



新华 XDC800 控制系统

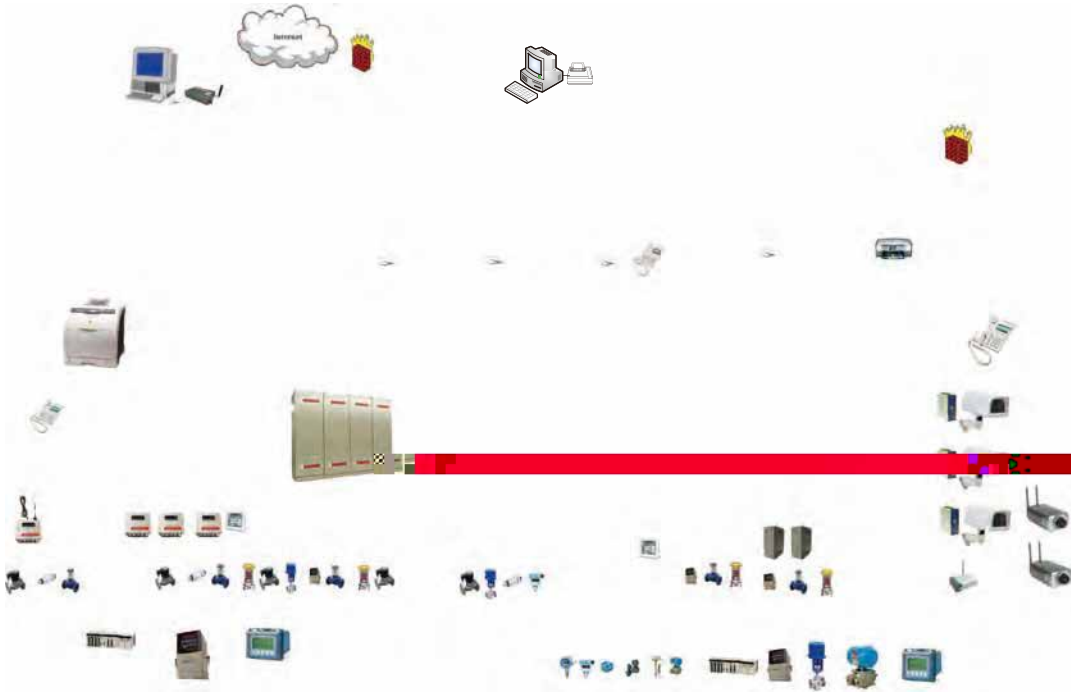


968
200241
021-64847787
021-34292618-226
021-34292618-369
021-34292618-211
24 021-34292278
xhg@xinhuagroup.com
<http://www.xinhuagroup.com>
2018 10

1. 概述



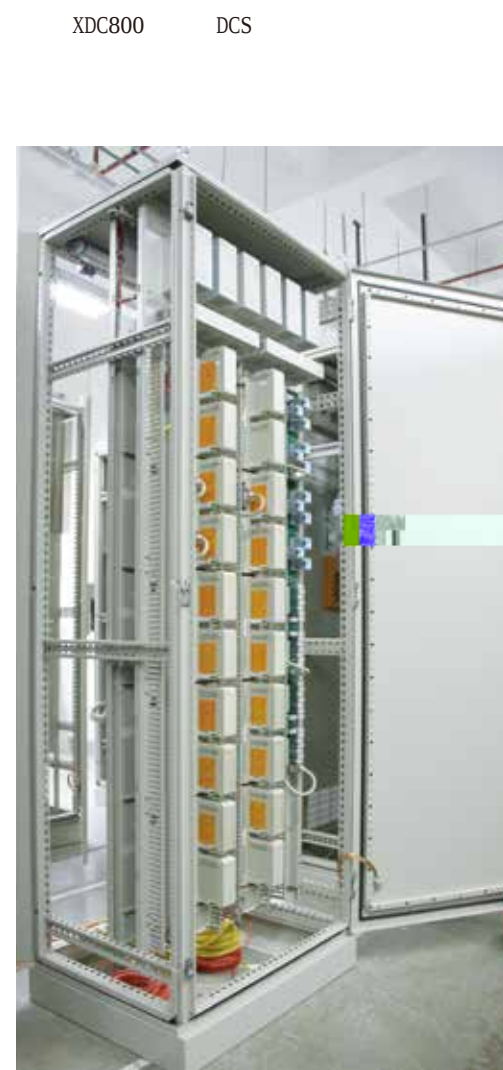
XDC800系统特点:



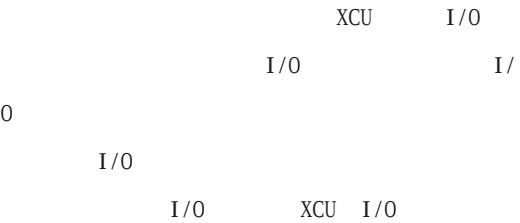


2、XDC800硬件系统

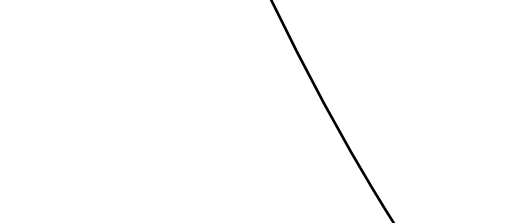
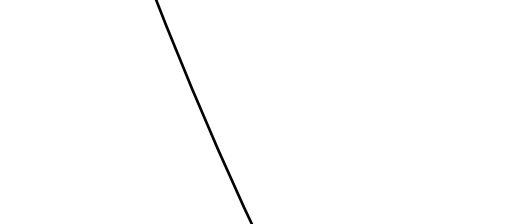
2.1 XDC800硬件系统的配置



