

VanSlyke, Gerald (CQ-AM1)

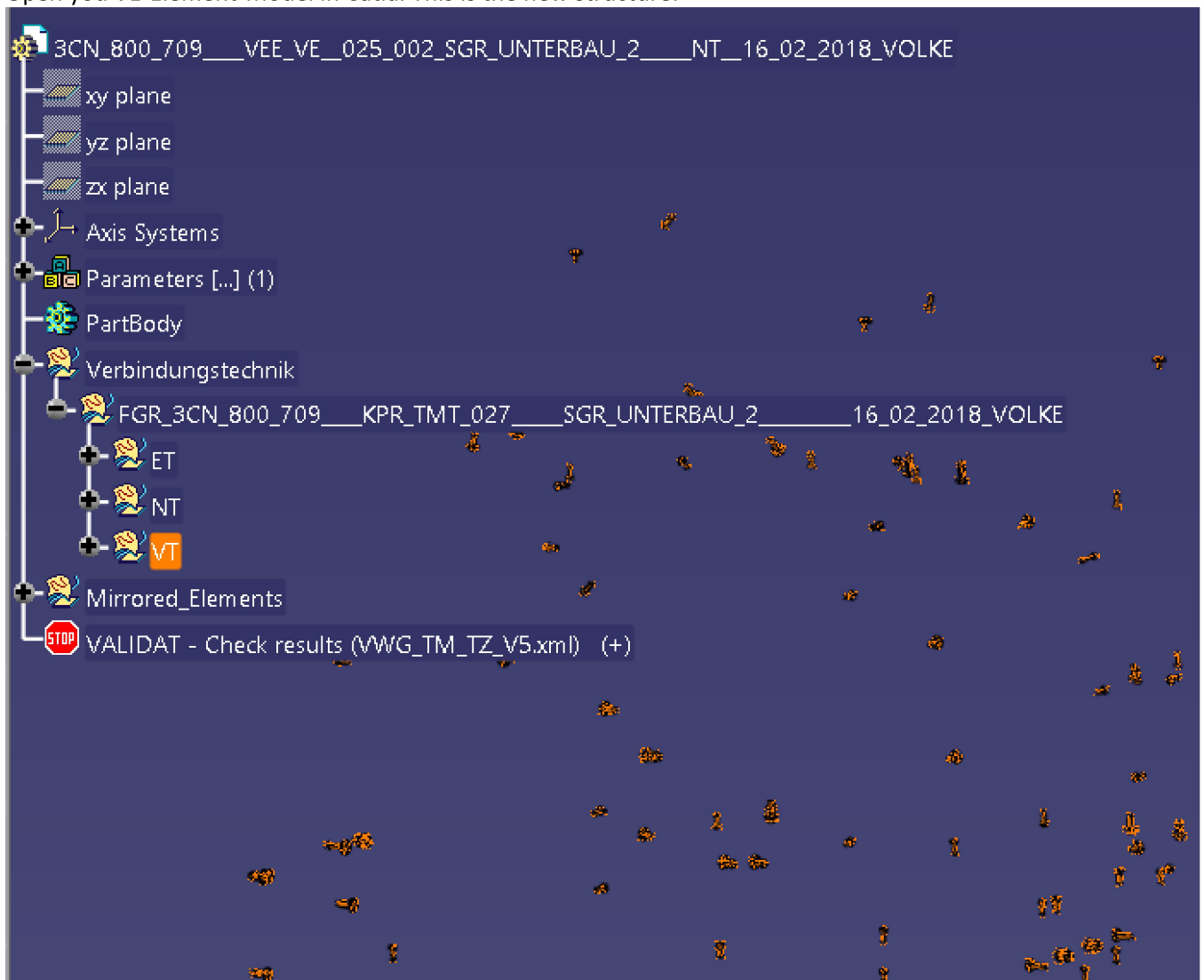
From: Dinges, Stephan (PVK/K)
Sent: Tuesday, October 02, 2018 8:52 AM
To: VanSlyke, Gerald (CQ-AM1)
Cc: Koch, Norbert (PVK/K)
Subject: Studs Creator
Attachments: VT_POINTS2EXCEL.catvba; BolzenCreator_2018_08_17_V0X_VW380.xlsm

