



SIEMENS



Speed up 超越·无止境

S120 CBE20 si n a m i c s l i n k c o m m u n i c a t i o n

Unrestricted © SFAE 2015. All rights reserved.

S120 CBE20 1-4646139933

问题:

设备的项目已经调试完毕，后想实现两个装置同步运行，通过CBE20 实现Sinamics Link 通讯，但是插入CBE20设置完参数后发现，电机模块内没有P8870 P8871 P8872

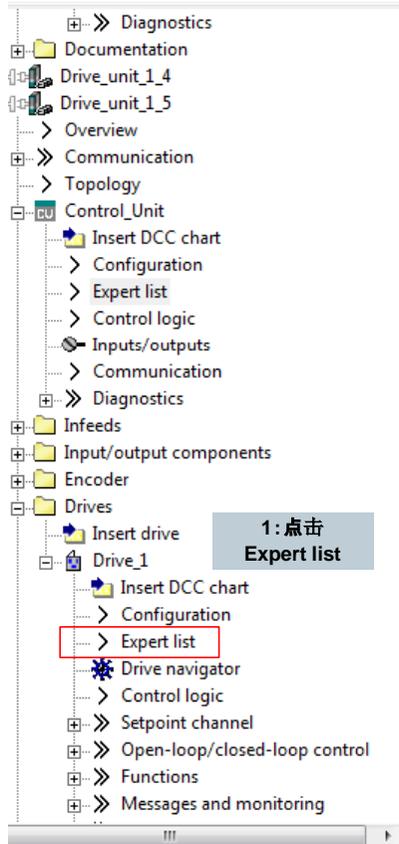
1022	r8850[0]	CO: IF2 PZD receive word, PZD 1	0H
1023	p8851[0]	CI: IF2 PZD send word, PZD 1	0
1024	r8853[0]	IF2 diagnostics PZD send, PZD 1	0H
1025	r8860[0]	CO: IF2 PZD receive double word, PZD 1 + 2	0H
1026	p8861[0]	CI: IF2 PZD send double word, PZD 1 + 2	0
1027	r8863[0]	IF2 diagnostics PZD send double word, PZD 1 + 2	0H
1028	r8867[0]	IF2 PZD maximum interconnected	0
1029	r8874[0]	IF2 diagnostics bus address PZD receive, PZD 1	65535
1030	r8875[0]	IF2 diagnostics telegram offset PZD receive, PZD 1	65535
1031	r8876[0]	IF2 diagnostics telegram offset PZD send, PZD 1	65535

	Parameter	Parameter text	Offline value Control_Unit
	All	All	All
1	p9	Device commissioning parameter filter	{0} Ready
2	p8835	CBE20 firmware selection	{3} SINAMICS Link
3	p8836	SINAMICS link node address	2
4			

951	p8861[0]	CI: IF2 PZD send double word, PZD 1 + 2	0
952	r8863[0]	IF2 diagnostics PZD send double word, PZD 1 + 2	0H
953	r8867[0]	IF2 PZD maximum interconnected	0
954	p8870[0]	SINAMICS Link PZD receive word, PZD 1	0
955	p8871[0]	SINAMICS Link PZD send word, PZD 1	0
956	p8872[0]	SINAMICS Link PZD receive address, PZD 1	0
957	r8874[0]	IF2 diagnostics bus address PZD receive, PZD 1	0
958	r8875[0]	IF2 diagnostics telegram offset PZD receive, PZD 1	0
959	r8876[0]	IF2 diagnostics telegram offset PZD send, PZD 1	0