2.1.1



2.2 XDC800



直观、简洁的可视化图形组态工具

IEC61131-3

多任务的操作系统

在线组态、仿真

XCU

强大的功能模块

XCU

上电自恢复

XCU

带电插拔

XCU

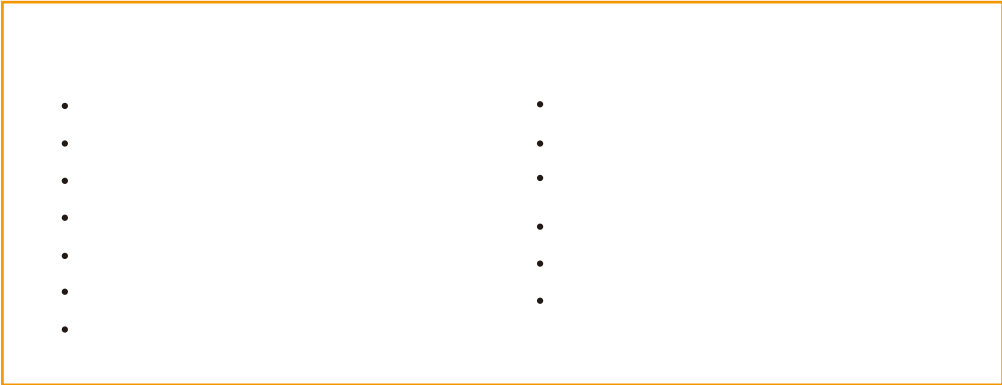
(2)控制器XCU的功能

XCU

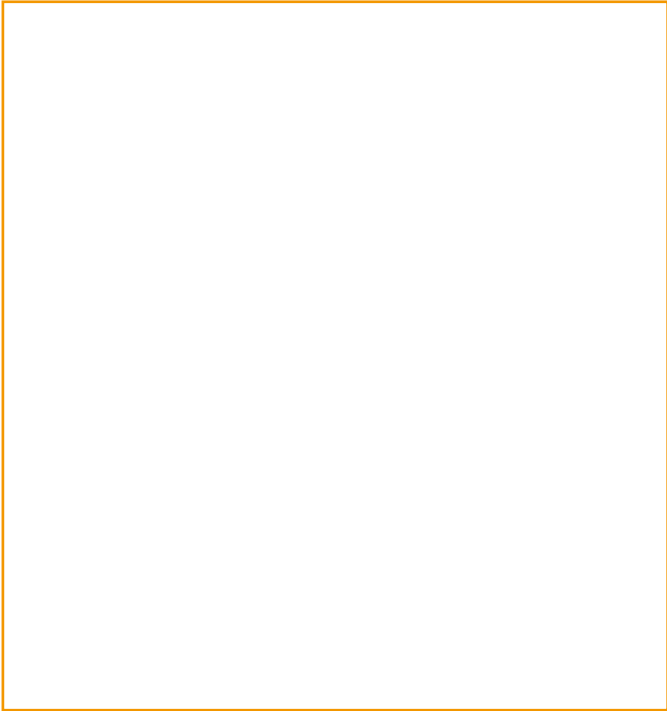
XCU

CPU 256MB RAM 128MB CF

1		XCU-net	4
2		XCU-485	2 2 485
3		XCU-DP	2 1 Profibus



XCU-net

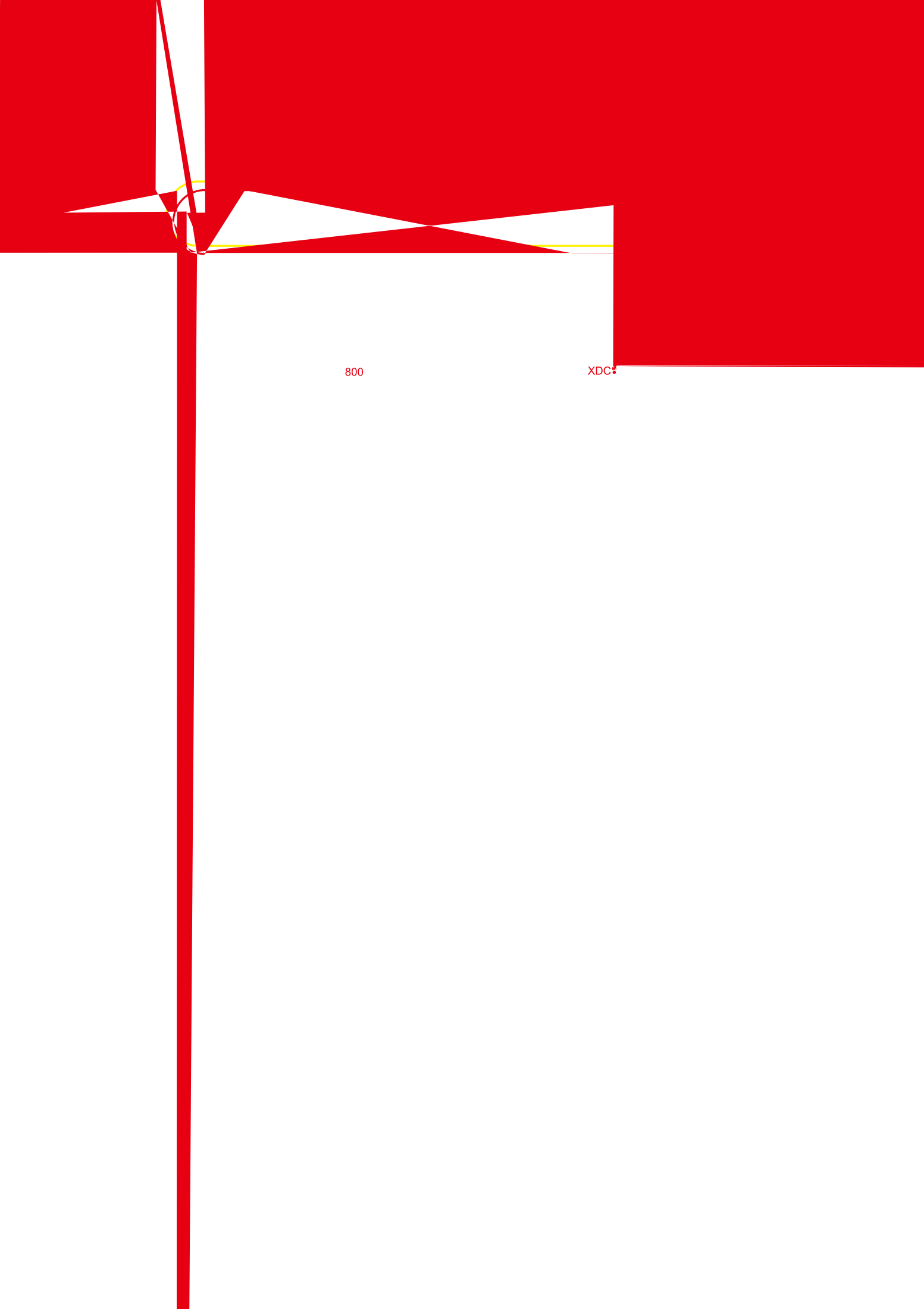


CE/EMC, FCC, TÜV

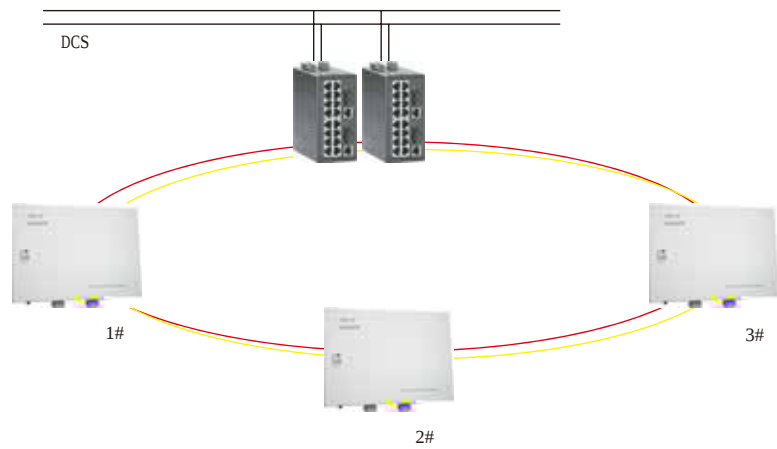
1		xL	
2			
3			
4			
8			



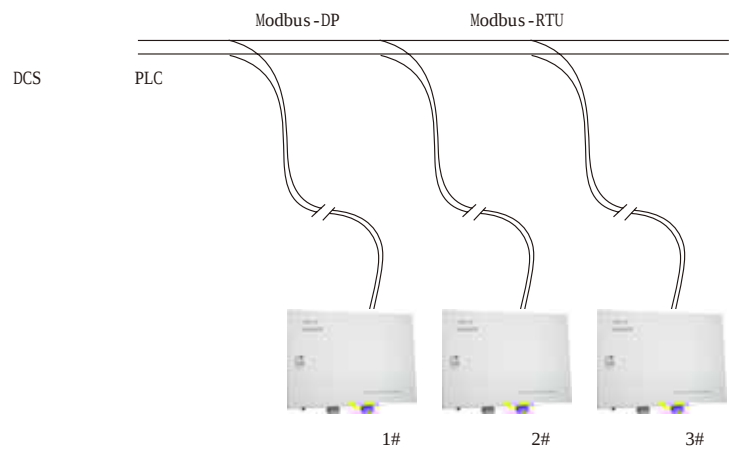
