborate movement setting instructions.

▶ Various operating modes:

Manual mode

- Monitoring of the vessel by a 2-axis joystick and a rotating command
- The manual control commands are available both on the main console and on the departed console (available as an option)

Auto-heading mode

- Control of the real-time heading of the vessel
- Implementation of new heading setting instructions by pushing buttons on the console or by operator input
- Longitudinal and transversal manual commands are maintained and facilitated by the automatic heading control

Dynamic Position mode

- Control of the position and heading of the vessel
- Implementation of new heading instructions within the interface or by manual input (absolute or relative coordinates)
- Suppression of all manual commands for enhanced safety

Auto-track mode

Vessel path and drift monitoring

Follow target mode

Possibility of tracking a subsea mobile unit (AUV, ROV, submarine)

The DPCX system monitors, in real time, the quality of position signals (signal loss, degradation, and any discrepancy with redundant sensors). It is designed to inform the operator about any loss in the positioning quality and to protect both the vessel and crew against accidents by switching off the propulsion system in case of a total loss of navigation instruments.

COMEX Enter the legend

COMEX Marine Operations Department

36 boulevard de l'Océan - 13275 MARSEILLE CEDEX 09 - France

Ph: +33 (0)4 91 29 75 00 ■ Fax: +33 (0)4 91 29 75 07 ■ comexsa@comex.fr ■ www.comex.fr