工业互联网产业联盟
Alliance of Industrial Internet

工业数据采集产业研究报告

工业互联网产业联盟
2018年9月

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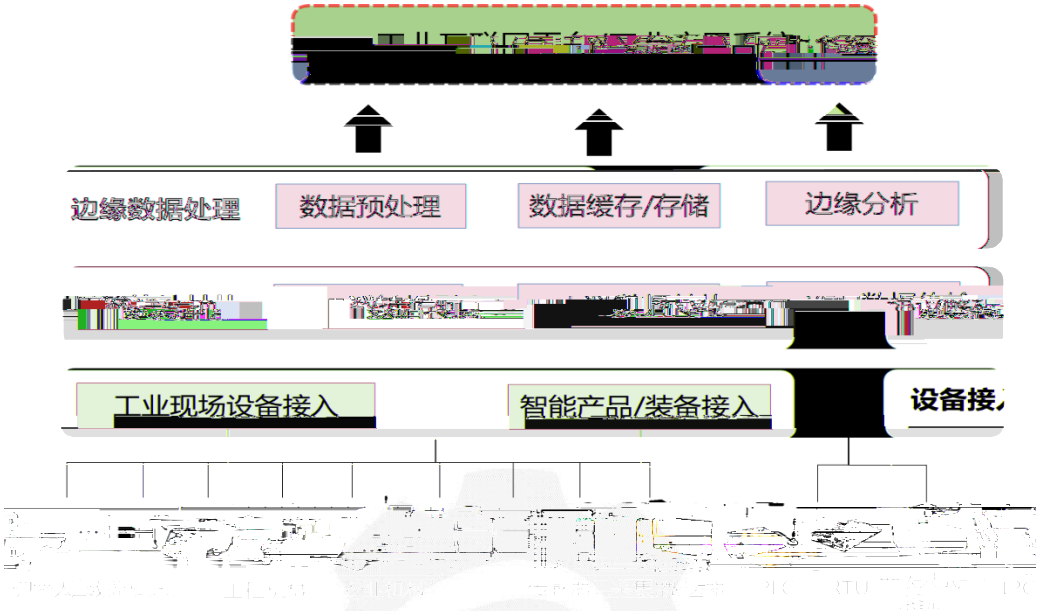