	□	□	□
1			



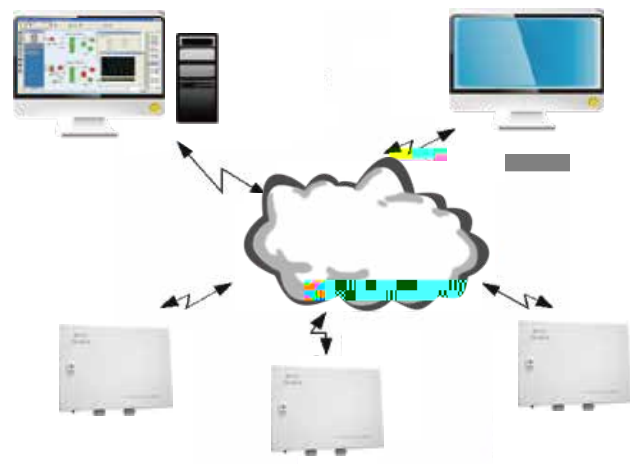
(3) 冗余虚拟环形以太网



(4) 现场总线



(5) 无线通讯



3.2.3 数字化远程I/O机箱

XDC800	I/O	I/O
		I/O
I/O	I/O	
(× × mm):		
500 × 600 × 210		
650 × 500 × 210		

XDC800数字化远程I/O的远程控制站采用XDC800的同一系列I/O卡件，达到IP65防护等级，就近布置于现场，组成DCS系统中一个完整的FCS远程控制站。



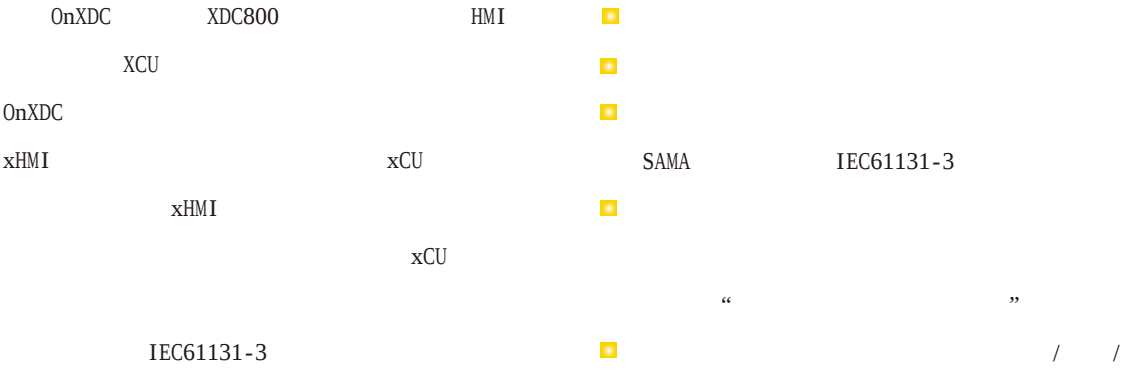
3.2.4 智能前端数据采集器XIDCT-01

XIDCT-01	20
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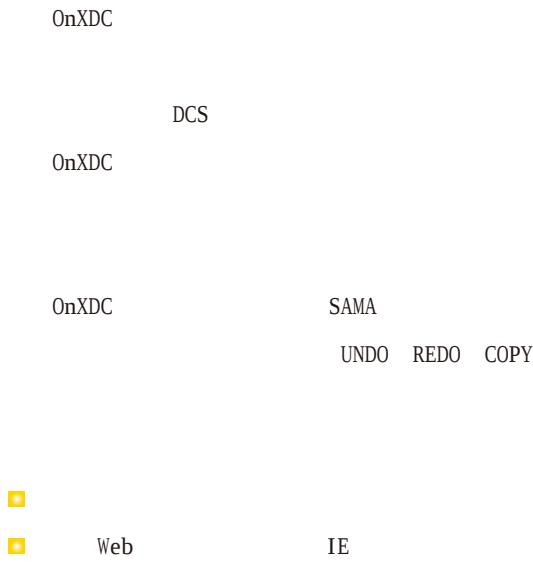
XIDCT-01主要特性



