MasterSeries 2021
What's New?

MasterFrame Pro, MasterFrame FE & MasterFrame Dynamic
+ Up to 10x faster analysis of larger models

MasterKey FE Slab Design – EC2
+ Slab deflections with non-linear analysis, including cracking, creep, shrinkage, load event sequencing and more
+ Deflection check lines with multiple deflection check criteria, including differential deflection between two lines
+ Crack width calculations

BIM
+ Tekla Structures uni-directional and bi-directional links, with revision control for bi-directional links
+ IFC 2x3 Structural Analysis View MVD import, IFC4 Support
+ IFC I section haunches exported

Steel Design
+ Weld design for plated I-sections

Concrete
+ Concrete design groups in MasterFrame for items with common design parameters
+ Options to make rebar and pad sizes common across a group
+ Design options dialog has been revised to cater for a suite of design groups

Retaining Walls
+ Highways design to Eurocode - Road traffic loading to BS EN1991-3 + UK NA, with PD 6694-1:2001
+ Design walls adjacent to roads or bridge abutments
+ Eurocode ultiamte soil bearing calculations to Annex D, with service load case checks
+ Span/Depth ratio checks

Composite

+ Implementation of Hilti Shear Connection Library
+ Weld design for plated I-sections

PowerPad

+ Increase from 100 to 200 members in analysis and design
+ Analysis for a single FE surface up to 200m^2 allow for a typical large domestic floor slab