

2022

	1
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	2
	2
	4
	4
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	4
	6
	6
	10
	10
	14
	17
	18
	18
	18
	19
1	20
2	21

460306

3

1

()	()	()	()		
46	4603	1. 34 2. 38	1. [REDACTED] 2-02-11-0 1 [REDACTED] 2. 2-02-11-0 2 3. 2-02-11-0 3 4. 2-02-07-0 7	1. [REDACTED] 2. 3.	1. [REDACTED] 2.

1.

1

2

3

4

5

2.

1

2

3

4

5

本课程实现的目标

本课程实现的目标

6

7

PLC

PLC

CPU I/O

PLC

8

9

10

11

12

13

14

3.

1

2

3

4

5

6

7

8

PLC

PLC

9

10

11

本课程实现的目标

12

1.

2.

1.

7

					PLC PLC
3			64	4	
4			64	4	
5			64	4	
6			64	4	
7			64	4	

--	--	--	--	--	--

11

64 52 12

4

4/16W

6

1		
2		1 2 3 4
3		1 2 3
4		1 2
5		1 2

7

	1			32	2	3	
				32	2	3	
				32	2	3	
	2				32	2	2
					32	2	2
					32	2	2
	3				64	4	1 2
					64	4	1 2
					32	2	1
					32	2	2
					32	2	2
	4				32	2	1
				48	3	5	
				48	3	5	
				48	3	5	
5			DCS	32	2	5	

9

			32	2	5
			32	2	5
			32	2	5
	6		32	2	5
			32	2	5
			32	2	5
	7		32	2	5
			32	2	5
			32	2	5

8

		602	268
		128	0
		730	268
		1012	286
		192	0
		1204	286
		168	168
		28	28
		672	672
		84	84
		952	952
		2886	1506
1.	2886	=1380	1506
2.	730	25.2 %	
3.	320	11.1 %	
			52.0 %

1.

11 1

100%

"

"

"

"

2

5

6

3.

4.



5

9

9

	9			
	2	5	6	1
	2	5	6	1
CAD	2			1

		5	6	
	1	5	6	
	2	6	5	
	2	6	5	1
	1	6	5	
PLC	2		PLC	

		6 5		
	2	6 5	1	
	2	6 5		
	1	6 5	1	
	1	6 5	1	
	2			

		6	5	
	1			1
		6	5	

1.

2.

1

170M³

1 /

1 /

1

12

6

2

2

100M³

1 /

1 /

8

6

8

3

100M³

10

1

1

1

1 SMT

1

4

100M³

1 /

1 /

1 /

12

5 PLC

100M³

1 /

1 /

1 /

16

PLC

6

100M³

1 /

1 /

1 /

TSKM²

12

12

7

100M³

1 /

1 /

1 /

DDSZ-1

12

6

8

100M³

1 /

1 /

1 /

40

WiFi

9

100M³

1

,

10

100M³

11

300M³

12

160M³

30

30

RobotArt

RobotStudi o

"

"

80

13 KEBA

100M³

30

KEBA

30

14

100M =

ABB

15

100M

WFi

3

5

1



2

2



2

3



2

4



2

5



2

PLC

4

7

1

40

2



3.

1.

1
40
2
3
4

2.

1.

70%



60

30%

1+X

70%

30%

2.

3.

1.

10

2.

3.

10

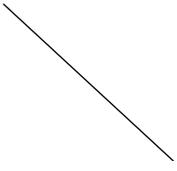
31

8

63.5

.

1



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

2

20 -- 20

		/			