

MPanel FEA

Version 15 update

The version 15 update adds some powerful new features combined with changes to the core of the program to ensure compatibility with current versions of AutoCAD and Rhino. Below is a brief list of the updates with reference details in the update drawing file and links to some detailed videos which demonstrate how the new features work.

New Free Pole/Beam

A new free pole/beam has been added to model a beam with no end fixings. This is ideal for models with floating beams elements—see series videos demonstrating this.

New Pinned Pole

A new pinned pole has been added to model a bending pole with a pinned end fixing. See video demonstrating this.

Solver upgraded

The solver has been substantially improved providing robust solutions of complex models with Cantilever Poles and multiple sail connections replacing the previous dual loop solver.

New Videos added

Several new videos have been added to our Youtube and Vimeo libraries—the drawings used to create the videos are available to download from your MPanel.com Dashboard.

Video: [Analyze hypar with fixed connections](#)

Video: [Analyze hypar with corner links to fixed connections](#)

Video: [Analyze hypar with link poles and backstays](#)

Video: [Analyze hypar with corner links to link poles and backstays](#)

Video: [Analyze hypar with cantilever poles](#)

Video: [Analyze hypar with cantilever poles with adjustable corner links](#)

Video: [Analyze hypar with simulated cantilever poles](#)

Video: [Analyze hypar with simulated cantilever poles with adjustable corner links](#)

Video: [Analyzing multiple sails connected to a free pole and fixed connections](#)

Video: [Analyzing multiple sails connected to a free pole and cantilever poles](#)

Video: [Analyzing multiple sails connected to a pinned pole and cantilever poles](#)

We trust you will enjoy these new features and that they will benefit your company.

Thank you for your continued support and again, we encourage you to provide feedback and suggestions for improvements.

MPanel Support Team