Hello Jerry,

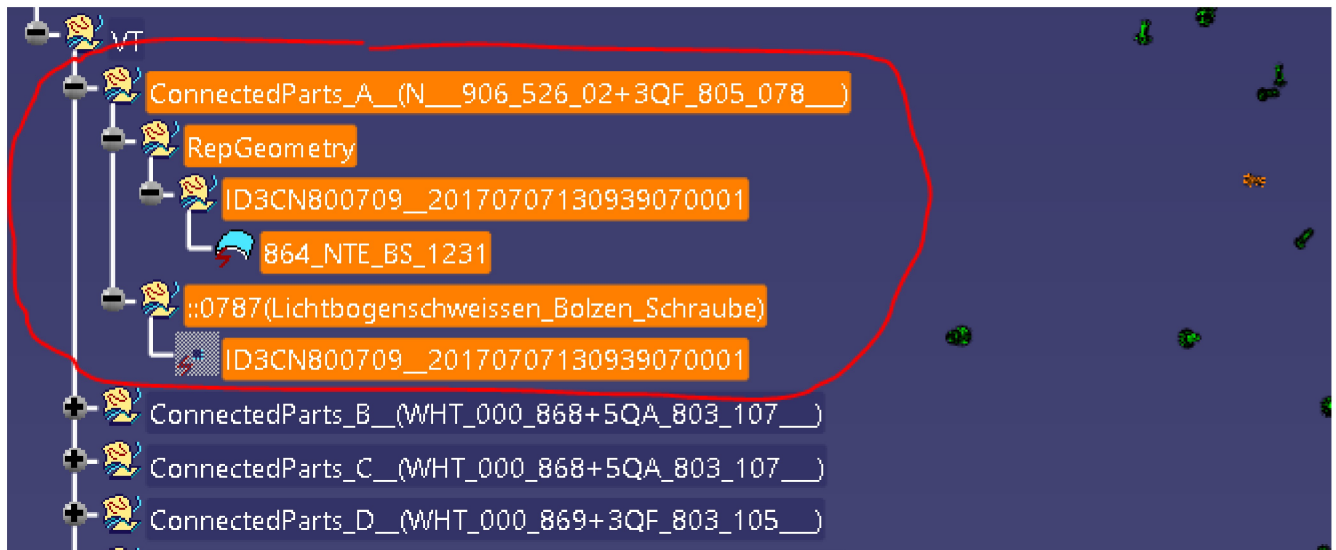
like I told you, this new script is absolute not easy to handle.

I made you a description. Please try with your new VE-Elements and send me problems (Screens) if you have.

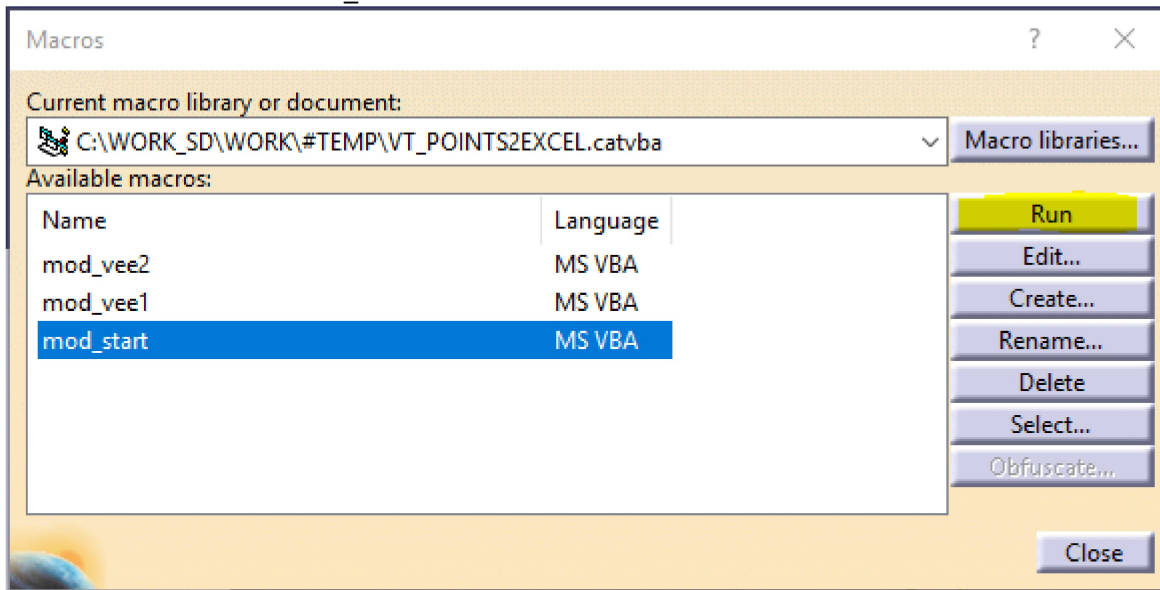
1. Attached is an CatSkript (VBA) which you must implement in Catia. How to do is a little bit tricky. Maybe google can help you.
2. Open you VE-Element-Model in Catia. This is the new structure:



