

Hands-off ENC Production

Redefining high-density ENC Production

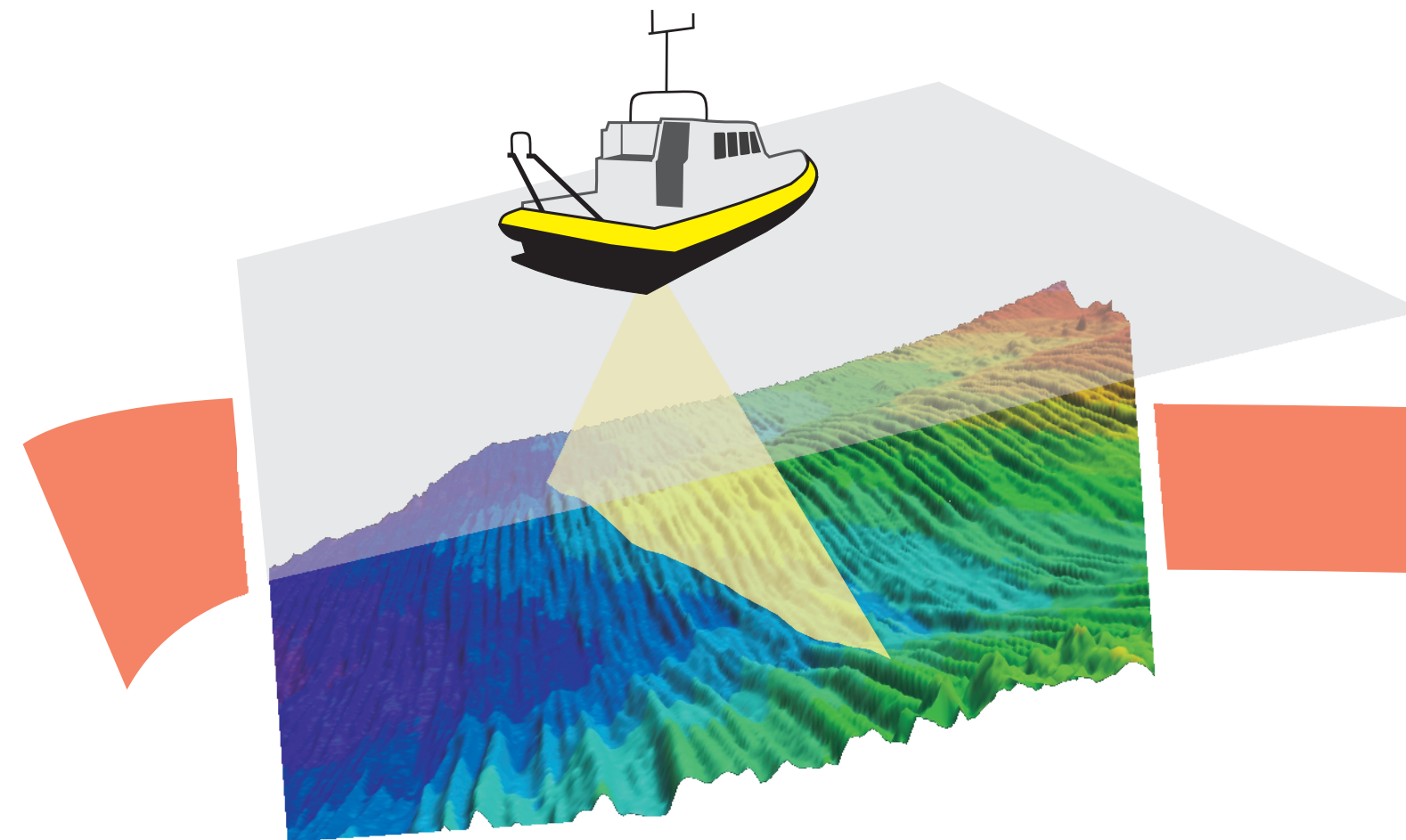