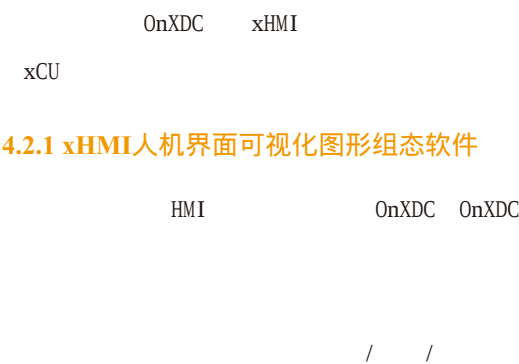
4 XDC800 OnXDC



4.1



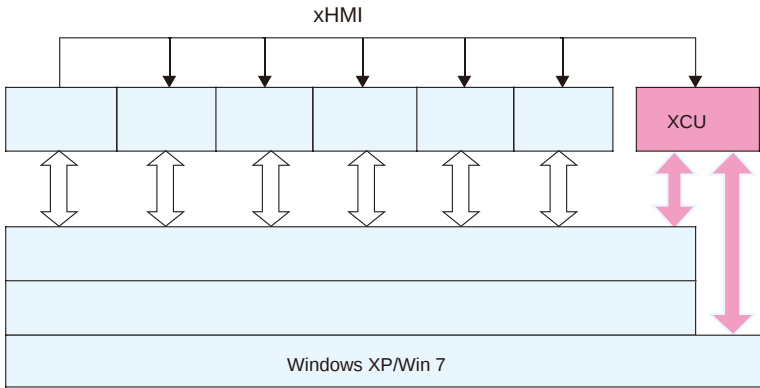
4.2



4.2.1 xHMI人机界面可视化图形组态软件



HMI



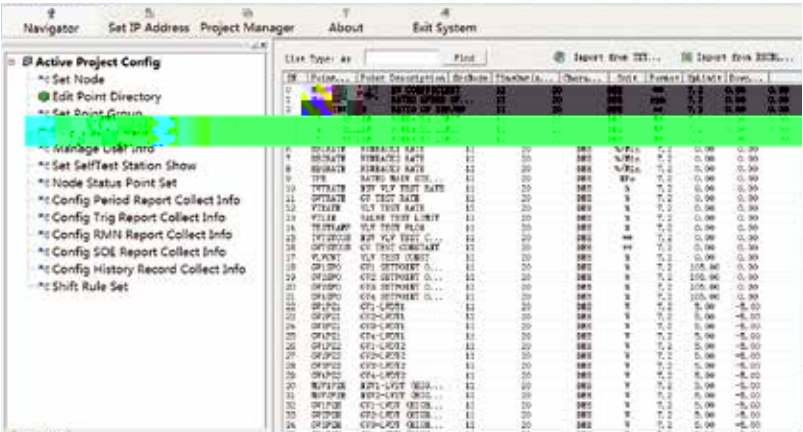
实时数据库接口 对实时数据库进行管理。

XDC

(1) 方便灵活的系统配置

OnXDC HMI IP

< >



(2) 丰富的图像生成

Windows XP

Win7

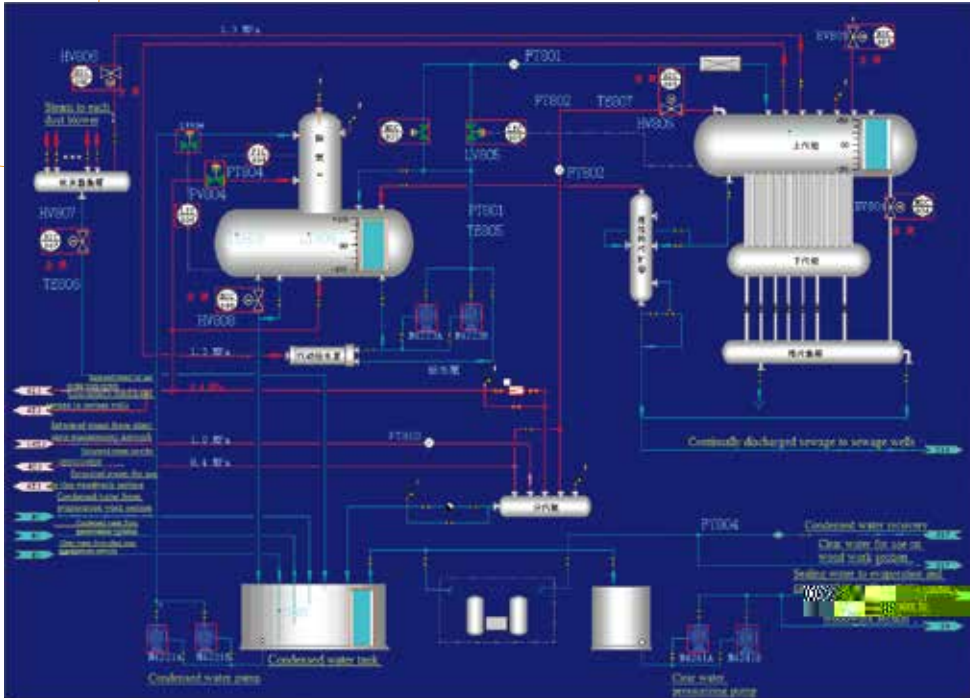
Windows

Windows 2000

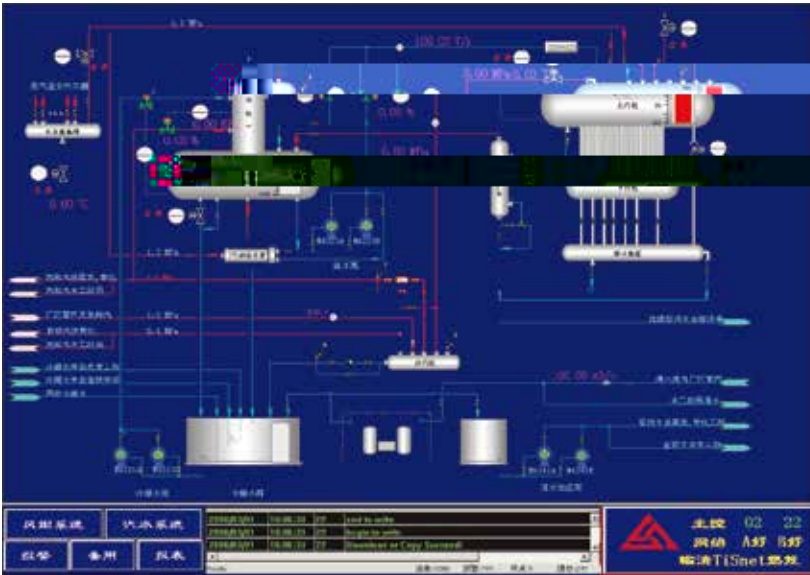
(3) 生动美观的图片

HMI
HMI

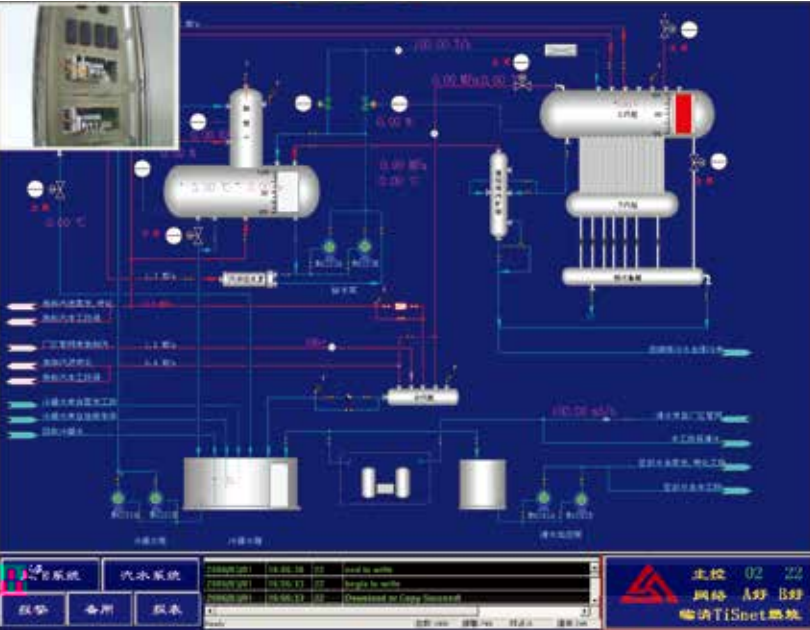
(SHOW)



