SOMETHING YOU WILL NOT FIND IN THE MANUAL

STRUCTURE OF THE FOLDERS IN WSCAD 5.1

Task:

There are three production lines in the Coca Cola plant. This lines produce Coca Cola, Fanta and Sprite. They are for each of lines Unit_CocaCola, Unit_Fanta, Unit_SpriteMachines two switchgears +RC1, +RC2, +RF1, +RF2 or +RS1,+RS2 (let's say ten panels of the switchboard for each, PLCs, power supply, contactors ... etc.).

We are going to go on only for line Unit_CocaCola for clearness, then switchboards +RC1, +RC2. In the +RC1 are placed common circuits =00 (PLCs, power supply, incoming circuits, etc) and technological parts circuits =10,=20,=30.

In the +RC2 are placed =00,=40,=50 likewise.

Our task is to draw schemes +R1, +R2 as separate parts e.g. +R1 the one part (circuit diagram and material list) and +R2 the second part (circuit diagram and material list) of the project line Unit_CocaCola.

How we can this structure create in Wscad Project management??? So....:

1. In Windows Explorer create folder structure Fig.1. Further for Coca Cola line Unit_CocaCola for project CocaCola.



Fig.1

2. Open the **Wscad** and further **Settings** – **Common Settings** – **Directories** and find the path in **Project databases** window to the folder **Unit_CocaCola** Fig.2. Confirm to click **OK**.

Temporary files	C:\WSCAD51\PROJECTS\
Templates / Forms	C:\WSCAD51\TEMPLATES\
Project databases	C:\PROJECTS\CocaCola\Unit_CocaCola\
Dictionary	C:\WSCAD51\DB\TRANSLATE.MDB
Digitizer Forms	C:\WSCAD51\DIGITIZER\

Fig.2

3. Now click on icon **Projects management**. We obtain the message Fig.3. Confirm **YES**.



4. Will appear empty window Project management Fig.4.

S WSCAD 5.1 Project management	
<u>Project Edit View Extras</u>	
Selection : Several functions are disabled, because no drawing sheet is open!	<u>и о</u> к

Fig.4

5. Now tap on the icon Project new Fig.4. The appropriate window will open Fig.5



Obr.5

6. To the window **Project name** inscribe sign of the switchboard +RC1, Fig.6. and confirm **OK**.

New project		
	Project name	
+RC1	*	
Directory	Search	
C:\PROJECTS\Coo	aCola\Unit_CocaCola\+RC1	
Tamalatas T.		
- I emplates Templa	ste 🗾	
>> Project data <<		
Form	Project data	
Description	Project data	(212)
<		>
New	Delete Modify	1
		1
Project specific	configuration	PP:
EC 61346	🛛 <u>C</u> ancel 🛛 🗸	ОК

Fig.6

7. We obtain message as Fig.7. Confirm **OK**.



Fig.7

8. In Project management window is apear folder (project) structure for the switchboard +RC1 Fig.8.



Fig.8

9. In the left window **Project management** tap on the **Schematics**. In right site will appear new window Fig.9. Now click on the **Drawing frame** window. In this new window try select template (frame). Confirm click on **OK**.



Fig.9

9. Into the window **Drawing frame** downloads type of the frame, Fig.10.

S WSCAD 5.1 Project management	> Open :	+RC1	
<u>P</u> roject <u>E</u> dit <u>V</u> iew E <u>x</u> tras			/
🖃 🛈 +RC1	_	Schematics	Project: +RC1
📄 📴 Project data		Drawing frame	A3 frames 1-8 DIN 1\A3 frame 1-8 DIN 1.0001 [C:\WS
📄 🖹 Revision History		File name	Schematics
📄 📴 Summary	ę	Description	
Schematics	E	Comment	
🗋 Control cabinet			
📃 🔚 Terminal chart	66	2	×

Fig.10

10. Click on window **Filename** – **Schematics** Fig.10 and press **enter**. In white line **File name** rewrite **Schematics** on +**RC1**, press **enter**, Fig. 11.

3 WSCAD 5.1 Project management	> Open :	+RC1	
<u>P</u> roject <u>E</u> dit <u>V</u> jew E <u>x</u> tras			
🖃 🛈 +RC1	P	Schematics	Project: +RC1
🕒 📴 Project data		Drawing frame	A3 frames 1-8 DIN 1\A3 frame 1-8 DIN 1.0001 [C:\WS
🖳 📴 Revision History		File name	+RC1
🖳 📴 Summary	2	Description	
🚽 📴 Schematics		Comment	
🖳 🛄 Control cabinet	Art	1	
📄 🕒 Terminal chart			`

Fig.11

11. Now click right mouse button on the **Schematics** and create first three sheets of the switchboard +RC1, Fig.12.



Fig.12

12. We must button up the job and must create structure =00,=10,=20 etc. We will do it in the sheets of switchboard +RC1, Fig.13. Do the same for +RC2 etc.