Solution

首先保存原项目信息



2: 点击 comparison

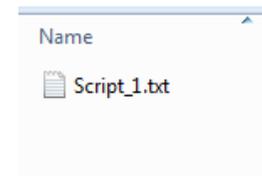
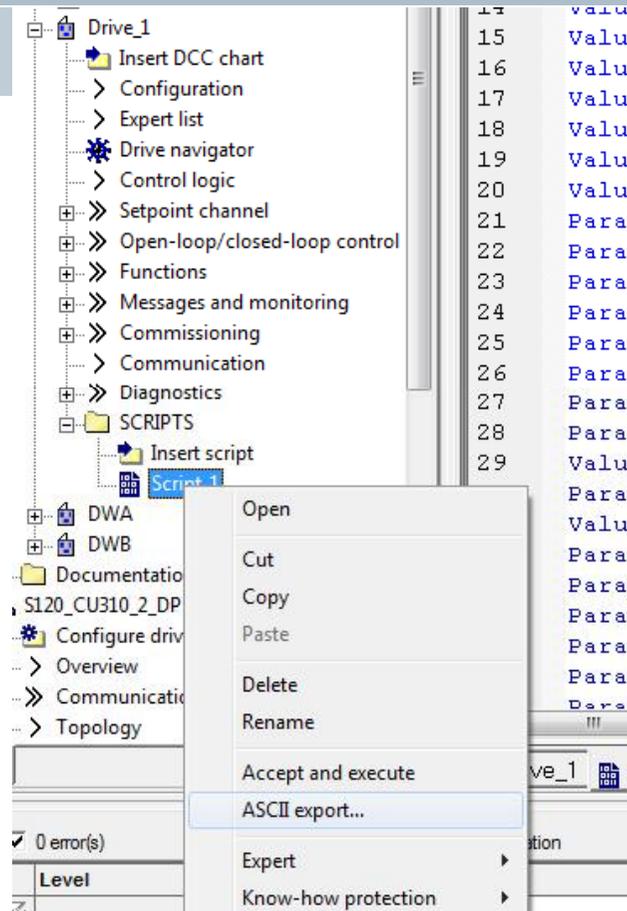
3: 勾选, 进行比较并保存比较结果

4: 保存为脚本格式

Param...	Data	Parameter text	Drive_unit_1_5.Drive_1	Drive_unit_1_5.Drive_1_Factory_setting	Unit
906	#5389	CO/BO: Mot_temp status word faults/alarms	0H		
907	#6267	Motor module phase shift, second system	0H		
938	#6670[0]	VSM offset voltage u			
939	#6671[0]	VSM offset voltage u			
940	#6963[0]	Voltage actual value			
941	#7769	Write protection/know			
942	#7763	KHP DEM exception li			
943	#7764[0]	KHP DEM exception li			
944	#7770	NVRAM action			
945	#8837	F2 STW1_10 = 0 anode			
946	#8844	F2 fault delay			
947	#8859[0]	CO: F2 PZD receive v			
948	#8851[0]	CI F2 PZD send word			
949	#8853[0]	F2 diagnostics PZD s			
960	#8869[0]	CO: F2 PZD receive c			
951	#8861[0]	CI F2 PZD send doub			
952	#8863[0]	F2 diagnostics PZD s			
953	#8867[0]	F2 PZD maximum sta			
954	#8870[0]				
955	#8871[0]				
956	#8872[0]				
957	#8874[0]				
958	#8875[0]				
959	#8878[0]				
960	#8880[0]				
961	#8881[0]				
962	#8883[0]				
963	#8885[0]				
964	#8884[0]				
965	#8886[0]				