Analysis of the River Scheldt project

from survey to high-density ENC

24h

Acquisition



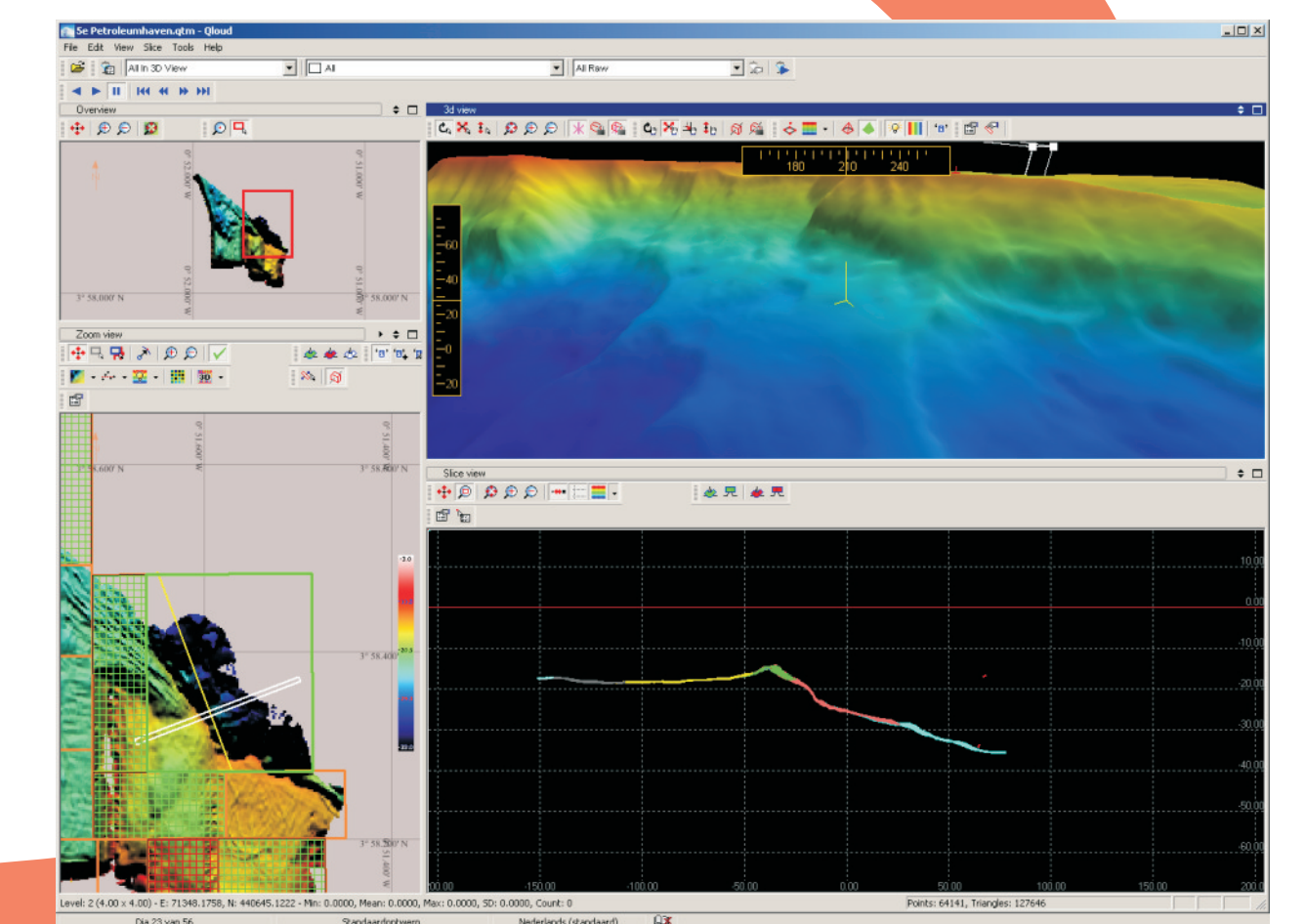
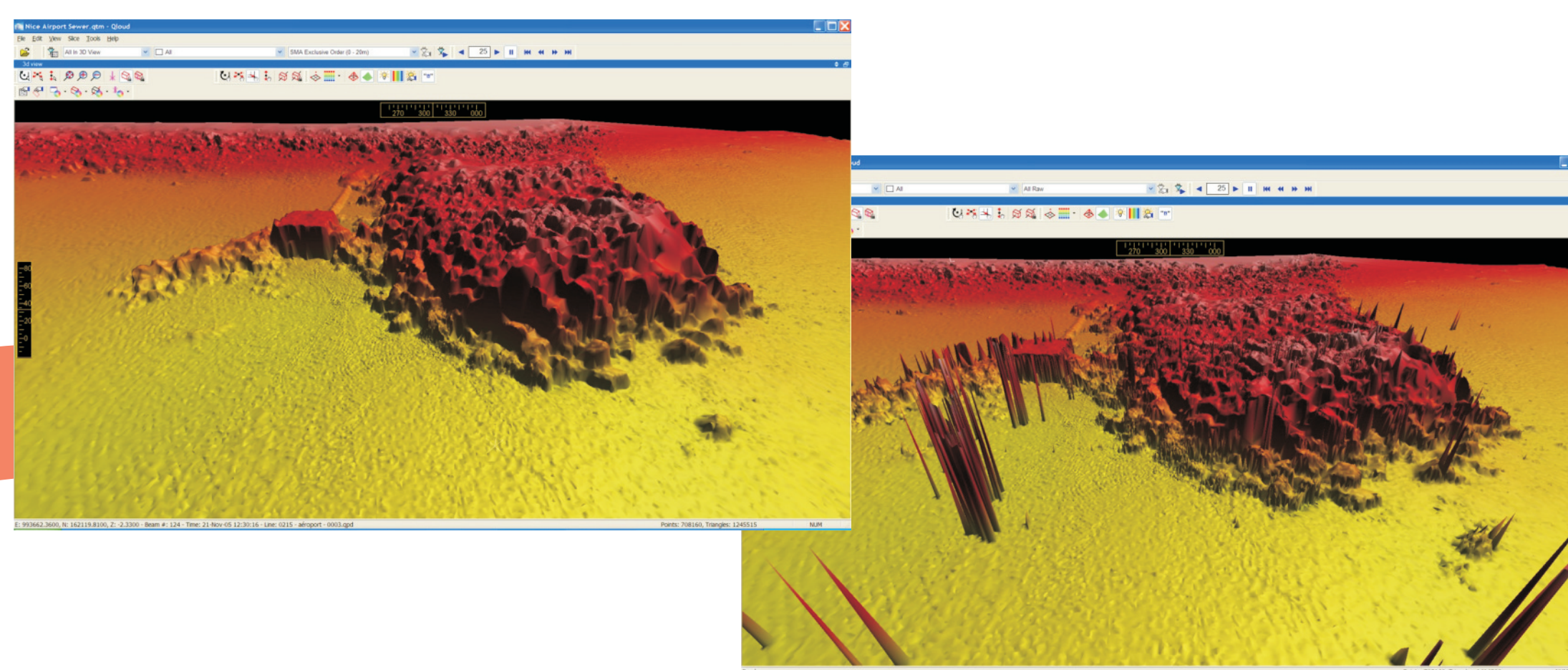
the problem

