

## *“Maximum Use of Already Existing Digital Data”*

### *Stress Work Automation Tools*



#### S-Gen# Introduction

*Download S-Gen#, <http://www.s-gensharp.com>*



#### S-Report# Introduction

*Download S-Report#, <http://www.s-reportsharp.com>*

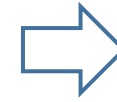
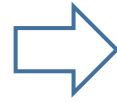


#### sPDFViewer Introduction

*Download sPDFViewer, <http://www.spdfviewer.com>*

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# Quick Reference (S-Gen#, S-Report#, sPDFViewer)



## "Conversion of 3D Model to Stress Model "

### **In:**

3D Iso Source Files (.pcf, .idf) or sPDF(\*1) Files (Level-1)  
+ Prj Spec DB(\*2) (Optional)

### **Out:**

CAESARII File (.c2).  
sPDF(\*1) Files (Level-2)

### **Features:**

Can be applicable to all 3D CAD Systems which use Isogen such as PDS (SP3D), PDMS (AVEVA Marine/E3D), AutoPlant, CADWorx. Node numbering can be adjusted.)

## "Data Process of Stress Analysis Results"

### **In:**

C2 Report (.out) + sPDF(\*1) File (Optional)

### **Out:**

sPDF(\*1) Files (Level-3 or 4)  
Smart ISO (\*3)  
C2 ISO (\*4)  
Support Load Table (.xlsx Format)

### **Features :**

Smart ISO (\*3) / C2 ISO (\*4) have same Iso breaks as 3D ISO can be generated.

## "Review of Stress Analysis Results"

### **In:**

sPDF(\*1) Files (Level-3 or 4)

### **Out:**

Smart Plan Drawing (\*5)

### **Features :**

Freeware.

**3D Model vs. Stress Model Comparison.**

Stress Iso Search, Filter, and Progress Management.

## **Tips!**

(\*1) **What sPDF is:** Files of pdf format which carry Drawing + Digital Data. By using Acrobat Reader or Bluebeam, users can print or view drawings.

By using sPDFViewer which is freeware, users can review Digital Data including Stress Results and Stress Model. The extension of them is .sPDF.

**Level-1:** Drawing + Iso Source, **Level-2:** Level-1 + Design Data, **Level-3:** Level-2 + Stress Analysis Results, **Level-4:** Level-3 + C2 Iso (.dxf)

(\*2) **What Project Specification Database is:** Access Database which includes Line List, Pipe Specification and Insulation Table.

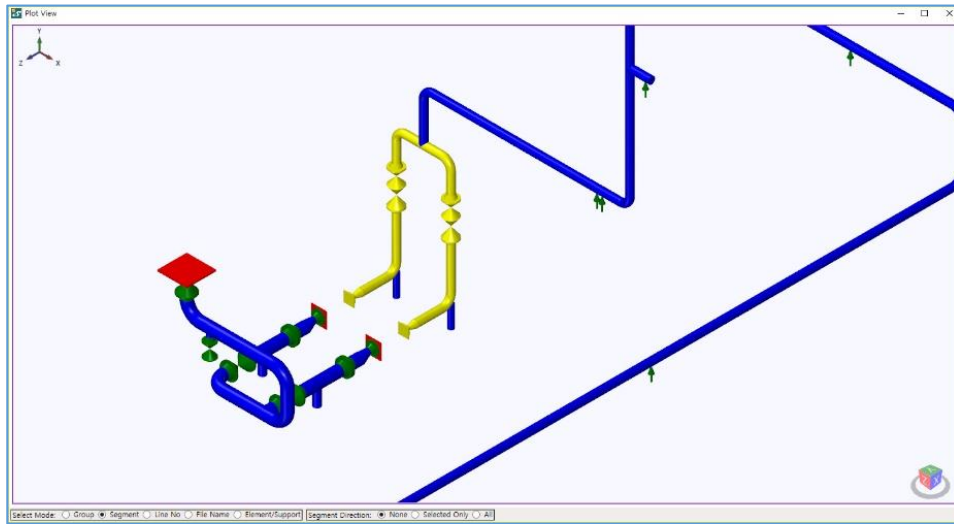
(\*3) **What Smart ISO is:** Plot ISO generated by S-Report# based on C2 input and output.

(\*4) **What C2 ISO is:** ISO generated by S-Report# and C2's Isogen based on C2 input and output.

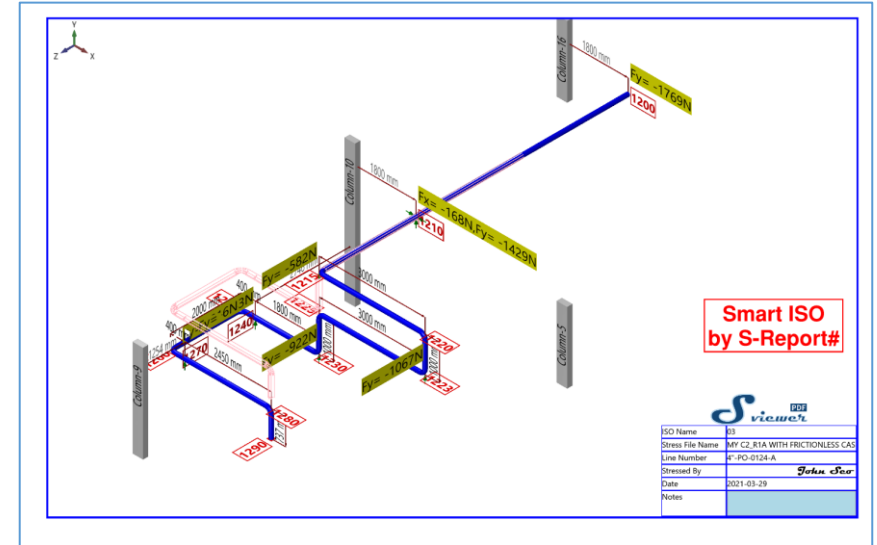
(\*5) **What Smart Plan Drawing is:** Support load information plan drawing generated by sPDFViewer based on C2 input and output.

# Four Main Products

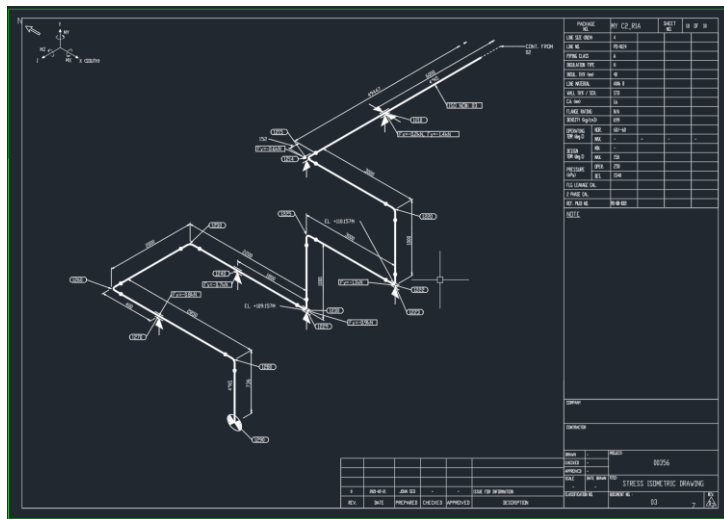
## 1. CAESARII File



## 2. Smart ISO



## 3. C2 ISO



## 4. Smart Plan Dwg

