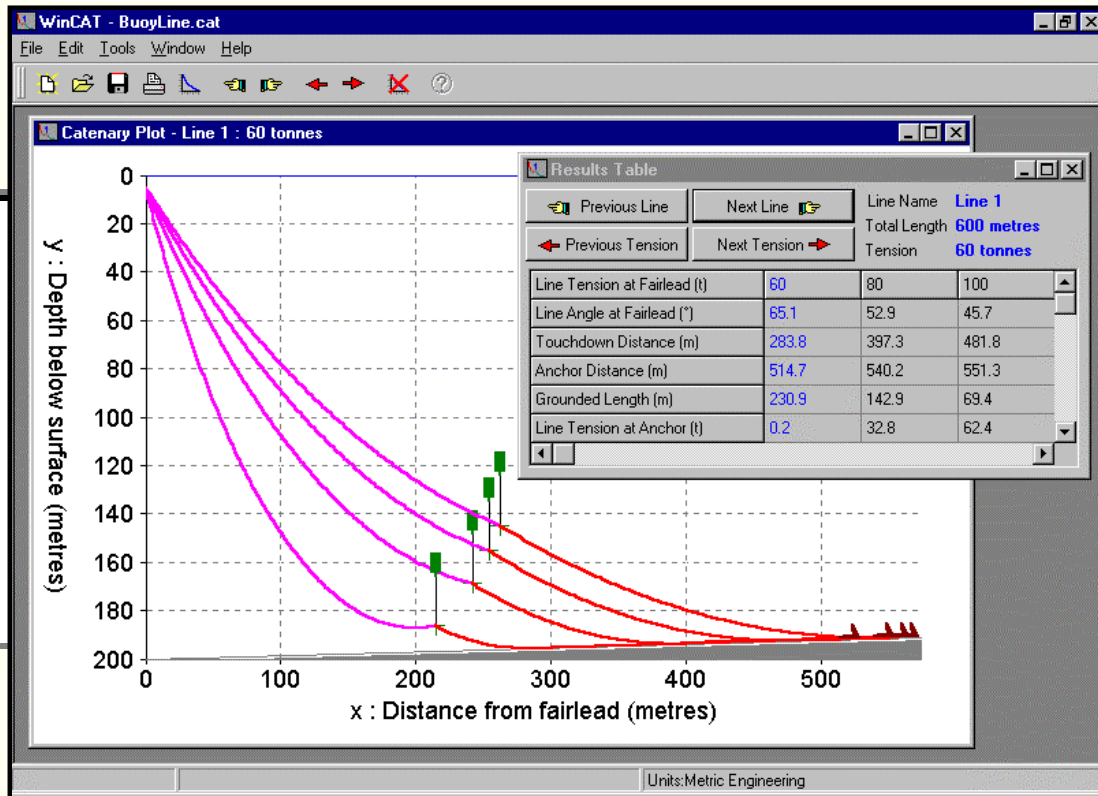


## WinCAT

### Windows CATENARY Calculation and Display Software



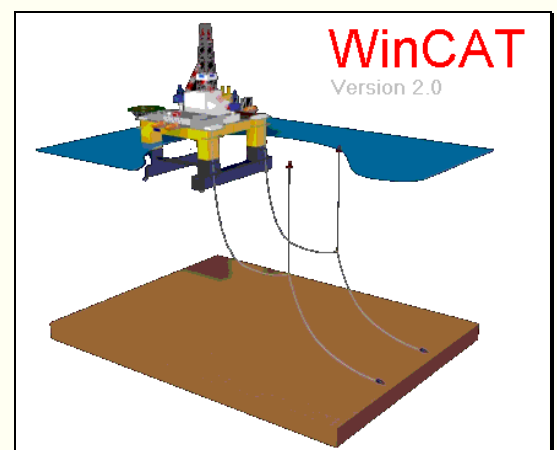
WinCAT is PC Windows software for the analysis of hanging cable systems - such as offshore moorings, umbilicals and flexible risers. WinCAT is very powerful but is also easy to use.

Running on any Microsoft® Windows™ (32bit) PC, WinCAT brings sophisticated and complex catenary analysis to the desktop of any offshore practitioner who needs to get the job done fast.

