The script needs the **inputs** below to work

1. sc\_template excel file
2. Thread\_Data excel file
3. Address excel file

All these files must be somewhere on the computer (Desktop location is preferred in order to be always visible for the user). The Desktop location for me is the path 'C:\\Users\\user\\Desktop', so on each computer the code will be adjusted for each user based on the corresponding path for Desktop. More specifically, the line of code below will be different for each user

**os.chdir('C:\\Users\\user\\Desktop')**

The **sc\_template** file must be permanently on Desktop (or other location) on the format I have sent to you. There is no need to be moved. This will be always the initial file that will give us the final file with the help of code. It is not affected at all by the execution of code.

Relative to the other files, every time a user wants to make a SC for a DP, he just makes a copy of thread export file as **Thread\_data** and the Address export file as **Address** and saves them on Desktop, as it referred**.** The file names must not be changed, the code is written with these file names. In case you want different file names, we can change them as “1.xlsx” or “Giorgos.xlsx” or anything you want, with the necessary adjustments to the code. In any case, the files names have no significance, so you could keep mine. When the process of SC is done, the user can remove these two files from Desktop or I can customize the code so they are deleted automatically when the process is finished.

**Steps of the process:**

**Step 1:** The three excel files on Desktop, the **sc\_template** almost empty, a copy of thread export file as **Thread\_data** and the Address export as **Address**

**Step 2:** Run the main script **“Mega\_File”** from command line (windows+r, shortcut), the result is the new file **sc\_template2**.

**Step 3:** The user goes into **sc\_template2**, he inserts the vacant lots (in case there are vacant lots) in each line and correct position, and he puts the number 1(only in one line is needed, not two lines) in column ”O” for the first cable of each bundle. He saves the **sc\_template2** and he exits.

**Step 3:** Run the second script **“DuctinFill”** from command line (windows+r, shortcut), the result is the **sc\_template2** updated. This script fills all the Ductinfill column with the numbers and colours of each cable

**Step 4:** The user can merge all the cells with same values with the PK’s Utility tool of excel, instead of doing that manually. This tool is free for downloading on the internet.

**Step 5:** The user fills the rest of data of his SC, he saves the file with correct name according to guidelines and moves it to the correct folder**.**