

CCII Systems (Pty) Ltd (C²I² Systems) develops and manufactures ruggedised electronic system, software and board-level products for the military, aerospace, industrial control and renewable energy monitoring and control markets.



Naval Mission Systems

C²I² Systems Naval Mission Systems are custom designed to meet the unique requirements of the user and its vessels. We provide a complete solution including Operations Room and Bridge layout design, custom Operations Room, Bridge and Machinery Control Room console design and ergonomic layout of equipment to provide safe, effective and efficient operation of the vessel.

We can also provide mockups of the ship Operations Room and Bridge consoles, or of the entire Operations Room and Bridge spaces including bulkheads and windows, to allow an ergonomic assessment of the design prior to manufacturing and assembly.

C²I² Systems's Operations Rooms and Bridges are designed to comply with international standards for warship design :

- Stainless Steel or LRTP materials for Operations Room, Bridge and Machinery Control Room consoles
- Stainless Steel or LRTP materials for Navigation Bridges
- Ergonomic Design of Operations Room, Bridge and Machinery Control Room consoles
- IMO Guide for Bridge and Equipment/Systems Design
- International Association of Classification Societies Standard for Bridge Design, Equipment and Arrangement
- IMO Guidelines on Ergonomic Criteria for Bridge Equipment and Layout

Our Operations Room, Bridge and Machinery Control Room console designs range from commercial marine standard to fully MIL-SPEC qualified ruggedised equipment. We design and manufacture our Mission Systems to meet the user's specific needs and concept of operations.

C²I² Systems and its suppliers will procure and integrate a complete range of navigation sensors and other mission system equipment that meet all classification and user requirements.

C²I² Systems offer either full naval navigation solutions based on a proven Naval Electronic Chart Display and Information System (ECDIS-Warship) or based on an IMO-certified commercial ECDIS charting system.

As a Naval Mission Systems integrator we are able to select the best of industry technology from a wide variety of local and international equipment suppliers to meet the user's needs. We ensure that all of the selected equipment will operate in an integrated Operations Room and Bridge system solution as well as is optimally supportable throughout its lifespan.

* Lightweight Reinforced Thermoplastic (LRTP)

Electronic Board-Level I/O Products

C²I² Systems is a leading supplier of ruggedised electronic board-level I/O products and offers an extensive range of functional I/O types, formfactors, environmental grades and real-time software drivers. C²I² Systems's board-level products are intrinsically flexible and offer both high performance and a mix-and-match combinability for any specific user application, thus offering a highly degree of responsiveness in matching precise customer-specific requirements.

Multi-billion dollar US, European and NATO military systems and programmes rely on some of C²I² Systems's PMC adapter products which have also found extensive deployment in a range of European, Scandinavian, Asian and South African military programmes.

Industrial Participation

Currently, substantial opportunities exist for both foreign and local participants in South Africa's defence force refurbishment endeavours, as well as in its obligatory Defence Industrial Participation (DIP) and National Industrial Participation (NIP) programmes. C²I² Systems's high-end engineering capabilities, experience and products, as well as its proven track record, make it an ideal value-added local technology partner.



Force Multiplication through Information Technology®

South African Solutions for South African Applications

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