



INFRASTRUCTURE DESIGN

PDS LINE

Flexible, powerful and easy to use **CAD-independent software** for the design and preparation of road markings in accordance with **The Traffic Signs Regulations and General Directions (TSRGD)** using fully compliant fonts, symbols and line types. Outputs are created in drawing and BIM formats.

Features

Department for Transport diagrams

- Complete library of lines, text and symbols that are ready to use
- Update and download libraries

Custom libraries

- Build a library of non-standard line types
- Build a library of non-standard text
- Utilise standard placement and editing tools

Annotation

- Configure the output style and content
- Pick up marking properties automatically
- Associate annotation output with markings
- Reflect any change to the marking in the annotation
- Set out reports on the drawing
- Set out annotation in a text or CSV file

3D surface integration

- Associate the markings with 3D highway designs
- Reflect highway design changes in the markings
- Project markings onto the digital surface
- Export into BIM collaboration packages
- Attribute data attached to exported files

Dynamic placement tools

- Flexible placement options
- Associate markings with the layout
- Align markings with the layout
- Drag and drop placement
- In-place editing tools
- Editing properties

Key benefits

- ✓ **Increased productivity** with designs generated in a fraction of the time
- ✓ **Quicker response** to clients
- ✓ **Improved accuracy** with all annotation, setting out any quantities generated from the markings model and associated data
- ✓ **Reduced risk** of errors with dynamic updating across the whole design
- ✓ **Minimal training**, typically just half a day
- ✓ **CAD-independent**, leaving CAD licences free for other use
- ✓ **BIM-compliant**, as markings can be incorporated into the 3D model with associated intelligence exported to BIM collaboration tools
- ✓ **Subscription option** minimises the initial investment required





INFRASTRUCTURE DESIGN

PDS SIGN

Flexible, powerful and easy to use CAD-independent software for the design and preparation of traffic signs in accordance with **The Traffic Signs Regulations and General Directions (TSRGD)** using fully compliant fonts and symbols. Post and foundation design is all part of the package and can be output in drawing and BIM formats.

Features

Complete library of symbols and sign-types

- Immediate updates to include any new map symbols
- In-place editing

Dynamic Sign faces

- Any changes to the legend or symbols automatically re-sizes the border and updates size details

Automatic signs

- Tiger tail
- Lane gain/drop
- Lane Advance Direction
- Diagram No. 877
- Route confirmatory sign

CAD Agnostic

- CausewayCAD
- AutoCAD
- Civil 3D and other verticals

Built in post and base design

- Spread, individual or planted bases
- Level or sloped conditions
- All popular passively safe posts – Jerol, Lattix, HiMast, FSP, Optimast

BIM-compliant

- Industry standard where BIM compliant outputs are required
- Customisable meta data including ADMM

Siting options

- Automatically associates with a survey or design surface when sited on a 3D model post and base structure
- A frame
- Sign face-only option for mounting on gantries or other features

Key benefits

- ✓ **Speeds up production** of designs compared to other methods
- ✓ **Easy to use** with minimal training
- ✓ **Signface design** and structure calculations are included in a single package for an efficient workflow
- ✓ **Various base options**, spread, individual and planted incorporated as standard alleviating the need for multiple packages to complete the design
- ✓ **BIM-compliant**, as sign sitings can be incorporated into the 3D model with associated intelligence exported to BIM collaboration tools
- ✓ **CAD-independent**, leaving CAD licences free for other uses
- ✓ **Subscription option** minimises the initial investment required