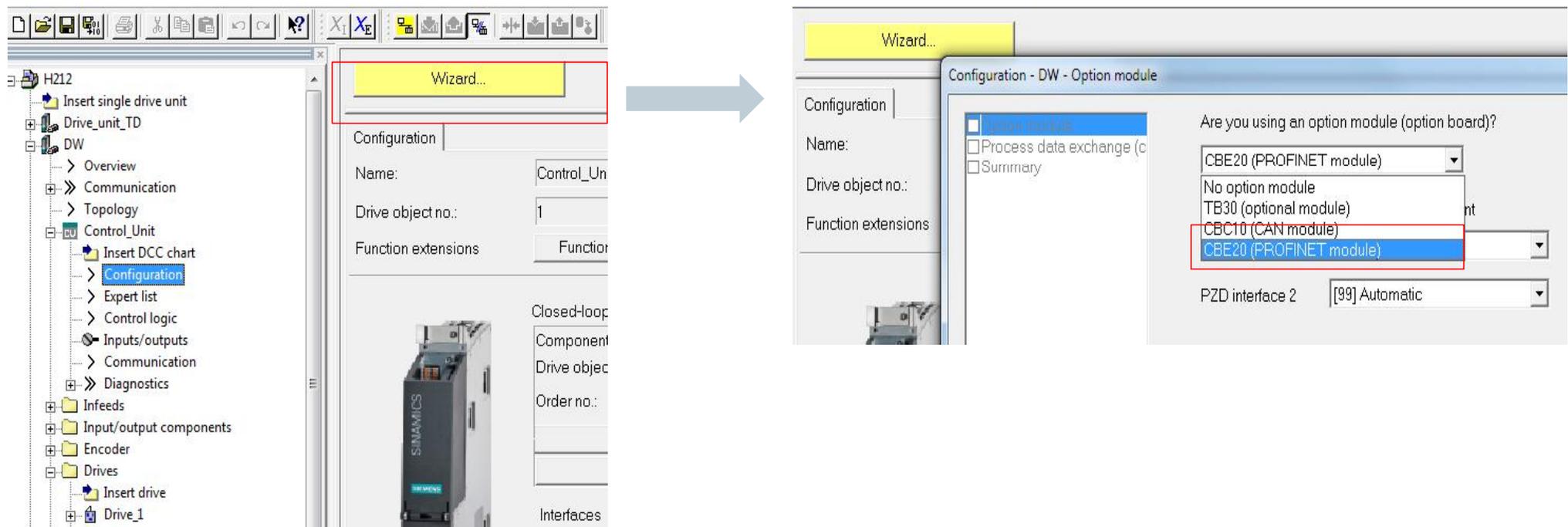
备份参数

将脚本文件保存为本地文件