13. Now try the structure for +RC2 (article 4. – article 11.), Fig.14.

📩 🖪 Calandar	1723		
	<u> </u>	ð	Project: +HL2
+DC1.0001	B	Pariset No.	+802
+hC1.0002		Project No	
+hc1.0003			
Control cabinet		Design description	
Connector chart	4	Project description	
Cable list	0	Curry No	
Cable list		Custino	
Cable chart		Curry ZID/Destal and an	-
Material list	-	Department	<u> </u>
Materian list Beference list			
	8	Addit Tur2	
Eloor plan			
	<i>c</i>		
	E	Addition Manufacturer	
Project data	-	Manuacturer Mafr address	
Bevision History		Mnfr Zip/Postal code and	-
	+	Drawn bu	
E Schematics			
+BC2 0001		Location	
+BC2 0002		Properties	
+BC2 0003		Working directory	CAPBO JECTS\CocaCola\Upit_CocaCola\+BC2\
		- working directory	

Fig.14

14. The structure of folders in Windows Explorer looks like Fig.15.

éky	× Název 🔺	Velikost	Тур	Změněno
	📉 🗀 +RC1		Složka souborů	21.5.2008 18:3
🖃 🦳 CocaCola			Složka souborů	21.5.2008 18:3
🕀 🦳 Unit, CocaCola	PRJARC.ldb	1 kB	Informace o uza	21.5.2008 17::
🕞 Unit Eanta	PRJARC.MDB	76 kB	Aplikace Microsof	21.5.2008 14:2
Durit Sprite	PRJBAU.ldb	1 kB	Informace o uza	21.5.2008 17:
	PRJBAU.MDB	76 kB	Aplikace Microsof	21.5.2008 14:
	PRJDATA.MDB	892 kB	Aplikace Microsof	21.5.2008 14:
	PRJKND.ldb	1 kB	Informace o uza	21.5.2008 17:
	PRJKND.MDB	76 kB	Aplikace Microsof	21.5.2008 14:
	PRJVERW.ldb	1 kB	Informace o uza	21.5.2008 17:
	PRJVERW.MDB	108 kB	Aplikace Microsof	21.5.2008 18:



15. Now try structure for **Unit_Fanta.** Procedure is the same as article.2. etc. for +RF1 a +RF2. We find path for folder **Unit_Fanta** in **Project databases** Fig.16 etc.

Temporary files	C:\WSCAD51\PROJECTS\	
Templates / Forms	C:\WSCAD51\TEMPLATES\	
Project databases	C:\PROJECTS\CocaCola\Unit_Fanta\	
Dictionary	C:\WSCAD51\DB\TRANSLATE.MDB	



16. There is the structure of Project management in Fig. 17 for Unit_Fanta.

	P	11	
+nrz	(a)	Decise No.	+RFI -
	0	Project No	
	F	Drawing No	
	Æ	Project description	
	-	Lustr Address	
	*	Lustr ZIP/Postal code and	
	62	Specification	
		Add11xt2	,
	10		
		Add11xt3	/
	역발	Manufacturer	/
	8	Mnfr address	/
		Mntr Zip/Postal code and	
	+0	Urawn by	
	d b		
		Location	
		Properties	
		Working directory	U:\PRUJECTS\CocaCola\Unit_Fanta\+RF1\

Fig.17

17. Folder structure in Windows Explorer looks like Fig.18.

ložky	× Název 🔺	Velikost	Тур	Změněno
	 +RF1 +RF2 PRJARC.Idb PRJBAU.Idb PRJBAU.Idb PRJBAU.MDB PRJAC.MDB PRJAL.MDB PRJAL.MDB PRJAL.MDB PRJVERW.Idb PRJVERW.MDB 	1 kB 76 kB 1 kB 76 kB 892 kB 1 kB 76 kB 1 kB 108 kB	Složka souborů Složka souborů Informace o uza Aplikace Microsof Aplikace Microsof Aplikace Microsof Informace o uza Aplikace Microsof Informace o uza Aplikace Microsof	21.5.2008 19:1: 21.5.2008 19:1: 21.5.2008 19:09 21.5.2008 19:09 21.5.2008 19:09 21.5.2008 19:09 21.5.2008 19:09 21.5.2008 19:09 21.5.2008 19:09 21.5.2008 19:1:



This folder structure has a big advantage. Every project is stored in its own folder and in own window of **Project management**. In this folder is possible to save any amount of switchboards. It is possible to use +, = and it is possible to add for example Autocad drawings and other documentary for example technical report. All in one folder!

It is good to realize that in **Project management** we don't make project but only single schemes of switchboards (so their projects).

We always open individual projects the same way which is described in article 1. by entering path to them in **Project databases**!

May 22.2008 Larin Croft LarinCroft@seznam.cz