

APPLICATION STORY OF AN MPL PRODUCT

MIP520 used in ship radar system

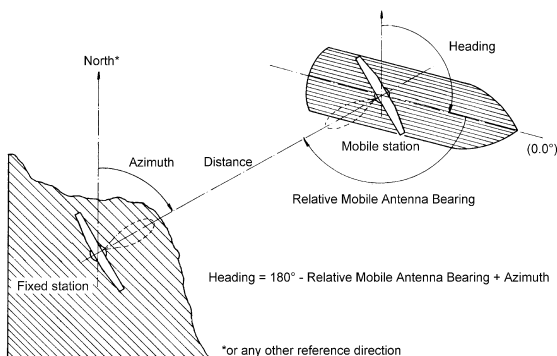
CHL Netherlands BV.

Since 1947 CHL has been involved in the design and production of special microwave applications. The main products are high performance slotted-wave guide antenna systems.

Application

Artemis MK5 is an automatic, short range position fixing system of the range-bearing type. It combines the proven microwave antenna tracking techniques of earlier versions of the system with state-of-the-art technology to achieve accurate and repeatable positioning under all weather conditions, using just a single reference station.

The system is an ideal position sensor for vessels and tankers with a dynamic positioning (DP) system, but also for other applications it forms a reliable positioning alternative. Especially in areas where employing satellite position fixing systems like GPS and DGPS suffers the effect of shielding, e.g. in the vicinity of large structures like oil rigs and platforms, the Artemis MK5 system proves its power.

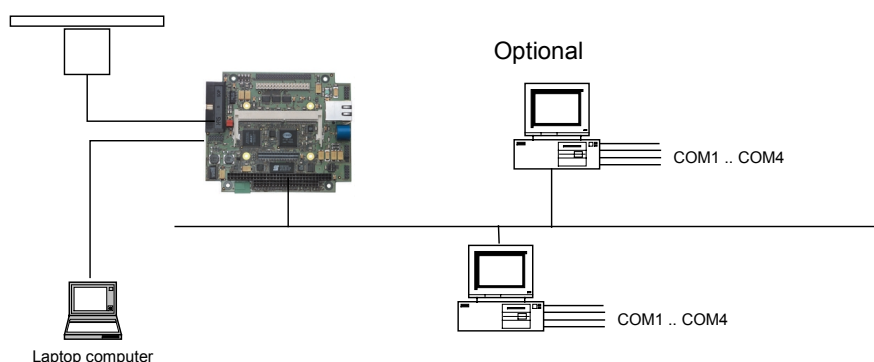


Reasons for using MPL products

- wide temperature range as the board is built in the housing of the radar
- vibration & shock requirements on radar
- reliability of the system is key
- good on board EMI protection
- long term availability of the product
- good support and know-how from Arcobel and MPL
- tested other systems but without full satisfaction therefore customer decided on the MIP520 for their new product



Block diagram of System



MPL products used

- MIP520-1 with LINUX
- SDRAM-32
- IDEFLASH-16