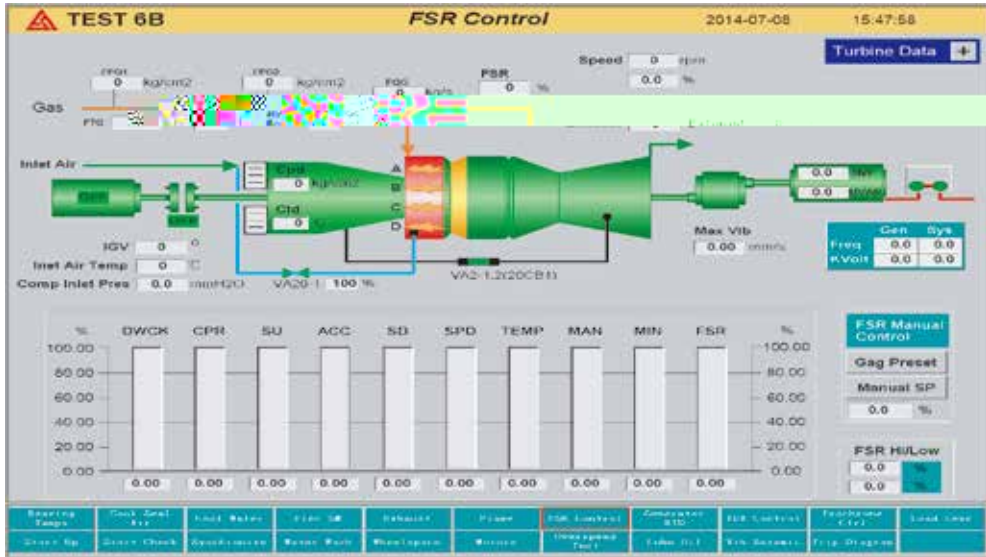
IE浏览器方式显示画面



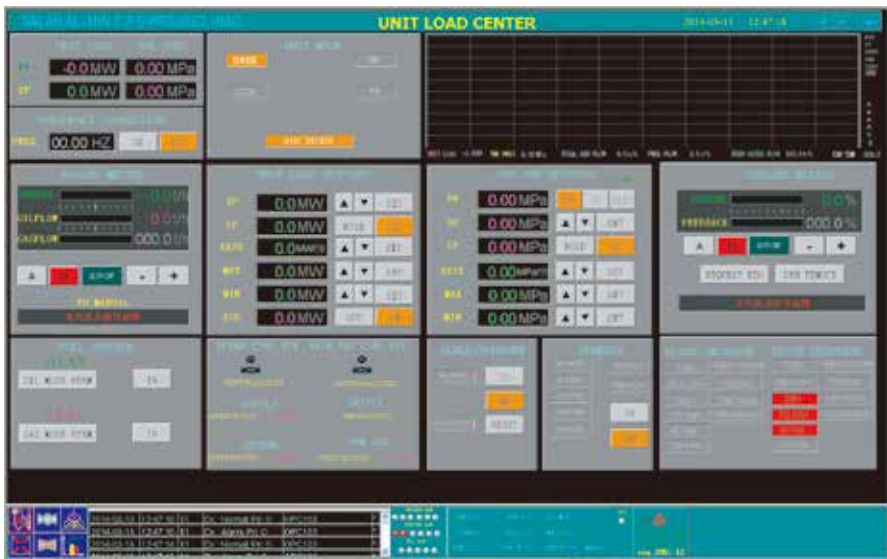
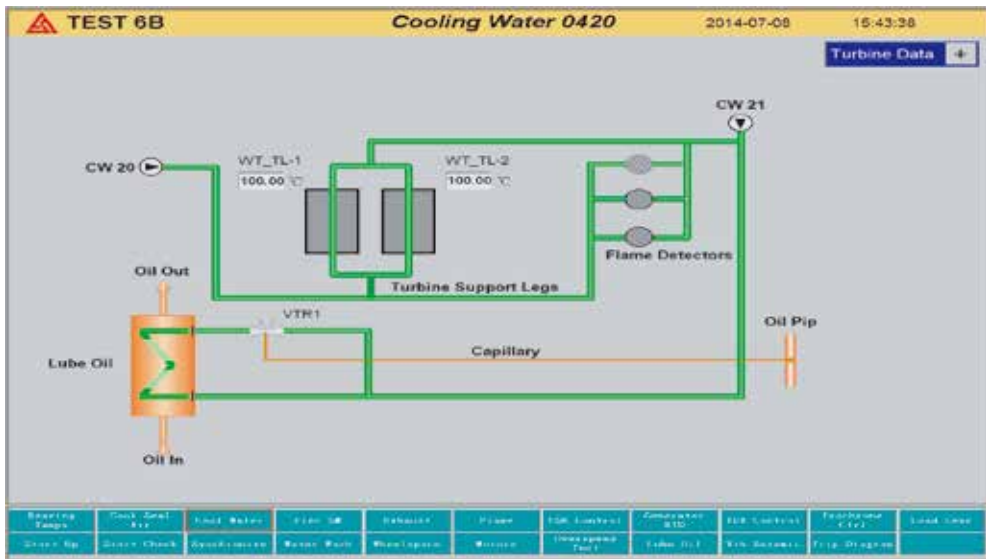
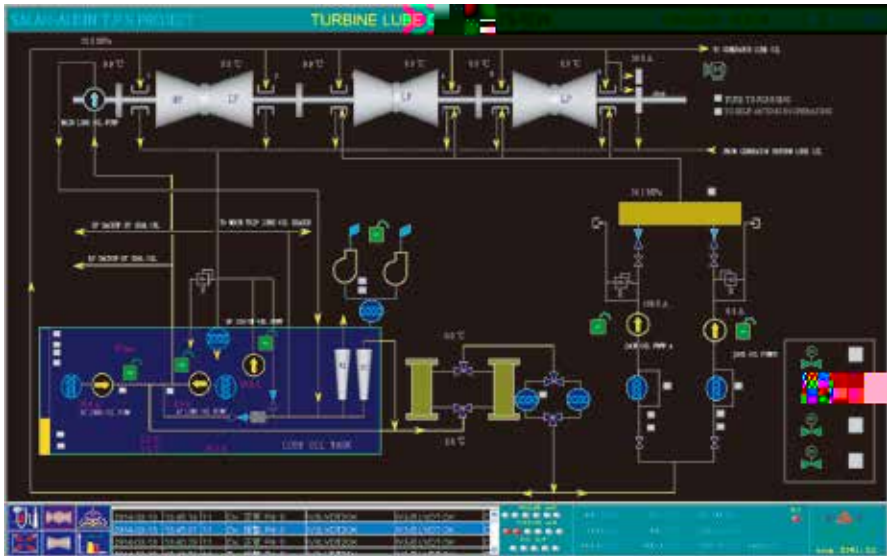
视频信号监控显示画面