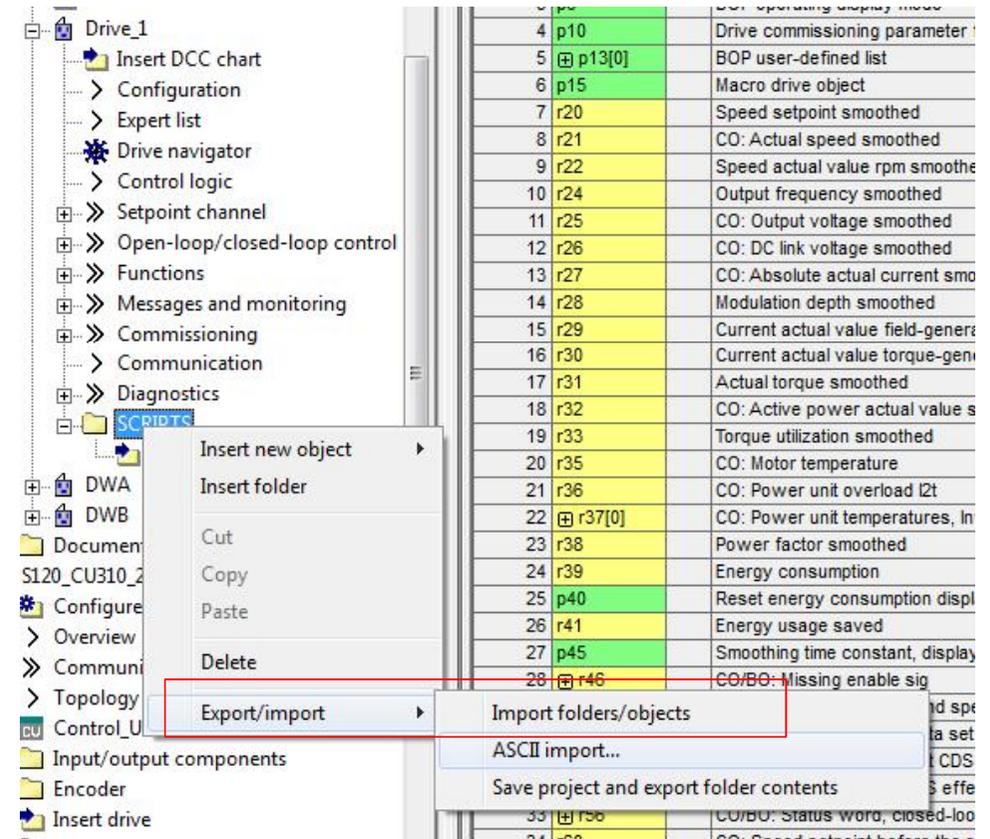
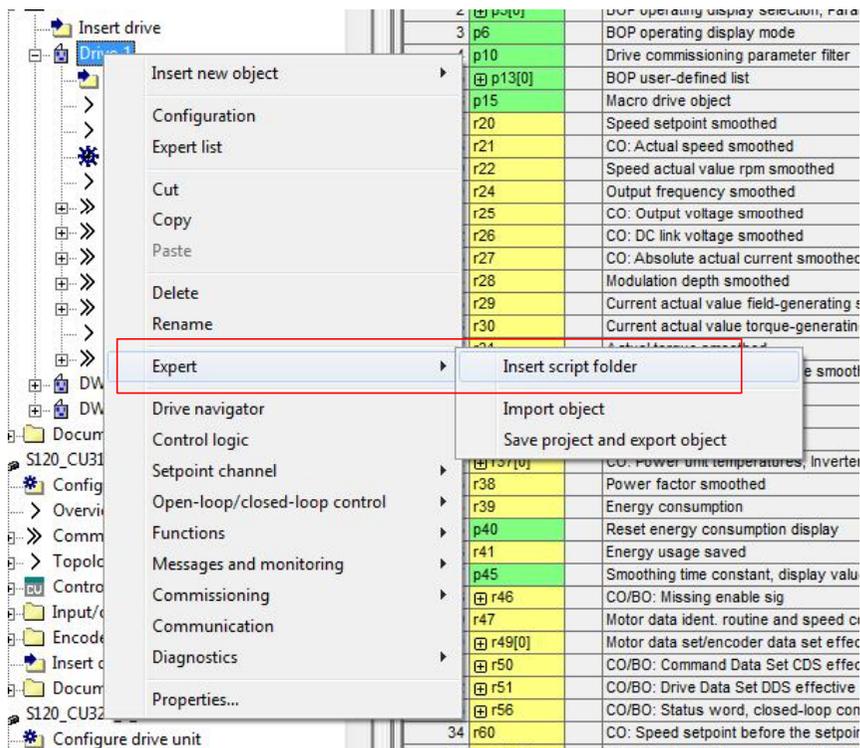
再原项目中插入CBE20