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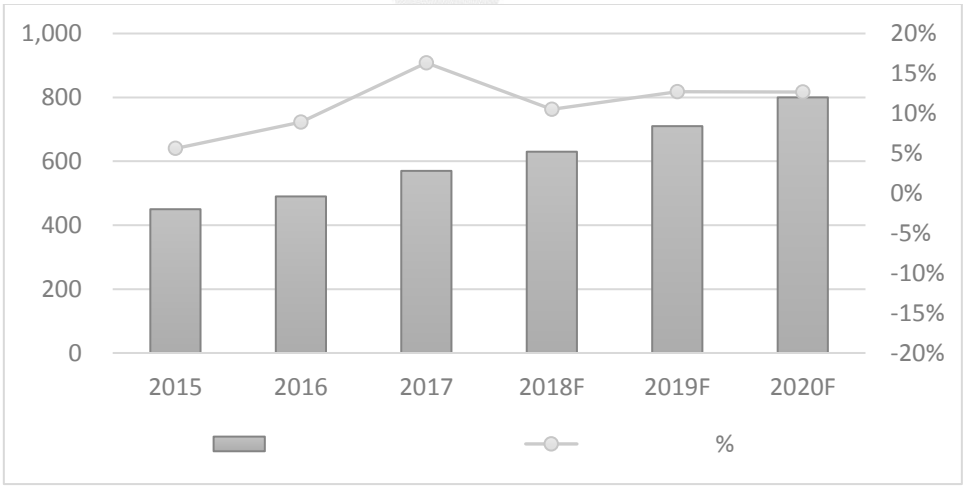
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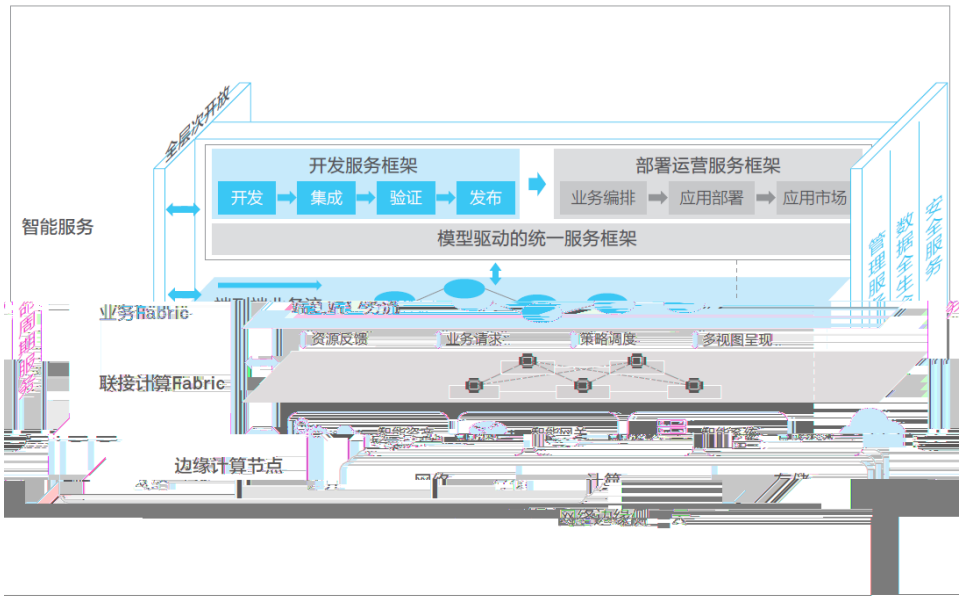

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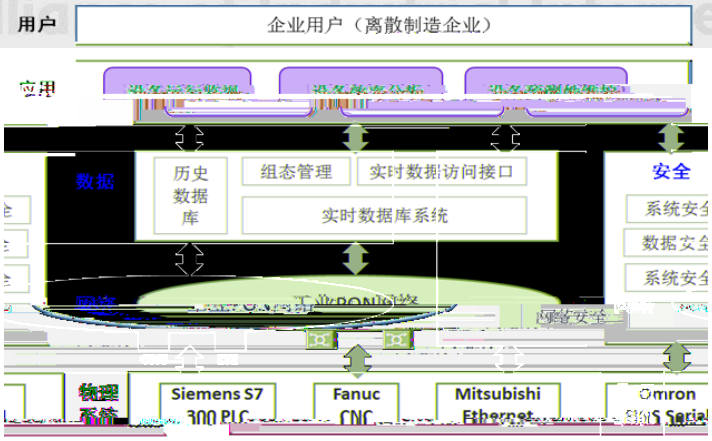
用户
企业用户（离散制造企业）
应用
数据
历史数据库
组态管理
实时数据访问接口
实时数据库系统
安全
系统安全
数据安全
系统安全
网络安全
物理
Siemens S7
300 PLC
Fanuc
CNC
Mitsubishi
Ethernet
Omron

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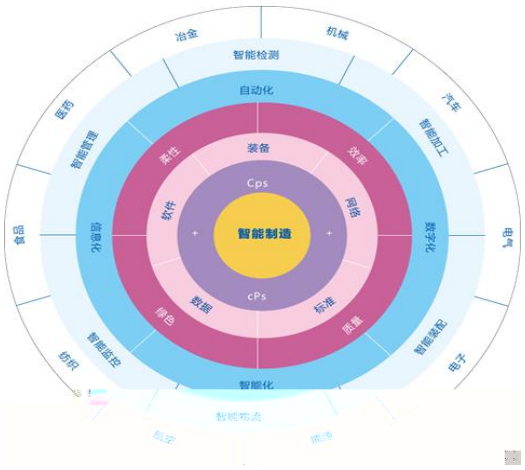