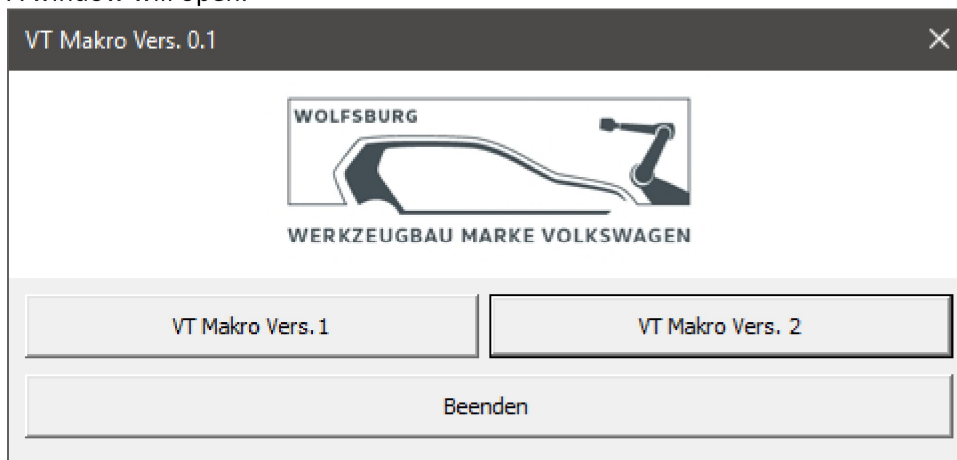
I think you must delete (not only hide) everything from the "VT"-Folder which is not necessary for you Studs (you can do this after a Testrun. Then you will see problems with the list)
Important to **leave** inside are the **Geometry** and the **points** of each stud.



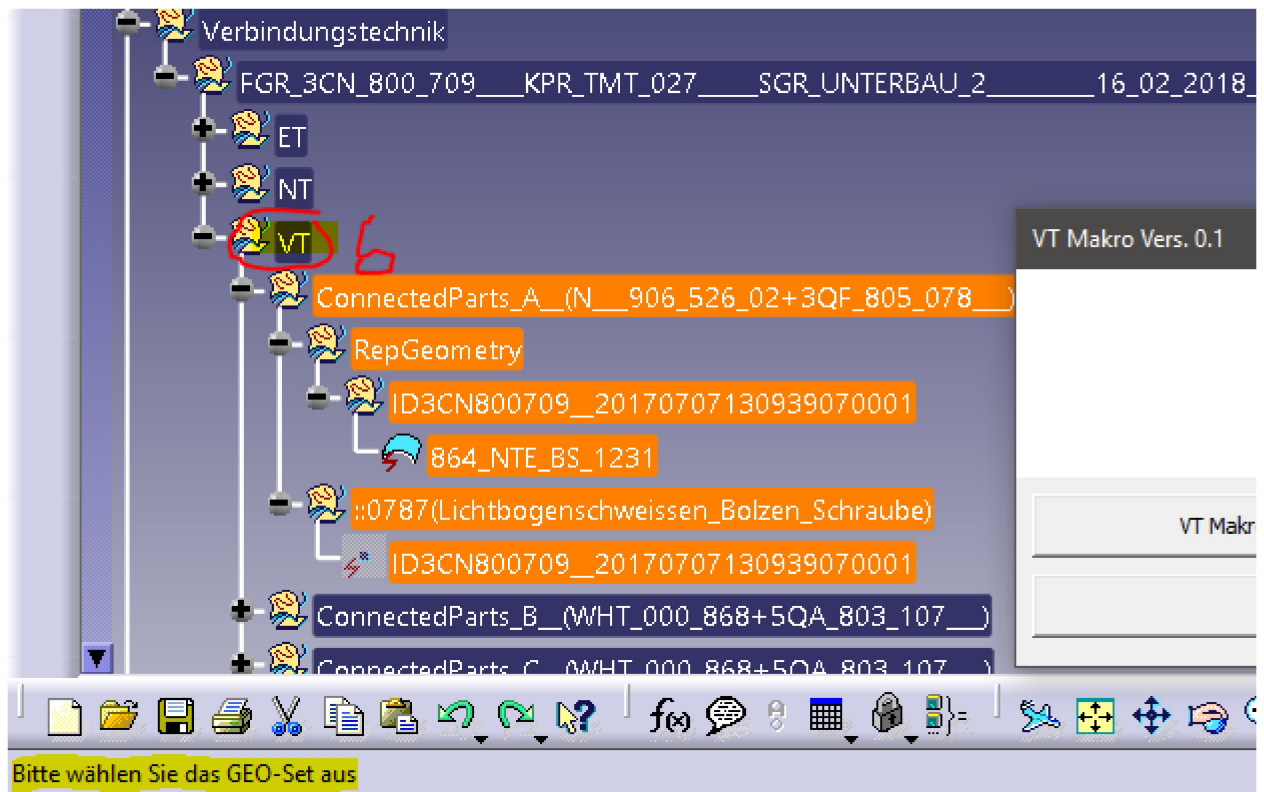
3. Open the Macro in Catia: *Tools – Macro – Macros*
Choose the macro “mod_start” and run