Modern echo sounders provide a staggering amount of sounding data. Managing, and storing, the ever increasing volume of survey data is a hot agenda item for many ENC producing agencies, including port and river authorities who have taken on the responsibility of creating and maintaining their own ENC's. Processing this data into high quality, high density ENC's requires a powerful, flexible and easy-to-use ENC production platform.



Validation

cleaned data set



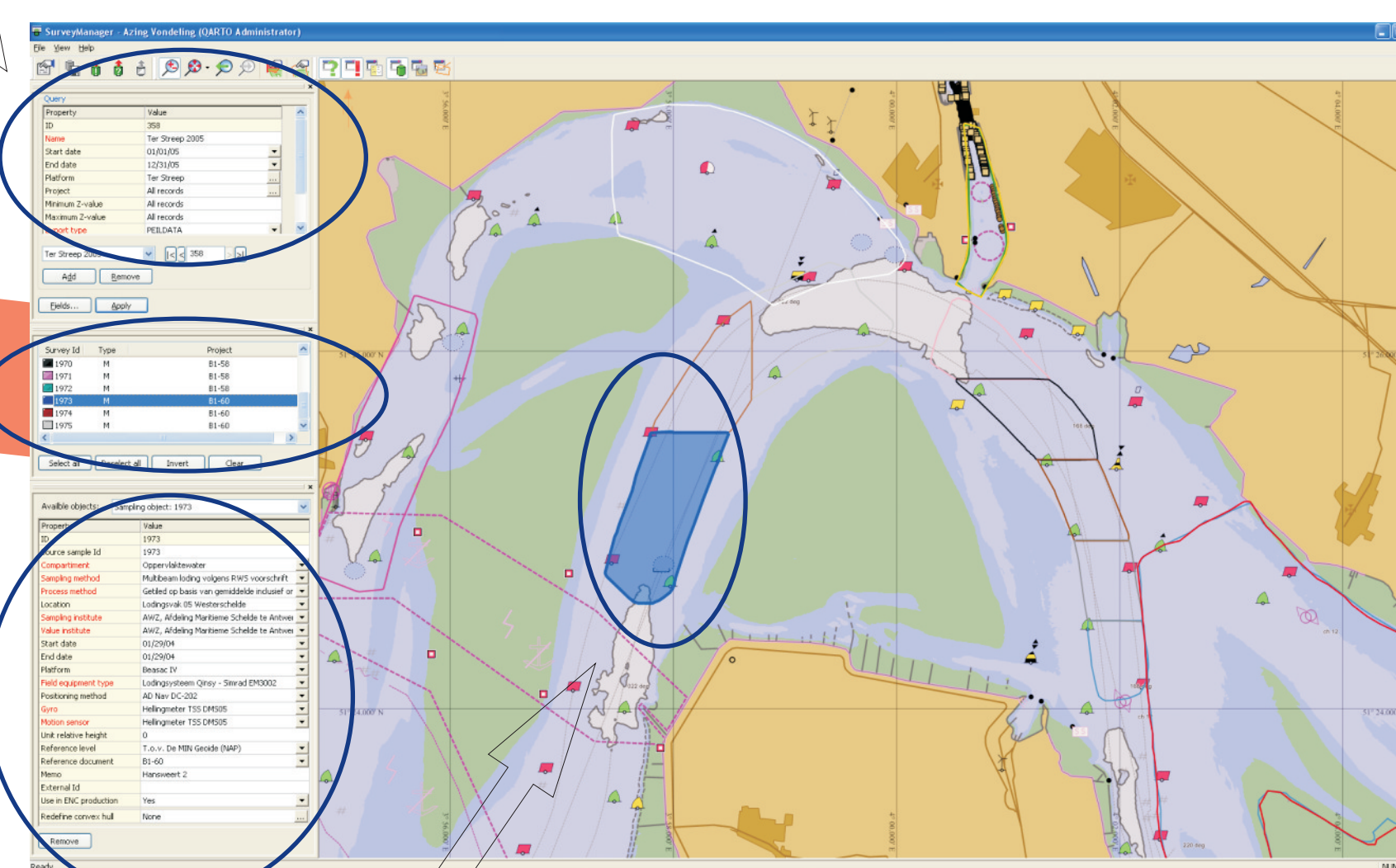
millions of soundings cleaned and validated in seconds