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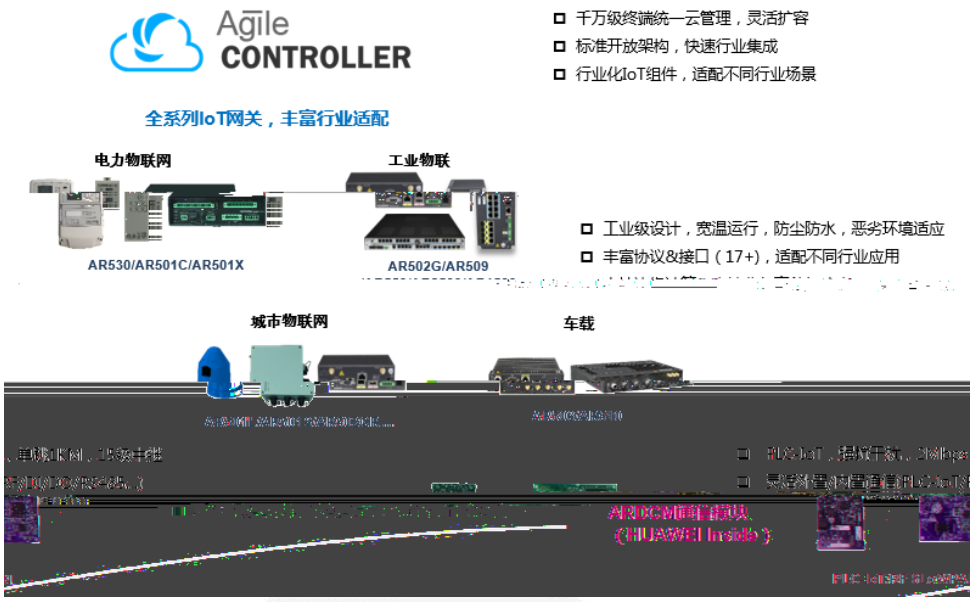
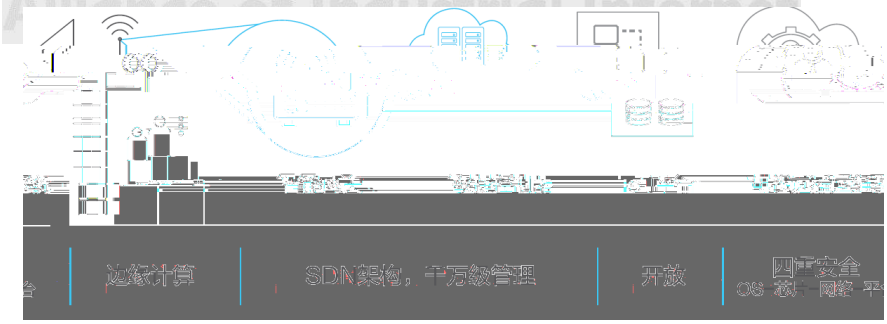
EC-IoT 产品全家福


Agile
CONTROLLER
千万级终端统一云管理，灵活扩容
标准开放架构，快速行业集成
行业化IoT组件，适配不同行业场景
全系列IoT网关，丰富行业适配
电力物联网
工业物联
AR530/AR501C/AR501X
AR502G/AR509
工业级设计，宽温运行，防尘防水，恶劣环境适应
丰富协议&接口（17+），适配不同行业应用
城市物联网
车载


