VisNet® Design

Technical Brochure

VisNet® Design

Helping Distribution Network Service Providers and connection providers to design and model existing network connections and new requests

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VisNet®
From EA Technology

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VisNet® Design is an online tool that allows users to plan, design and analyse low voltage electrical networks.

It is built on decades of network design experience and has been created to be easy to use whilst yielding quick, accurate results and giving powerful insight into how the network will perform.

It is the cutting-edge successor to WinDEBUT, which has been one of the UK electricity industry's leading low voltage network design tool for many years. VisNet® Design builds on this trusted and proven capability, and offers a modern user interface, an enhanced load flow engine and easy deployment and operation through any modern browser.

Low carbon technologies and local generation are putting more and more strain on electrical networks. Network designers need to be able to quickly assess the impact of alterations and new connections so that the network can be adapted to meet the needs of customers safely and at the lowest possible cost.

VisNet® Design is an essential tool for Distribution Network Service Providers (DNSPs), connection providers, contractors, and design consultants.

VisNet® Design enables rapid, intuitive modelling of LV networks and is compatible with the most commonly used web browsers. It provides a modern, mobile-friendly, touchscreen enabled user-interface and is available via a flexible, subscription-based licensing system.

Plan

Design

Analyse

Features

- Fast and flexible user interface
- Full low voltage design with embedded generation capability (Voltage/Current, Demand/Utilisation, Impedance, Faults/Fusing)
- Multiple load and generation types assessed together including EV chargers and solar PV
- Grouped connections, any combination or number of loads at each connection
- Seasonal variation modelling, demand and generation assessment carried out side-by-side
- Cable derating for ducted sections
- Flicker assessment in line with the AS/NZS IEC 61000-3-3
- Sustained and cyclic ratings
- Distributed connections
- Unbalanced 2-phase and 3-phase customers
- Import site plan pdfs as background to facilitate network design
- Annotations/Labels can also now be added to nodes
- Design voltage for the network can be set at the transformer
- Networks with multiple transformers can be drawn and assessed
- Group select tool can be used to make bulk updates to assets
- New Find tool can be used to search for specific network assets within large networks
- New editing tools to allow the users to move objects and re-shape cables
- Undo-Redo operations are available to facilitate reversing of unwanted changes
- Keyboard shortcuts are available for selecting and deleting objects and undo-redo actions
- Auto-complete map address and postcode search to facilitate network location

Why use VisNet® Design?

- Easy to use web application that works on a wide variety of devices
- Centralised file management to access saved models
- Network schematic and assessment results shown overlaid on a map view
- Comprehensive report for network design summary and assessment results
- Auto-calculated cable lengths from GIS co-ordinates
- Calculates smallest compliant cable sizes
- Rapid assessment of complex networks
- Minimal training requirements
- Cost effective with clear, simple pricing model
- Easy deployment with automatic updates
- Enterprise system integration available separately

To book your demonstration or to get further information and advice please contact us on +61 (0) 7 3256 0534 or email **au.sales@eatechnology.com / www.eatechnology.com/australia**

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