In KarambaIDEA the sign conventions for positive and negative directions of Karamba3D are used. KarambaIDEA can also be used with other FEM software packages. However, the a sign transformation needs to be applied in order to create joint equilibrium in the IDEA StatiCa joint model.
When the positive and negative direction of a force (Vz, Vy, My, Mz) in the FEM package are different from Karmaba3D, the loads need to be multiplied by (-1).