边缘计算
SDN架构，千万级管理
开放
四重安全

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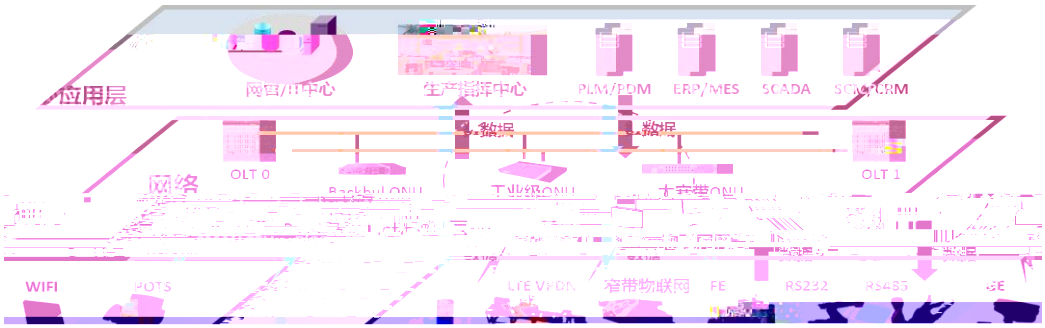

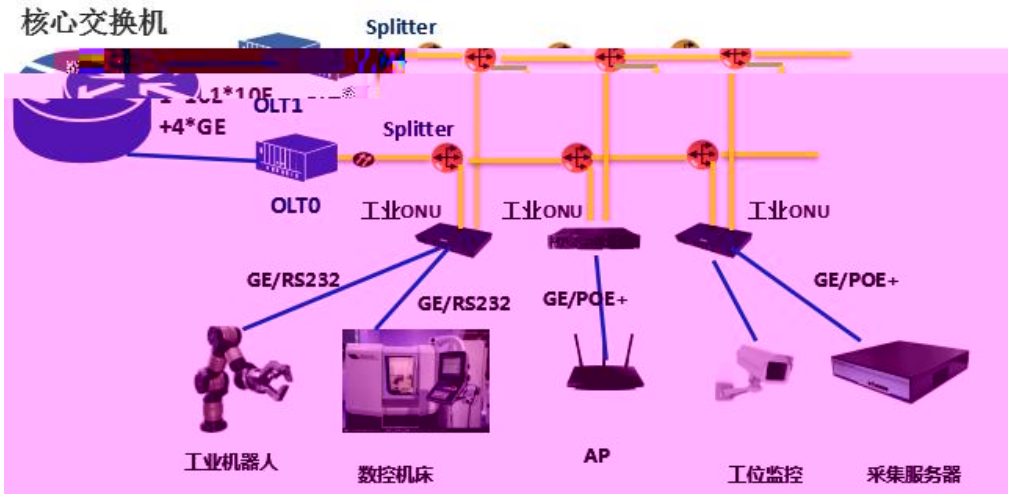
核心交换机
Splitter
OLT1
+4*GE
Splitter
OLT0
工业ONU
工业ONU
工业ONU
GE/RS232
GE/RS232
GE/POE+
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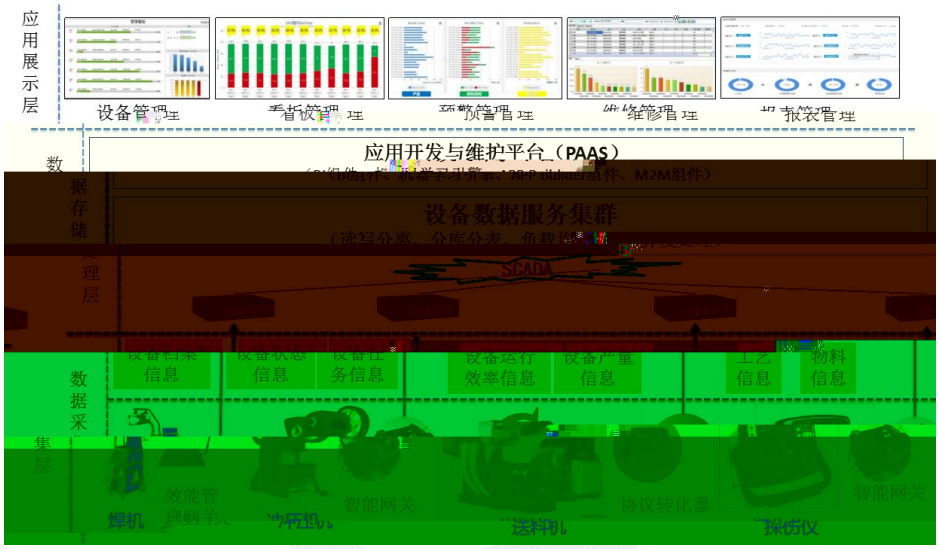
工业机器人
数控机床
AP
工位监控
采集服务器



