

Olex

Marine charting and navigation

The system runs with S-57 electronic vectorized charts. Effective use of digital charts requires fast computer processing. The chart cells are converted into an internal compact format, where they are kept in different crude scaling levels. To achieve this, the coastline and other details have to be recalculated and reduced. In this way the time and memory requirement of the visualization program are kept at a fairly limited and constant level at any zoom scale. The screen will not be filled up with unnecessary information. In the crude scaling level, the visualization program scales the charts in several steps. In this way a fine and seamless interactive scaling is achieved, without any annoying details related to the organization of the cells.



Olex can use official and unofficial vector charts, in S57, shape and SOSI format, from hydrographic offices and commercial vendors. The navigation charts are displayed alongside the collected seabed data and the chart visualization software will, always strive to achieve a clear and informative chart image and prevent the screen from filling up with unnecessary information, by displaying only information relevant to the current zoom scale. Zooming and chart display are fast, easy and seamless.

For large area coverage a complete Chart Zone (Mediterranean & Black Sea) is a cost-effective solution. While smaller local Chart Folios are available for:

- Adriatic Sea Southern Part And Ionian Sea
- Mediterranean Sea - Coast Of Greece
- Mediterranean Sea - Aegean Sea
- Southern Aegean Sea To Gulf Of Antalya
- Eastern Mediterranean Sea – Cyprus

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