

# Overhead line design, from the pole to the drawing

nPoles Field and Desktop: field-ready software that surveys an overhead distribution line, builds the model, checks it and documents it, on the standards of Australia's distribution companies.



## Survey at the pole

Leica, GeoMax and Sokkia total stations and RTK GNSS read straight into the job, reflectorless shots kept in 3D, on a screen that reads in full sun.

## Stringing charts and Chart Finder

Charts, MES and route lengths, with measured sags turned back into the chart a conductor is strung to.

## Clearances

Ground, objects, circuits and phases, mid-span and uplift, on every circuit of every pole.

## Pole Load and footings

Wind, conductor and stay loads with bending moment and deflection against capacity, and the footing rated on every pole.

## The distributor's standards

17 company profiles: chart libraries, pole, crossarm and insulator databases, codes and clearance rules.

## Maps and coordinates

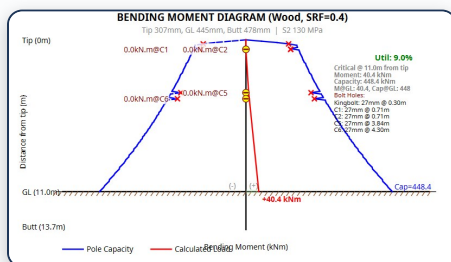
Aerial imagery, survey marks and boundaries; GDA94 and GDA2020, ground coordinates, control and mine grids.

## Reports and drawings

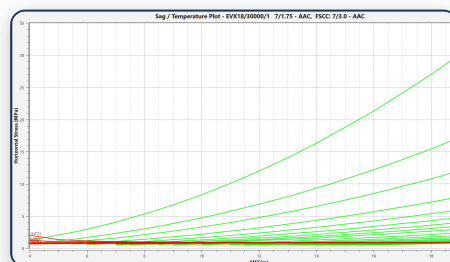
Schedules, Job Change Report, pole load PDF, DXF and LandXML, and construction plans through nPoles PPE.

## The job is safe

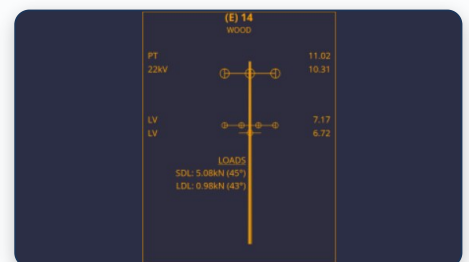
Crash-proof saving, Undo, point backups with notes, and recovery from the survey log.



Pole Load: bending moment against the pole's capacity



A stringing chart plotted over its span range



A pole schematic, saved as an image or DXF



## See it on your own job

Download nPoles from [npoles.com](http://npoles.com): it runs with every feature switched on during the trial. Quotes through the customer portal at [portal.npoles.com](http://portal.npoles.com) or by email.

## nPoles Field mini

The Android collector that hands its jobs straight to nPoles. Every Field or Desktop subscription earns a Field mini licence free for 12 months.