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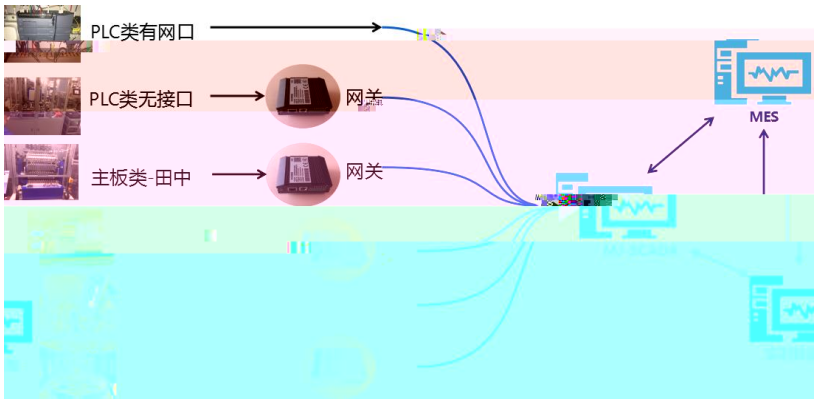

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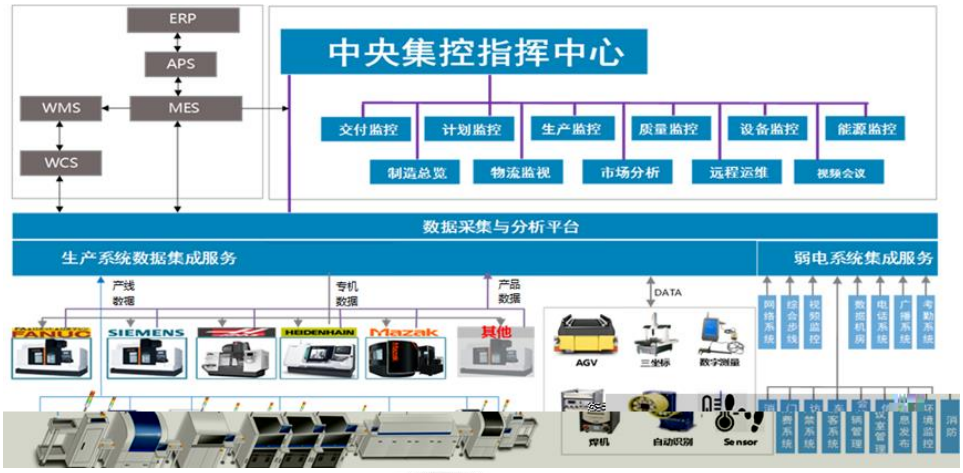