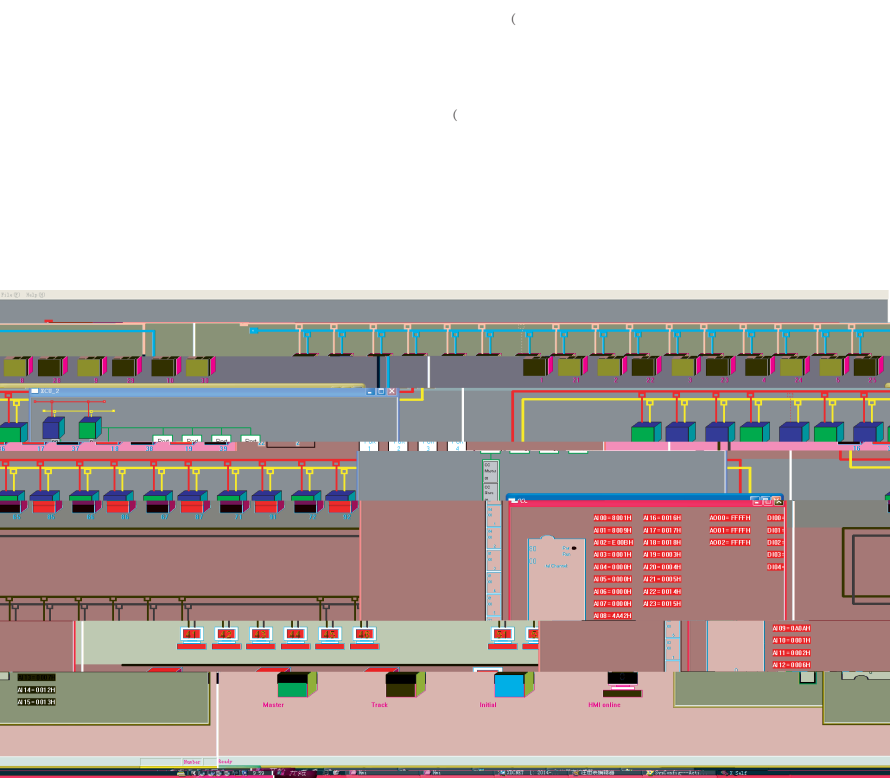
生产过程显示画面（例1）



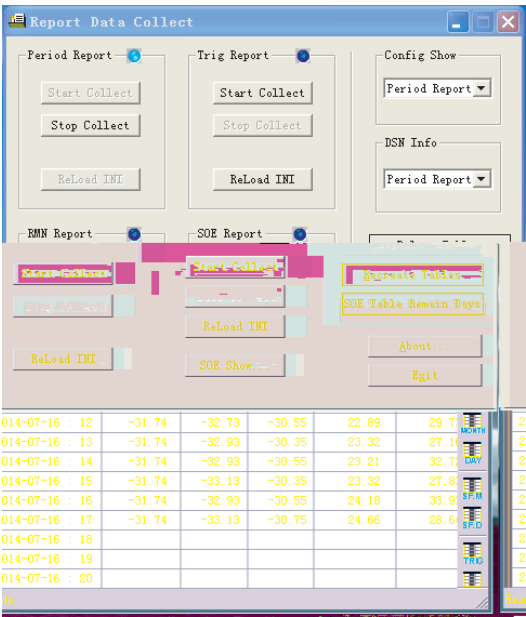
生产过程显示画面（例2）



(4) 强大的在线自检诊断工具

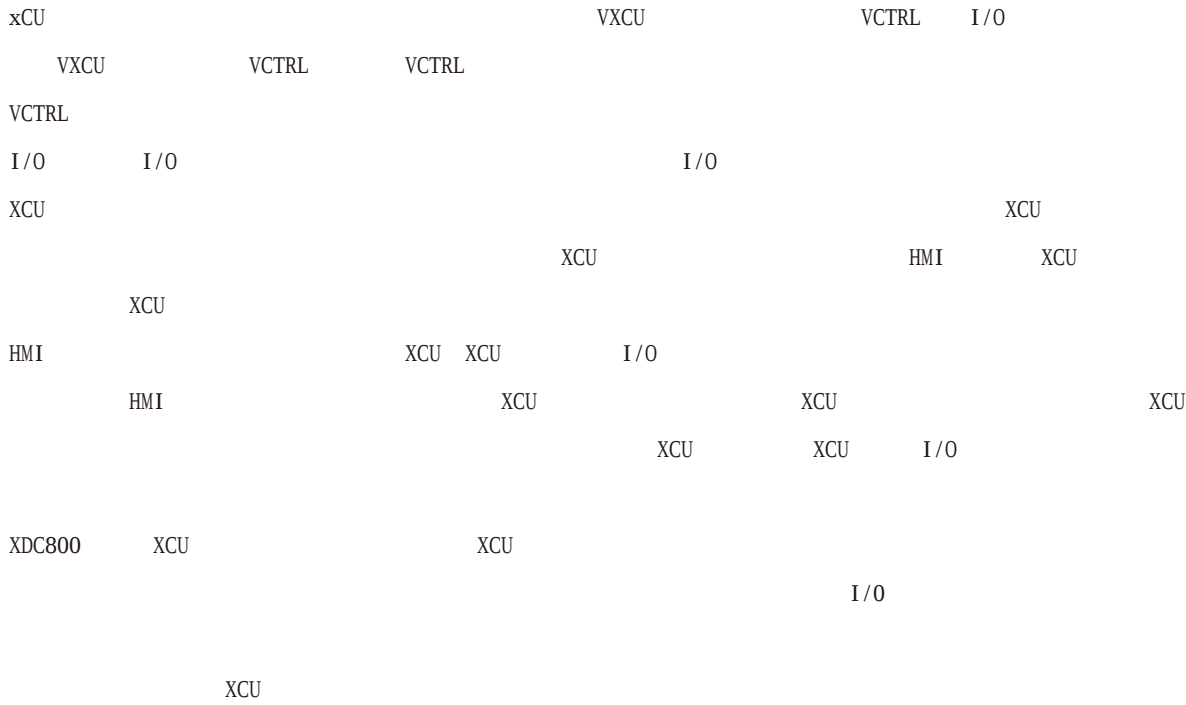


(5) 灵活多样的报表数据收集与显示



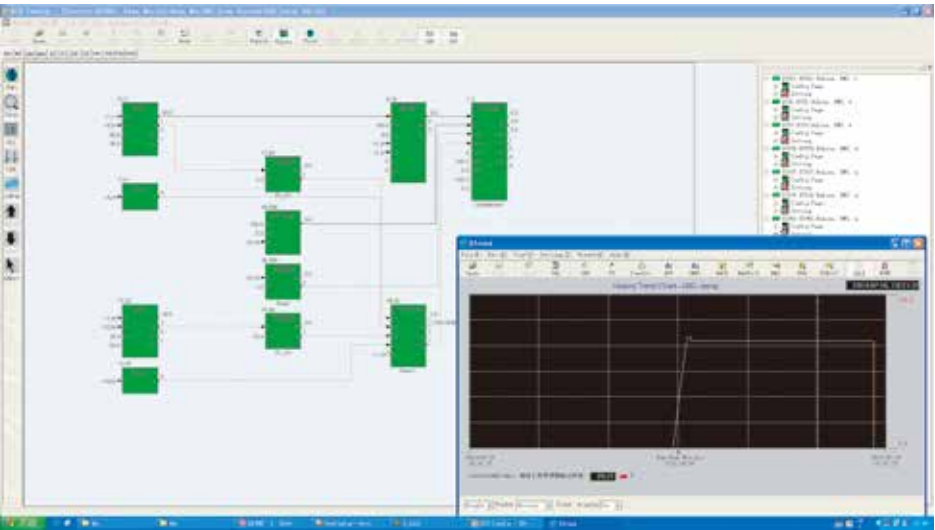
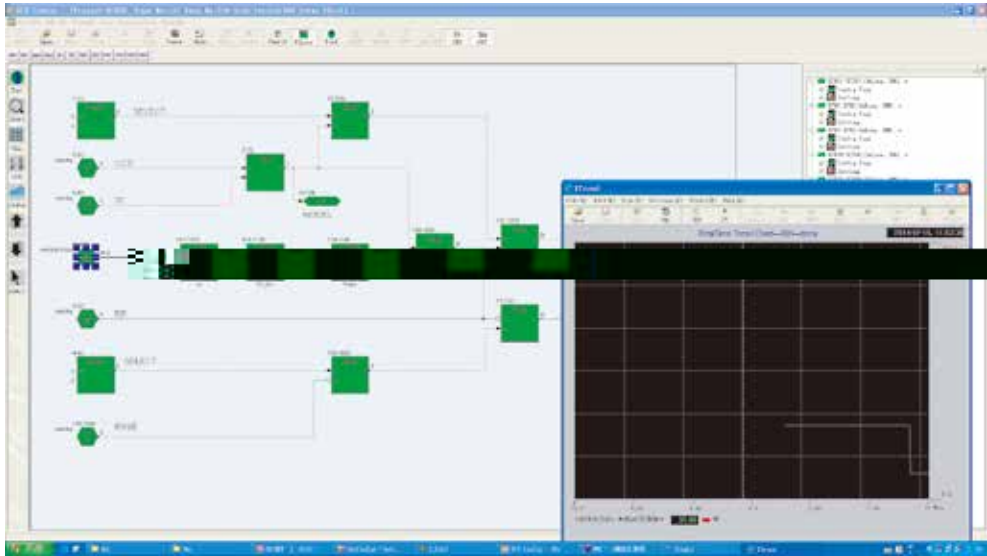
4.2.2 xCU控制策略图形组态软件

