

*"The C-MAP Norway Satellite Service Project provides updated navigational information directly to the end-users."*

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### PROFILE:

C-MAP aims to become the one-stop-shop for all nautical information necessary for safe navigation. It aims to:

- Improve the real time chart updating service to include new chart editions
- Provide access to maritime navigational information, such as weather and tidal information
- Supply accurate and up-to-date data for weather routing systems.

Apart from the real time chart updating service, the SatServ project in particular enables C-MAP to improve online access to navigational information via a single communication terminal. The application is designed to use all SatCom solutions currently available to service customers who have already installed a communication platform. This will reduce their costs and avoid any need for extra equipment.

The aim of the SatServ development was to verify compliance with the most frequently used satellite communication terminals.

The client part (known as the C-MAP Terminal) supports all common standards and protocols being used onboard vessels today, and will also be able to update itself when online. It can be used on stand-alone communications computers and can support ECDIS (Electronic Chart Display and Information Systems)/ECS (Electronic Chart Systems) with backwards compatibility. The server part (known as the C-MAP Data Centre) supplies the onboard terminal software with all existing and future nautical information available from C-MAP.

The main benefit of this system is that it ensures safer navigation as the navigators will have constant real time access to the latest nautical information. The workload for the navigators can be lowered as the information is automatically or semi-automatically loaded directly into their ECDIS/ECS. The distribution of data is more efficient and demands less logistics than the current method of sending CD-ROM's. It is a great benefit to be able to get a varied portfolio of nautical information from a single supplier and be able to monitor the information from a single user interface.