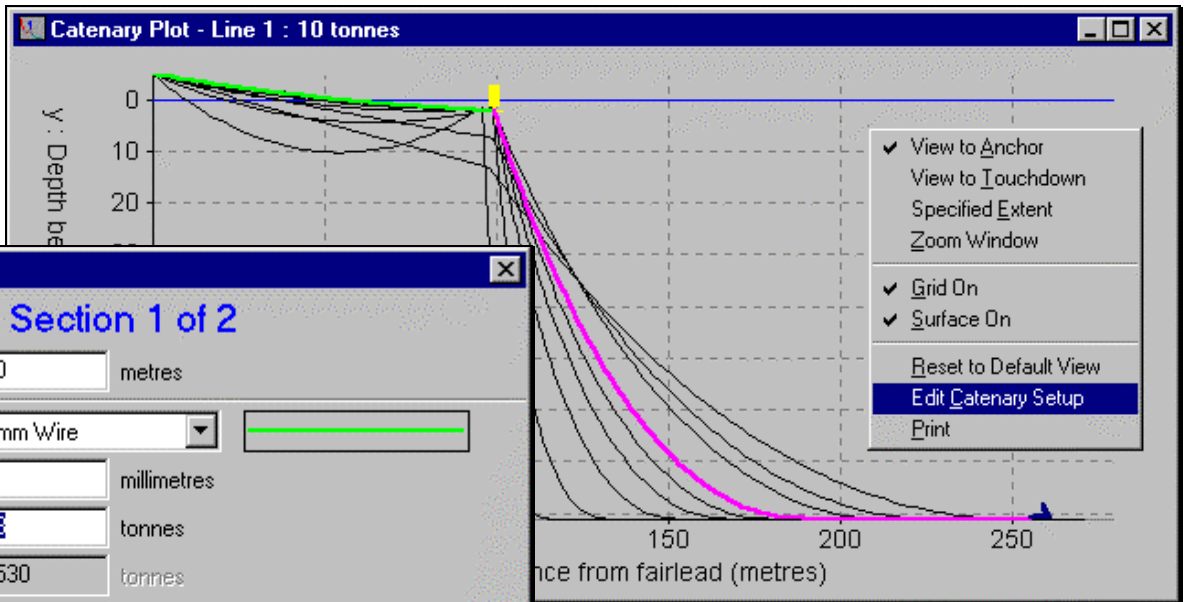
Easy to use, accurate and reliable in operation, WinCAT is ready to perform both onshore and offshore in design analysis, installation studies, anchor laying, rig moves, sub-sea operations and many, many more applications.

Check out the powerful capability features of WinCAT :

- ✓ Easy set-up with user friendly data input screens
- ✓ Multiple line sections with different properties for each
- ✓ Support buoys positioned at any points along the line
- ✓ Workboat option to handle line installation and laying
- ✓ Sloping seabed and ground friction can be modeled
- ✓ In-built database of line properties (chain, wire, etc.)
- ✓ User additions to database for lines, buoys, anchors etc.
- ✓ Switchable units (Metric & Imperial) for input and results
- ✓ Comprehensive results presented in tabular format
- ✓ Graphic catenary plots with multiple cases per plot
- ✓ Interaction with plots for line details and measurements



WinCAT is a new generation analysis tool designed to put capability into the hands of those responsible for making planning and operational decisions as well as engineers, designers and specialists.



**Section Details** Section 1 of 2

Length: 100 metres

Line Type: 50mm Wire

Nominal Size: 50 millimetres

Break Load: 153 tonnes

Elasticity: 13530 tonnes

Dry Weight/Length: 0.01051 tonnes/metres

Submerged Wt. Factor: 0.83 => 0.00872 tonnes/metres

Seabed Friction Factor: 1

Node Type: Buoy

Uplift Capacity: 23 tonnes

Buoy Height: [ ]

Pennant Length: [ ]

OK

**Database**

Line Types | Node Types | Unit Sets

Unspecified  
Grade 2 Chain  
Grade 3 Chain  
ORQ Chain  
ORQ +20%  
R3 Chain  
R3S Chain  
R4 Chain  
6 Strand 180  
6 Strand EIPS  
Spiral Strand  
50mm Wire

Name: 50mm Wire

Nominal Size (default): 50 millimetres

Break Load: 153 tonnes

Elasticity: 0 tonnes

Dry Weight/Length: 0.0105 tonnes/metres

Submerged Wt. Factor: 0.83 => 0.00871 tonnes/metres

Seabed Friction Factor: 1

Lock data:

Symbol: [ ] Colour: [ ]

Close

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