

DNV Software Products : Genie Illustrated Report, looping over ModelViews

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The following code produces a word-report with one illustration pr ModelView. Your model needs to have at least one ModelView for this to work. This example code makes a drawing of the "Modelling - All" view. You can of course change this to "Capacity Models", "Mesh - All" etc.

```
// Size of produced plots

var hsize = 800;
var vsize = 600;

Test_Report = Report("Showing illustration in report");
var main_title = "Structural model";
Test_Report.add( Chapter(main_title) );
Test_Report.back.add( Chapter("Structural model plots" ) );

// Iterate over all modelviews in the model
for(var object in ModelObjects) {

    // Limit the search to model views
    if(object.supportsType(typeModelView)) {
        print(object.name);
        var title = object.name;
        Test_Report.back.back.add( Chapter(title) );

        newname = object.name + "_Modelling - All";
        filename = newname + ".png";

        SetNoLoadcase();
        //Showing the 'Modelling - All' view for this ModelView, change or add to illustrate others
        object.addElement(DisplayConfiguration("Modelling - All", moPaper));
        object.activate();

        Graphics.saveImage(filename,hsize,vsize);
        Test_Report.back.back.back.add( Figure(newname,filename) );
    }
}
// Save report to MS Word XML

Test_Report.saveAs("Illustrated_report.doc",mrWordXML);
```