MPanel FEA - Major New Feature Version History

MPanel FEA Functions	FEA v7	FEA v8	FEA v9	FEA v10	FEA v11	FEA v12	FEA v13	FEA v14	FEA v15	FEA v16
	Released June 2012	Released May 2013	Released July 2014	Released October 2015	Released September 2016	Released Jan 2018	Released June 2019	Released July 2020	Released July 2021	Released June 2022
	Works with AutoCad 2013 and Rhino 4&5	Works with AutoCad 2014 and Rhino 4&5	Works with AutoCad 2015 and Rhino 4&5	Works with AutoCad 2016 and Rhino 4&5	Works with AutoCad 2017 and Rhino 4&5	Works with AutoCad 2018 and Rhino 5-6	Works with AutoCad 2010-2020 and Rhino 5-6	Works with AutoCad 2010-2020 and Rhino 5-6	Works with AutoCad 2010-2022 and Rhino 5-7	Works with AutoCad 2010-2023 and Rhino 5-7
Materials Databases added	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Loads Library to store load cases	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Simulate Encastre Pole	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Speed inprovments for A & R versions	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
New solver 3-5 times faster		✓	✓	✓	✓	✓	✓	✓	✓	✓
Resolve corner tensions for guy pole tripod		✓	✓	✓	✓	✓	✓	✓	✓	✓
Side and Slip Constraints added		✓	✓	✓	✓	✓	✓	✓	✓	✓
Standard Reports with single keystroke		✓	✓	✓	✓	✓	✓	✓	✓	✓
Model build option to keep materials etc			✓	✓	✓	✓	✓	✓	✓	✓
New Check Model Plot to find problems			✓	✓	✓	✓	✓	✓	✓	✓
Materials Calculator for stress/strain			✓	✓	✓	✓	✓	✓	✓	✓
New Model Build interface and options				✓	✓	✓	✓	✓	✓	✓
Faster Model speeds				✓	✓	✓	✓	✓	✓	✓
Simulate Beams				✓	✓	✓	✓	✓	✓	✓
New 64bit integrated solver					✓	✓	✓	✓	✓	✓
New unit nuetral Database					✓	✓	✓	✓	✓	✓
New Slip cable constraint					✓	✓	✓	✓	✓	✓
Grid Reports						✓	✓	✓	✓	✓
Deflecting Poles LC0						✓	✓	✓	✓	✓
Complete set of pdf reports						✓	✓	✓	✓	✓
Resizable Input forms						✓	✓	✓	✓	✓
New Static Beam							✓	✓	✓	✓
Solver works with large areas of slack fabric							✓	✓	✓	✓
Pole Bending Stress Results							✓	✓	✓	✓
New Plots settings for size and anti-collision							✓	✓	✓	✓
Pole Bending Moment Results								✓	✓	✓
Cantilever poles with multiple sail connections								✓	✓	✓
Angle of reactions" and "sum of reactions								✓	✓	✓
New free pole/beam									✓	✓
New pinned pole									✓	✓
Solver substantially upgraded									✓	✓
Table splits more intuitive and saved										✓
Plot titles added - more control over text sizes										✓
Poly numbers plot added										✓
Auto correct mesh orientation										✓