XDC800 xCU
XDC800



IEC61131-3

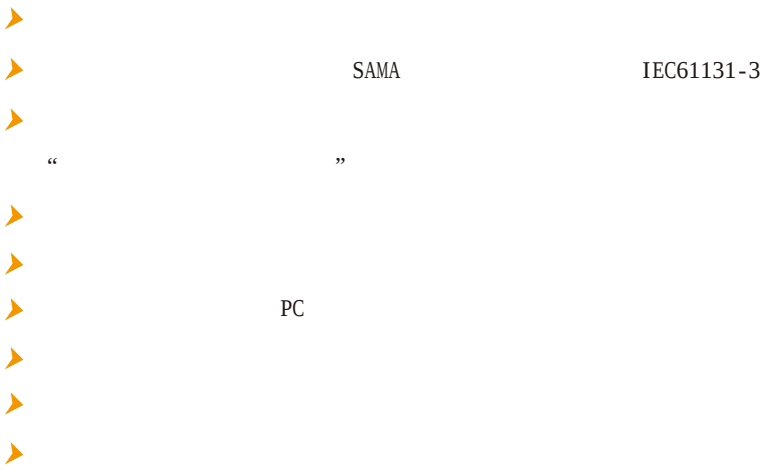
CU控制器控制策略组态过程如下图所示：



5、XDC800软件系

5.1 软件系统特点

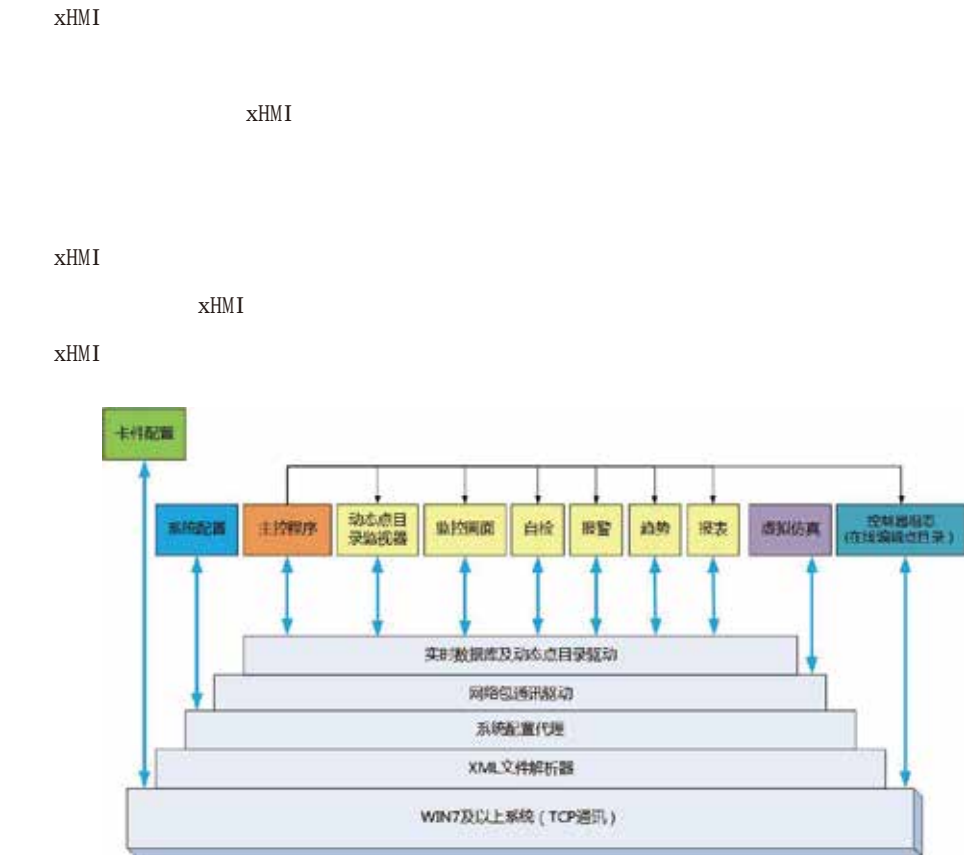
- -
 -
 - HMI
 - HMI
 - NTP
 - iCAN
- OFFICE 2007 10ms



5.2 软件系统组成

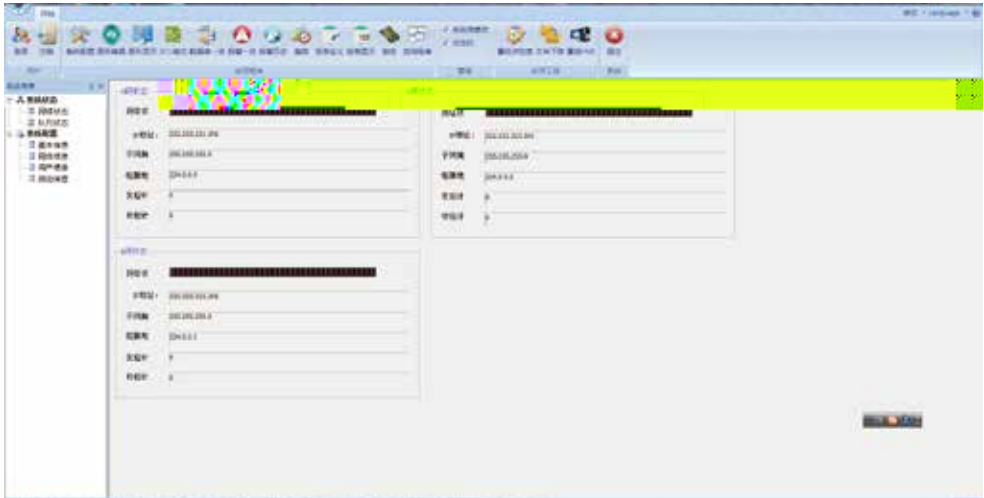
- iCAN
- xHMI
 - xCU

5.2.1 xHMI可视化人机界面组态软件包



■ 主控界面

- OFFICE



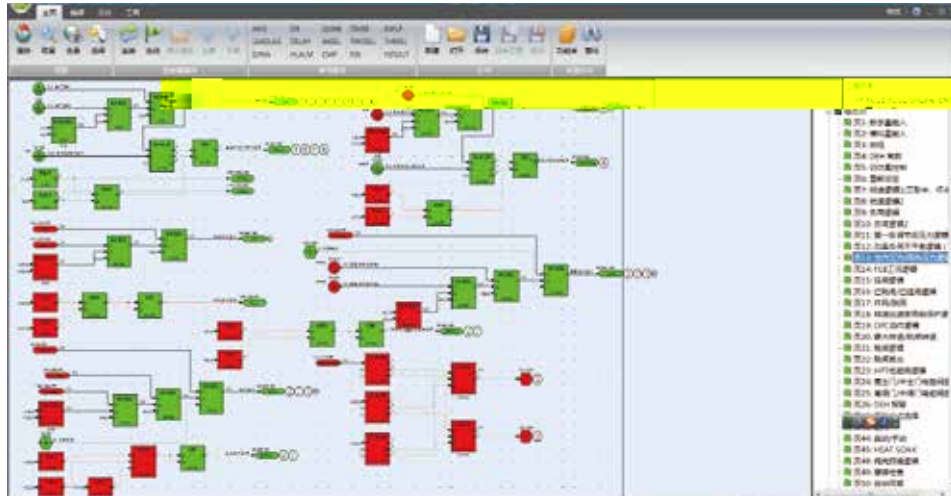
■ 系统配置信息

- XML
- IP
- Web



逻辑组态

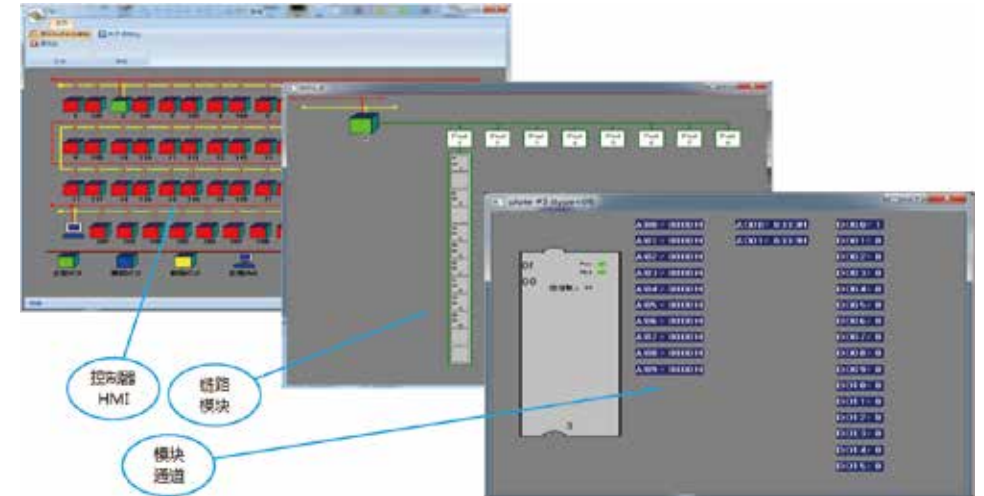
IEC61131-3



态点目录监视器

[illegible]