Management

define query

select survey

check metadata



Inspect

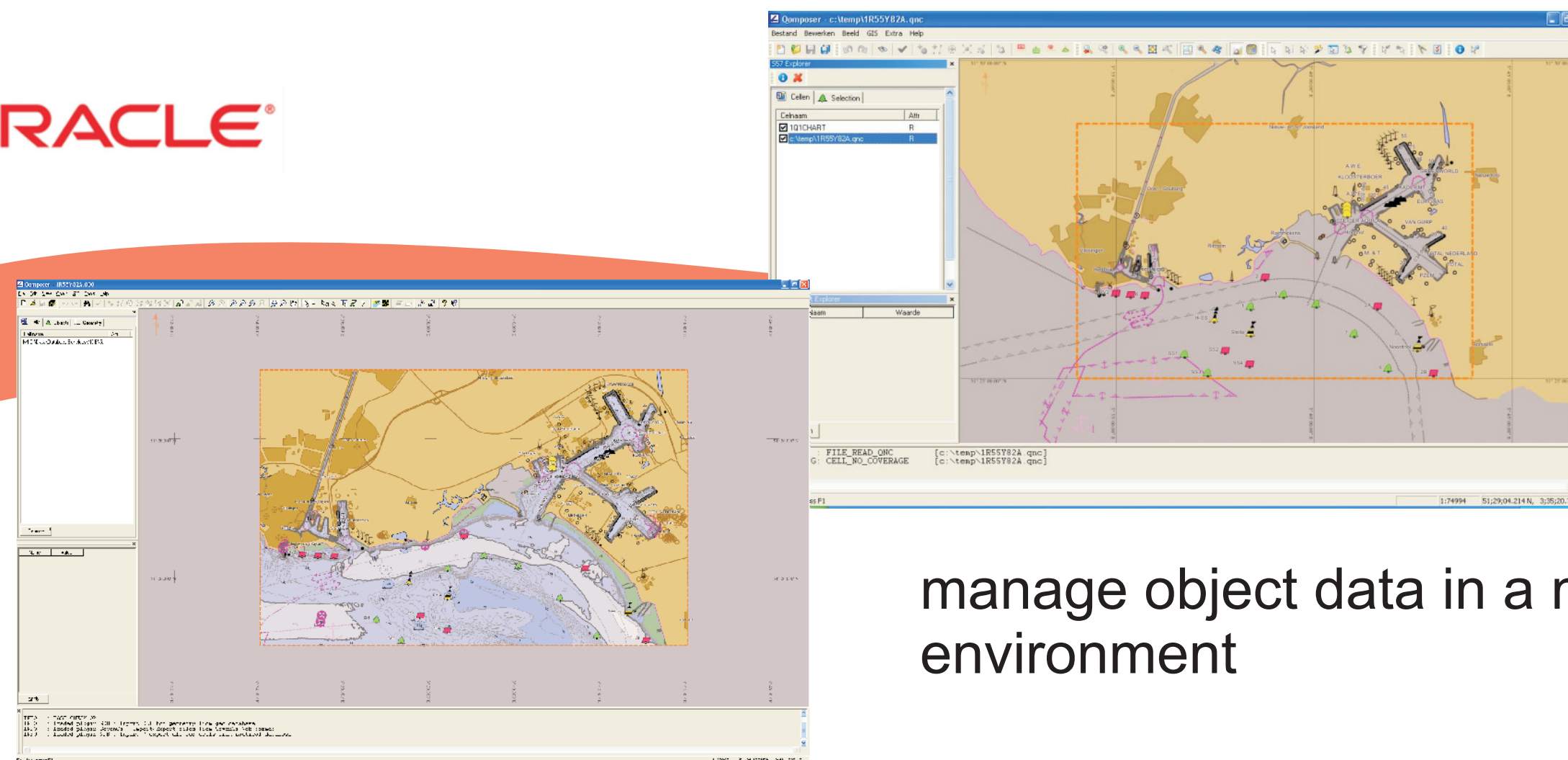
clever storage

To speed up storage and retrieval of bathymetric data, an advanced high resolution tiling mechanism is used that does not in any way jeopardize the combination of survey accuracy (IHO S44 95% Confidence Level and TPE) and sea floor resolution. This way only 5% to 10% of the original data set has to be archived.

Production

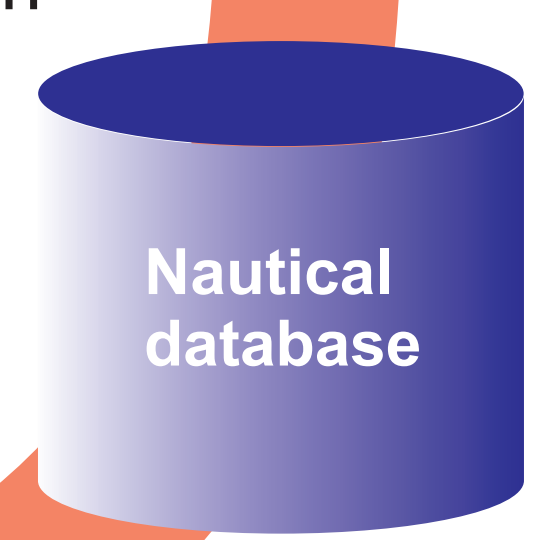


add bathymetry automatically (hands-off)



manage object data in a multi-user environment

extract from seamless database



ORACLE

Distribution

the solution

By using a proven database solution for storing bathymetric and nautical electronic chart data, bundled with a set of powerful client applications, it is possible to create a flexible and easy-to-use enterprise ENC production platform. The solution contrasts sharply with existing tools that are often complex and cumbersome. QARTO lead to much shorter turn-around times from the actual survey to the distribution of the ENC.