- 1: 选择项目文件的CU
- 2: 配置CU 并选择CBE20
- 3: 配置完成后保存编译项目



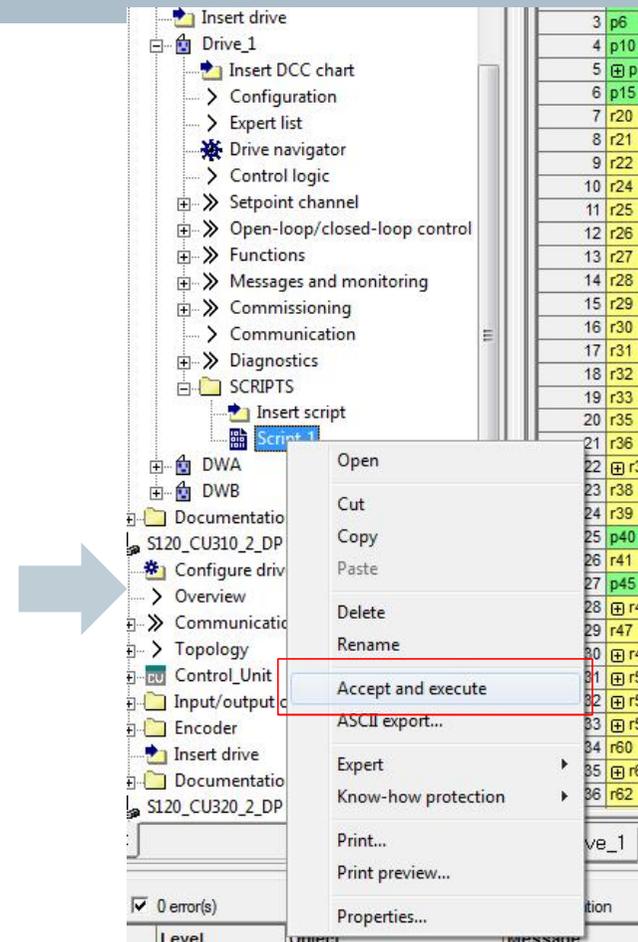
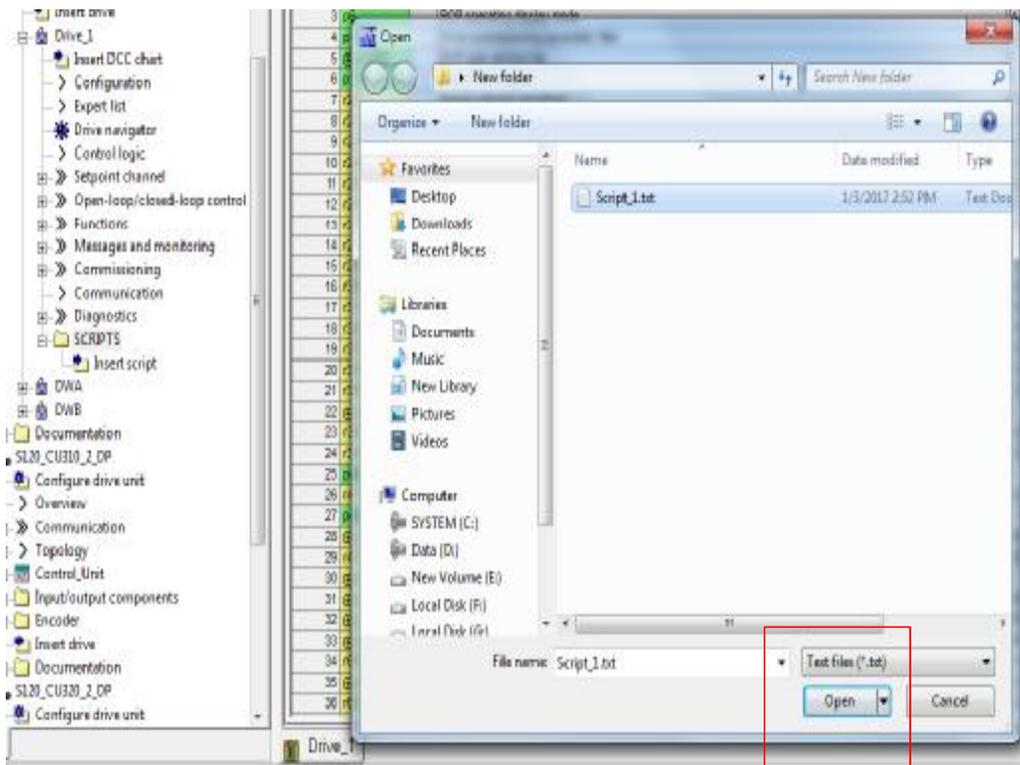
导入脚本文件

