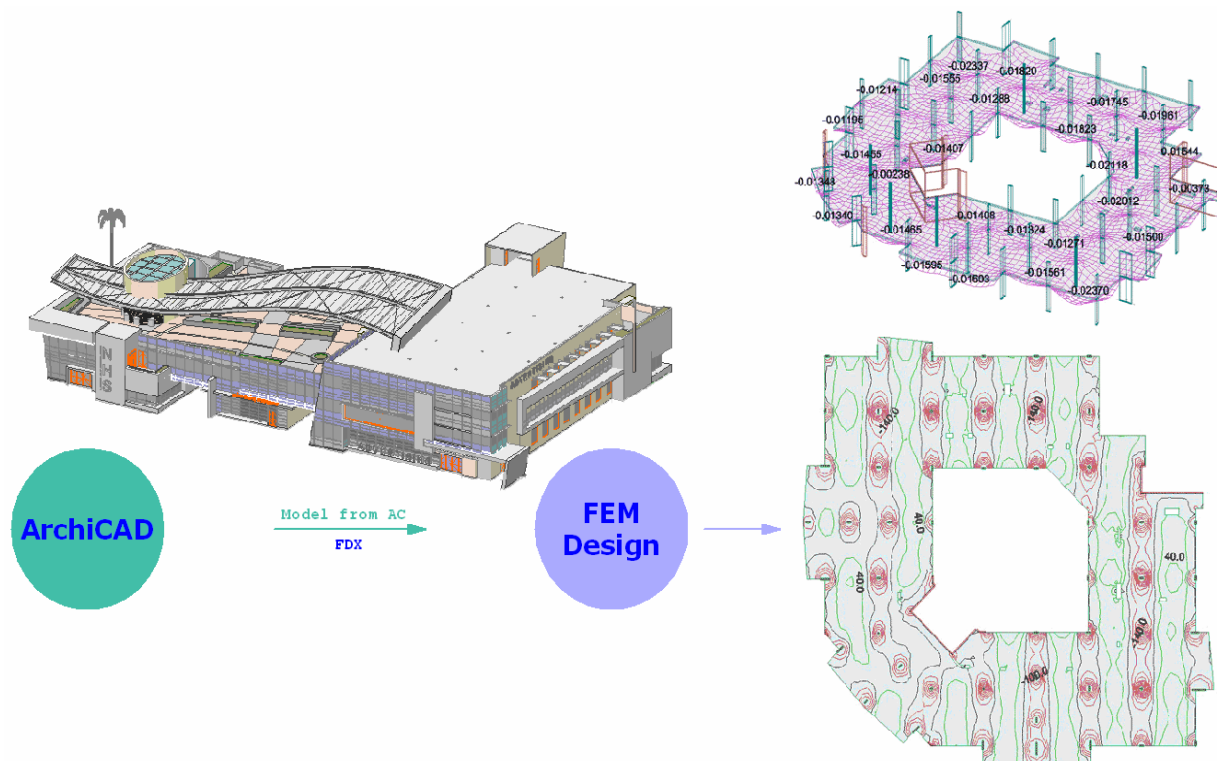


ArchiCAD 11 - FEM Design 7.0 Export

Workflow:

- The architect creates a model of the structure that he imagines in *ArchiCAD*. For this he builds up the buildings and models from slabs, beams, columns, walls and roofs.
- He exports this model through *.FDX* directly to *FEM-Design*® 7.0.
- In *FEM-Design*, the structural engineer does static, dynamic (eigenfrequencies, stability and seismic) analysis, reinforcement and steel design for the loaded 3D model or by its stories (slabs). He defines the loads and sets the design parameters of the model and accomplishes the calculations.
- The architect creates the architectural documentation based on this model in *ArchiCAD*®.
- The structural engineer creates the structural documentation based on this model in *FEM-Design*.



The I/O Process:

To use exchange data, you have to do the following:

1. Download the latest version of the *.FDX export add-on* (e.g. *ArchiFEM11en.apx* for *ArchiCAD 11*) from the website of your local *FEM-Design* distributor.
2. Put the add-on file into your *Add-Ons* folder of *ArchiCAD 11* when the program is not running.
3. Start your *ArchiCAD* and assemble the structure you would like.

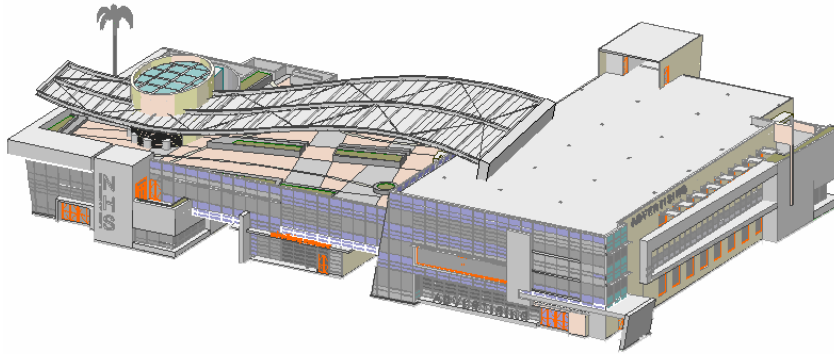


Image: paastudio: NHS building

4. Use the *Save as* command of *ArchiCAD* in *Plan view*. Choose the file type "*FEM-Design Export File (.FDX)*" to save the model for *FEM Design*.
5. Load the saved file with the *Open* command in *FEM-Design*. In *Plate* module the slabs of a selected story and in *3D Structure* module the complete structure can be designed.