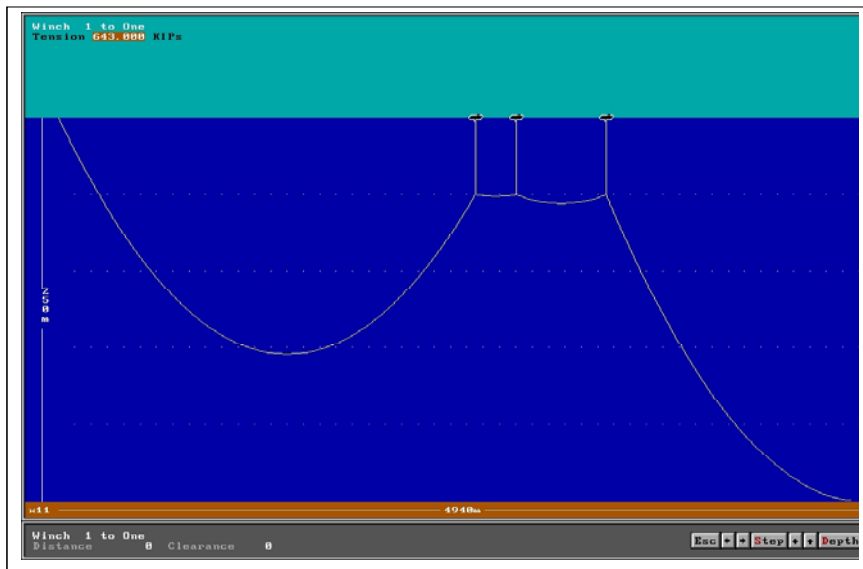


Catenary

Anchor cable control software

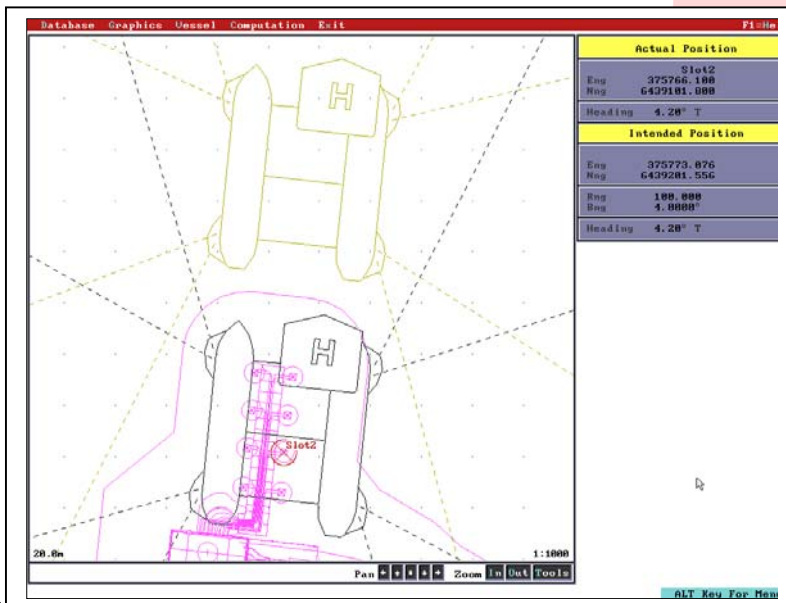
The Catenary Computation software is used off-line to compute the theoretical catenary from a tug or anchor cable.

Up to 5 buoys can be attached to the anchor cable to enable the anchor to be dropped further away from the barge thus avoiding pipelines etc. All the computations are based on recognised formulae for catenary computations. Thus theoretical results are computed which may be slightly different to the actual results due to physical conditions



Catenary Profile Display

The catenary profile display shows the sub-sea clearances graphically, marking the point of the nearest sub-sea obstruction. The software generates alarms when tolerances are infringed.



Actual & Intended Position "Zoomed In"

As the rig is moved, the online programme constantly calculates and displays the change in position as well as the touchdown point of each chain. The system also calculates and displays the relative height and horizontal distance clear of any subsea structure.