- 1: 将原驱动删除并插入一个与其相同的驱动
- 2: 插入脚本文件夹
- 3: 导入之前保存的脚本文件



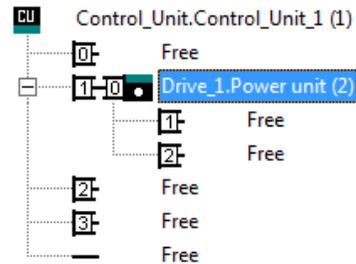
导入脚本文件

接受并执行脚本文件

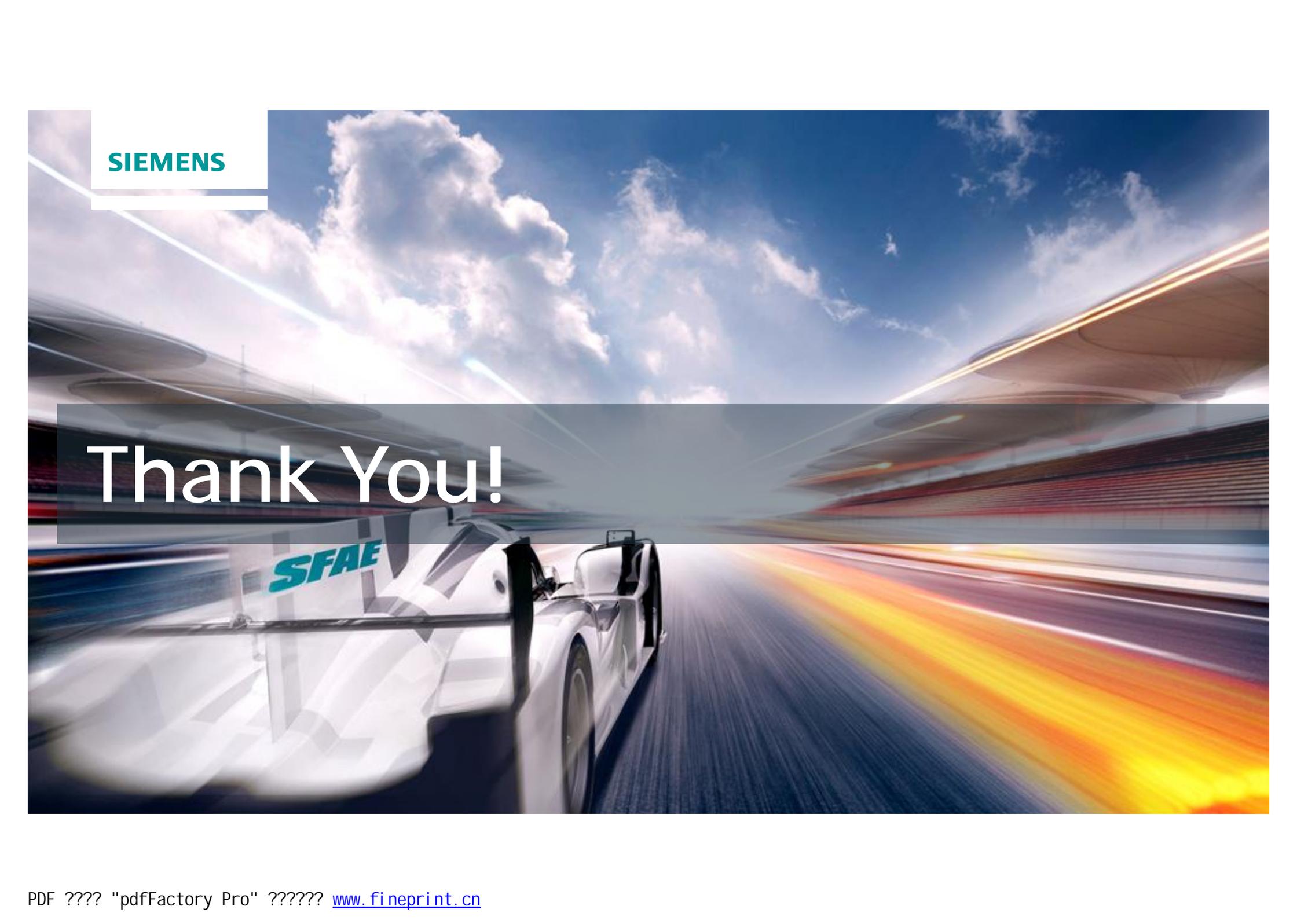


检查拓扑结构

- 1: 检查拓扑结构与原项目是否相同，并查看P8870-P8872参数是否存在。
- 2: 如果有类似多个驱动需要做SINAMICS LINK通讯，步骤与上相同。



951	p8861[0]	CI: IF2 PZD send double word, PZD 1 + 2	0
952	r8863[0]	IF2 diagnostics PZD send double word, PZD 1 + 2	0H
953	r8867[0]	IF2 PZD maximum interconnected	0
954	p8870[0]	SINAMICS Link PZD receive word, PZD 1	0
955	p8871[0]	SINAMICS Link PZD send word, PZD 1	0
956	p8872[0]	SINAMICS Link PZD receive address, PZD 1	0
957	r8874[0]	IF2 diagnostics bus address PZD receive, PZD 1	0
958	r8875[0]	IF2 diagnostics telegram offset PZD receive, PZD 1	0
959	r8876[0]	IF2 diagnostics telegram offset PZD send, PZD 1	0



SIEMENS

Thank You!