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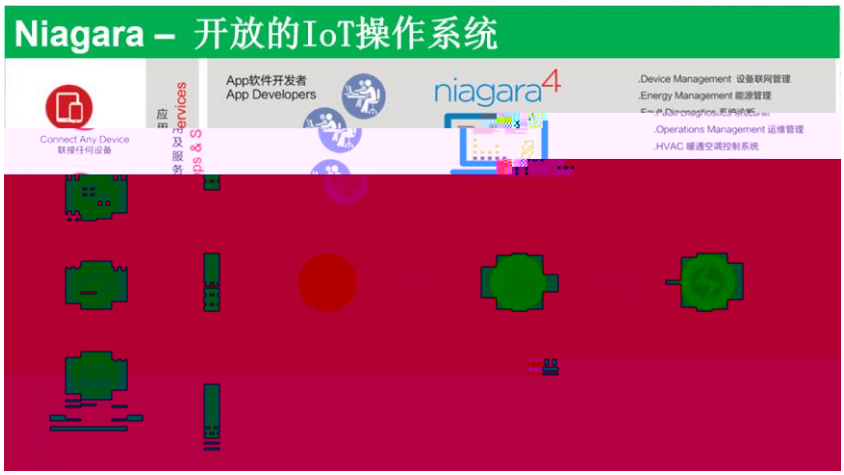

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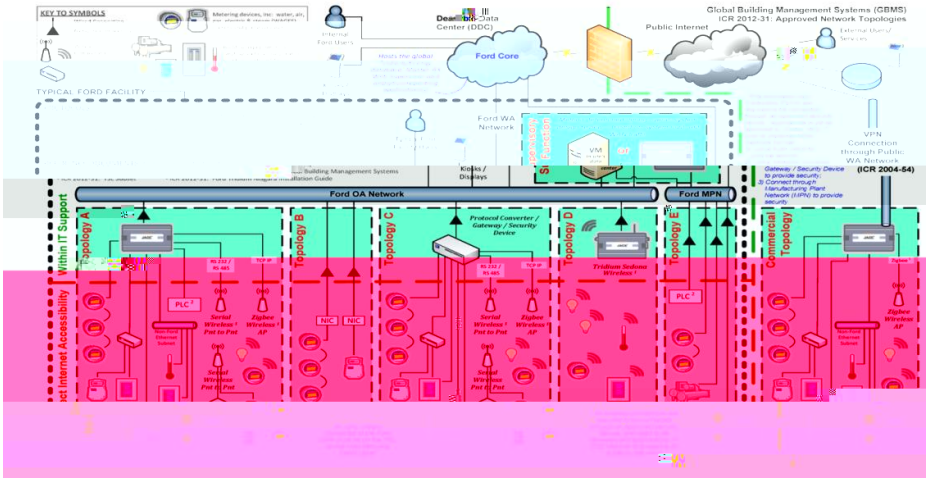

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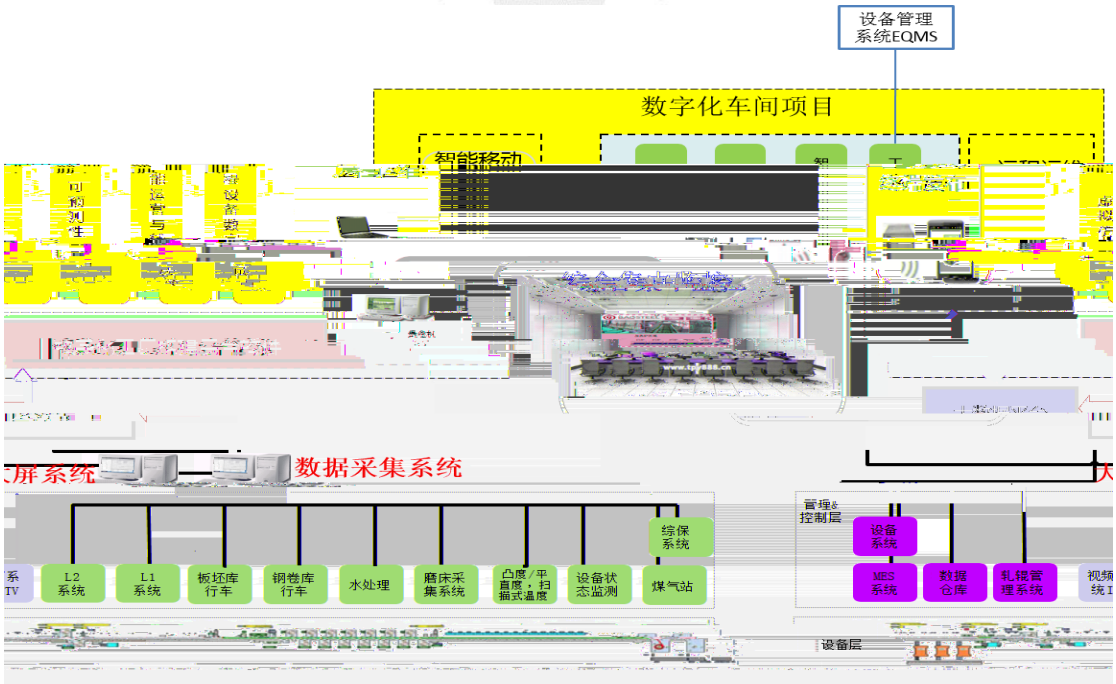