exchange set management

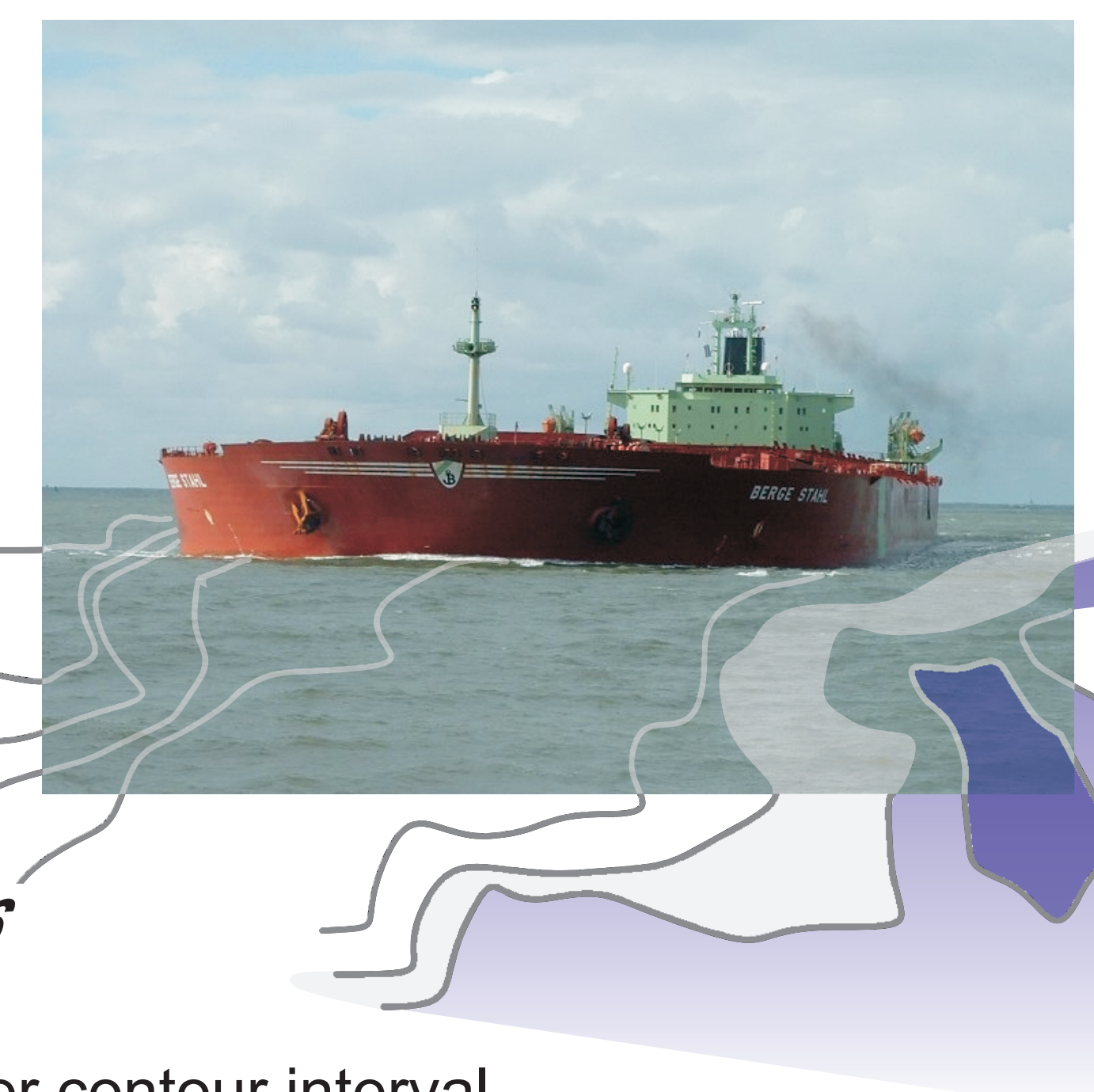


ENC Inland ENC AMLs



internet distribution

decimeter contour interval generated on the fly!



QARTO



Imagine piloting a 328m bulk carrier into port TODAY using an ENC updated with survey data collected YESTERDAY. Isn't this order of turnaround time the ultimate dream of any ENC producing agency?