4. A window will open.



- a. Choose “VT Makro Vers. 2”
- b. Select in the tree: “VT”



5. Now you should get a list:

Mappe3 - Excel

Datei Start Einfügen Seitenlayout Formeln Daten Überprüfen Ansicht Entwicklertools Add-Ins JIVE ACROBAT

Einfügen

Calibri 11 A A

F K U

Schriftart

Ausrichtung

Standard

\$ % 000

Zahl

Formatvorlage

864_NTE_BS_1231

	A	B	C	D	E	F	G
1	Bolzenname	Bolzentyp	X	Y	Z	Dir1	D
2	864_NTE_BS_1231	N__906_526_02	-43.53803394	526.4869464	544.2610263	-0.257630071	-0.95
3	851_NTE_BS_1111	WHT_000_868	-512.5437346	-520.0000001	279.5428581	1.89951E-08	
4	852_NTE_BS_1121	WHT_000_868	-456.5031281	-520.0000001	279.5428581	1.89951E-08	
5	853_NTE_BS_1131	WHT_000_869	-470.7511848	-448.4096435	195.6679182	0.052335957	0.99
6	854_NTE_BS_1141	N__910_299_02	-256.9367639	-620.2158933	491.8993529	-0.559521969	0.65
7	854_NTE_BS_1142	N__910_299_02	-150.8076573	-596.9489442	526.7623245	-0.559521972	0.6
8	855_NTE_BS_1151	N__906_526_02	42	-510.087	383	0.136707105	0.9
9	855_NTE_BS_1152	N__906_526_02	45	-531.131085	500	0.339799716	0.93
10	861_NTE_BS_1201	WHT_000_868	-413.9267126	520.1000001	277.00814	-2.00323E-10	
11	862_NTE_BS_1211	WHT_000_868	-306.614479	621	460	-0.994521896	-0.03
12	970_NTT_BS_1430	N__910_698_02	-613	520.08	277	0.001649993	0.9
13	867_NTE_BS_1241	N__906_526_02	85.752	-662.256	632.0352243	0.396785353	0.01
14	871_NTE_BS_1301	WHT_000_869	58.476	-427	616	-0.978776385	0.13
15	872_NTE_BS_1311	N__908_895_02	37.55406074	-96	627	-0.987688341	
16	873_NTE_BS_1321	N__906_526_02	158	-641	570.5	0	
17	873_NTE_BS_1322	N__906_526_02	65	-530	623.7758989	0.00370929	-0.15
18	873_NTE_BS_1323	N__906_526_02	70	-196.9885467	647.0822277	-0.002541314	-0.02
19	873_NTE_BS_1324	N__906_526_02	56	76	649.4946877	-0.00254137	0.01
20	873_NTE_BS_1325	N__906_526_02	71	234	646.0599493	-0.002541558	0.03
21	874_NTE_BS_1331	N__910_299_02	90	36.3	646	-9.96276E-09	2.25
22	874_NTE_BS_1332	N__910_299_02	90	110.3	646	-9.97073E-09	2.26
23	875_NTE_BS_1341	WHT_000_868	85.183	661.659	632.2658178	0.39461976	-0.02
24	876_NTE_BS_1352	N__906_526_02	245.8550701	-476	599.5	0.641275787	0.16
25	876_NTE_BS_1353	N__906_526_02	225.1178973	-653.9999454	510	0.883635828	-0.46
26	876_NTE_BS_1354	N__906_526_02	322.927588	-724.9490715	335.0899635	0.827990858	0
27	876_NTE_BS_1355	N__906_526_02	225	710	539	0.902977554	-0.42

Tabelle1

Bereit

In the column "Bolzentyp" should be only names of studtypes like 'N__906_526_02', 'WHT_000_868',....