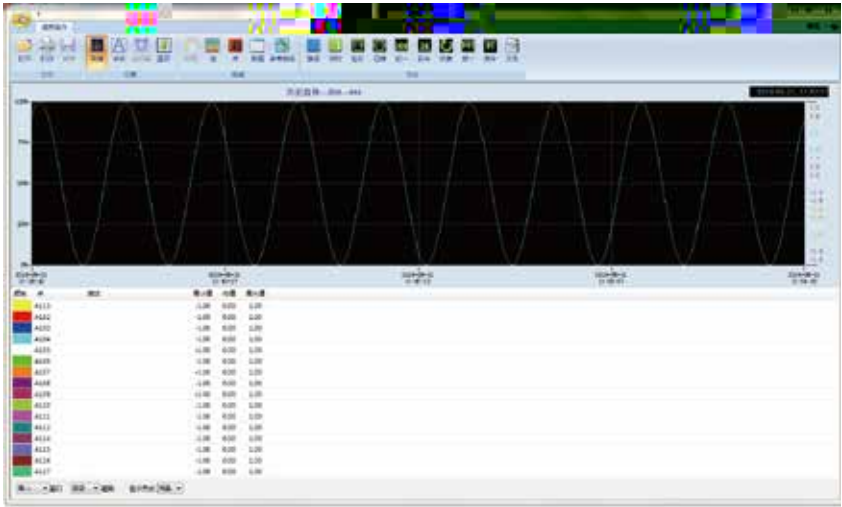
■ 自检程序



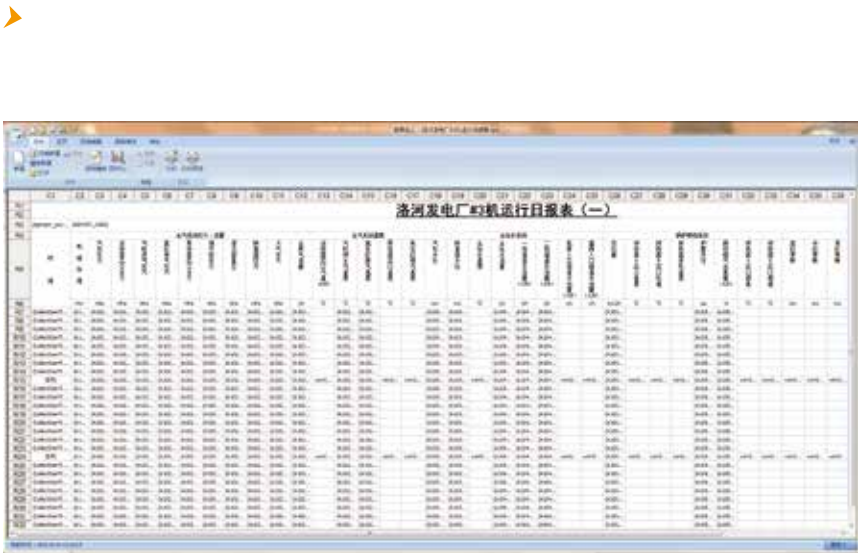
■ 报警一览

■ 趋势

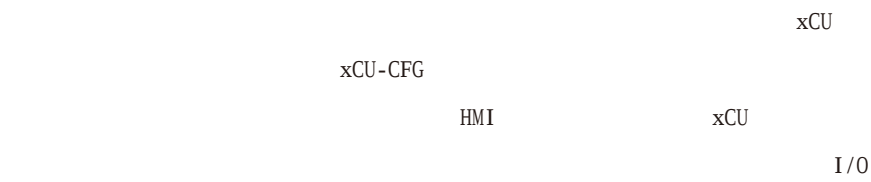
-
-
- 16
-



■ 报表

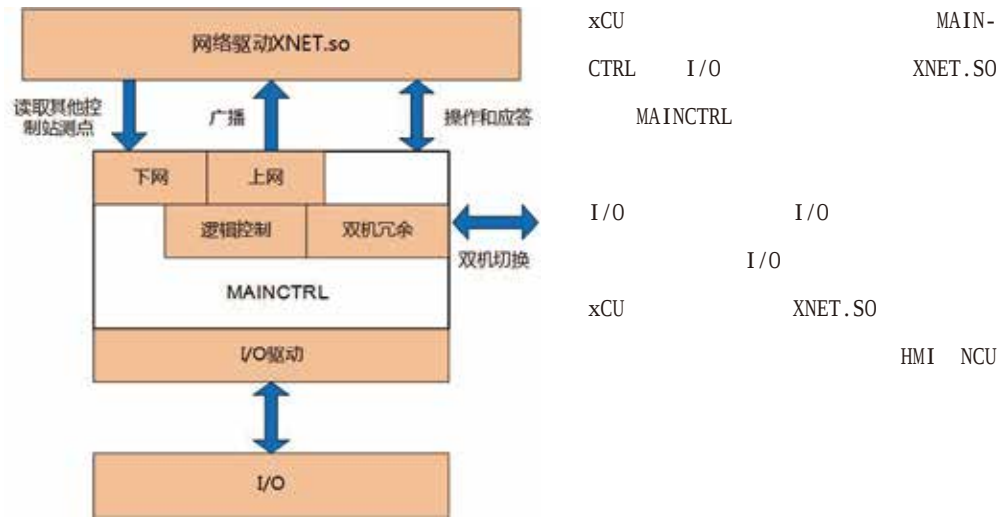


5.2.2 xCU图形化控制策略组态软件



-
-
-
-
-
-
- SAMA
-

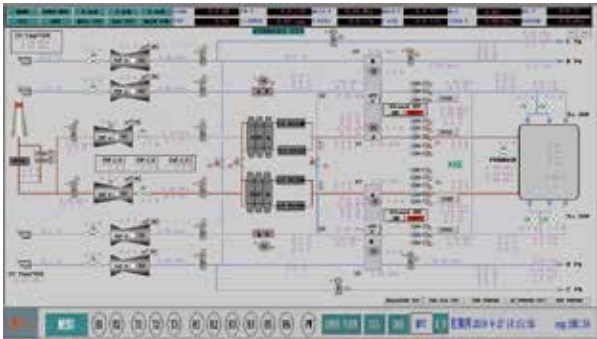
xCU



华能山东如意巴基斯坦萨希瓦尔2×660MW新建项目

- “ ”
- 660MW
- 2017

- XCU 30 , HMI12 , 62 , 11000
- XCU 5 , 4 , 11 , 1600
- XCU 35 , HMI22 , 56 , 12000
- 156 , XCU 1 , 2500



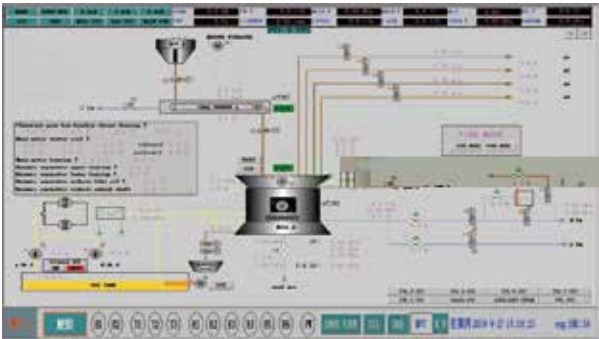
锅炉风烟系统



发货仪式



现场验收仪式



锅炉制粉系统

7、应用业绩

应用业绩5757套（截止到2018年6月）

:	4074
:	451
	77
:	379
:	109
:	65
:	104
:	498
合计: 5757套	