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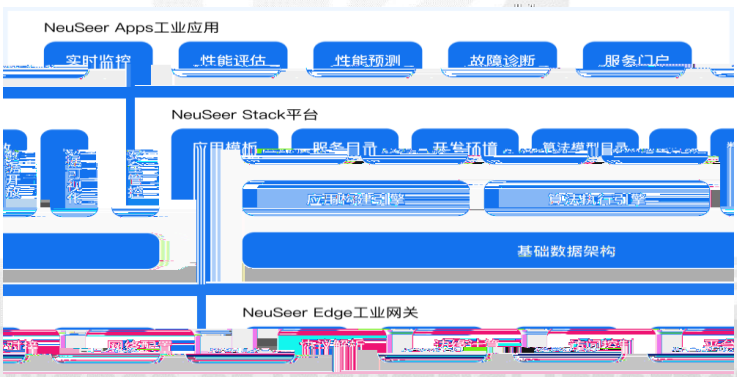

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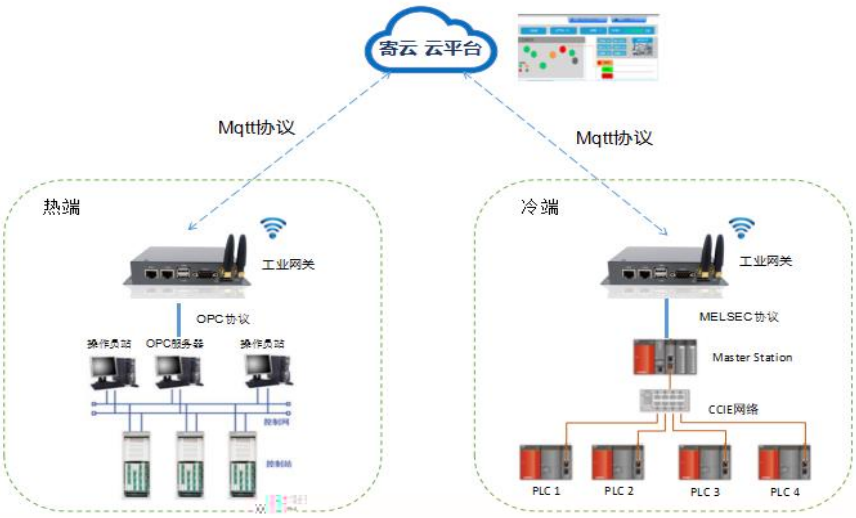