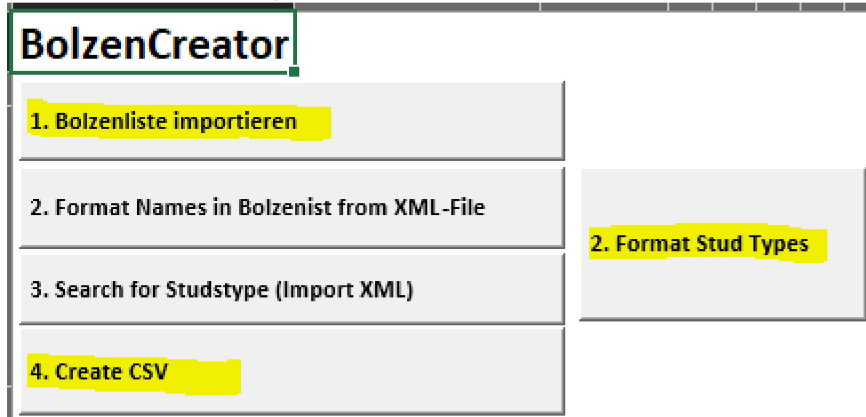
If there are other subject you should delete them in Catia in "VT". And in a new VE-Elements from the KVS there will be a lot of subjects you don't need.

A lot to do ;-)

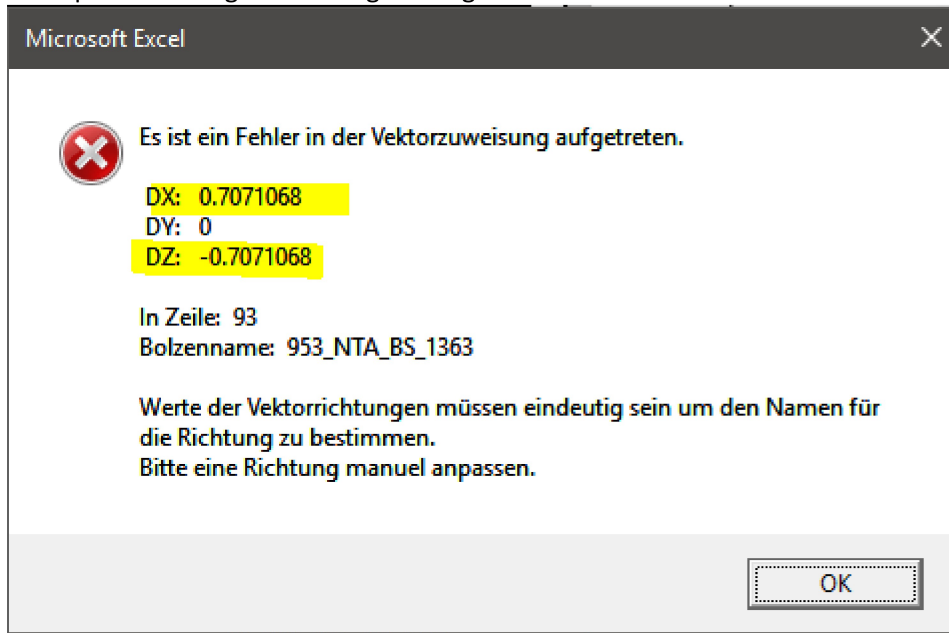
6. Save the final studlist.

7. Open the Excel-Tool from the E-Mail (BolzenCreator_.....xlsm)

8. Follow the marked steps:



9. In Step 4. You will get following message:



The problem here is, a stud have two vectordirections in with the same value and you must decide which one will dominate.

- Press 'OK' and change in the Tab 'bolzenliste'.
- Scroll down until the point the curser stopped.

	A	B	C	D	E	F
1	Bolzenname	Bolzentyp	X	Y	Z	Dir1
92	953_NTA_BS_1362	N.906.526.02	229.625	-216.505	619	0.6488551
93	953_NTA_BS_1363	N.906.526.02	232.811	233	620.889	0.7071068
94	953_NTA_BS_1364	N.906.526.02	206.9219157	519	595	0.7071068

- Change the last value:

	A	B	C	D	E	F
1	Bolzenname	Bolzentyp	X	Y	Z	Dir1
92	953_NTA_BS_1362	N.906.526.02	229.625	-216.505	619	0.6488551
93	953_NTA_BS_1363	N.906.526.02	232.811	233	620.889	0.7071068
94	953_NTA_BS_1364	N.906.526.02	206.9219157	519	595	0.7071068

10. Start Step 4 once more. This process will repeat as often as there are points with the same vectoredirections