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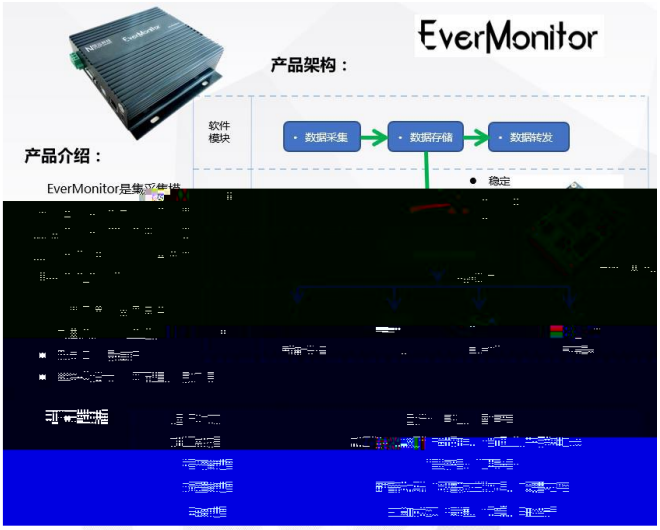

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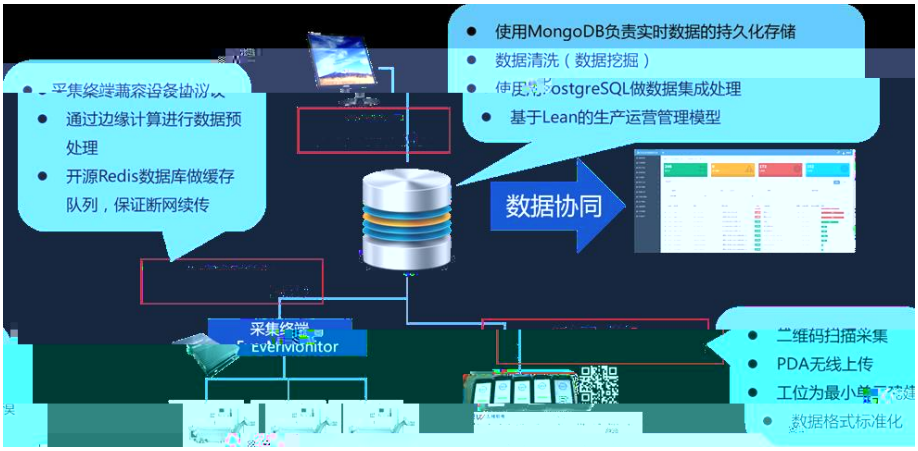

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1.	5G		the 5th generation of communication technology
2.	CAN		Controller Area Network
3.	CC-Link		Control&Communication Link
4.	DCS		Distributed Control System
5.	DNS		Domain Name System
6.	DONA		Digital Object Numbering Authority
7.	EPC		Electronic Product Code
8.	EtherCAT		EtherNet Control Automation Technology
9.	EtherNetIP	UDP/IP TCP/IP	EtherNet IP
10.	FDT		Field Device Tool
11.	DTM		Device Type Manager
12.	Handle		Handle
13.	HMI		Human Machine Interface
14.	HART		Highway Addressable Remote Transducer
15.	LonWorks		LonWorks
16.	IaaS		Infrastructure as a Service
17.	Modbus		Modbus
18.	MQTT		Message Queuing Telemetry Transport
19.	NB-IoT		Narrow Band Internet of Things
20.	OID		Object Identifier
21.	OMG		Object Management Group
22.	ONS		Object Name Service

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23.	OPC	OLE	OLE for Process Control
24.	OPC UA	OPC	OPC Unified Architecture
25.	ORS		Object Identifier Resolution System
26.	PaaS		Platform as a Service
27.	PLC		Programmable Logic Controller
28.	Profibus		Process Field Bus
29.	Profinet	Profibus	Profinet
30.	RFID		Radio Frequency Identification
31.	SaaS		Software as a Service
32.	SCADA		Supervisory Control And Data Acquisition
33.	SDN		Software Defined Network
34.	SOA		Service-Oriented Architecture
35.	TSN		Time Sensitive Network
36.	WIA-FA		Wireless Network for Industrial Automation Factory Automation
37.	WIA-PA		Wireless Networks for Industrial Automation Process Automation

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