

专业的电气控制装备及系统解决方案合作伙伴

江苏泰登电气自动化工程有限公司
JIANGSU TRIDENTEC ELECTRIC AUTOMATION ENGINEERING CO., LTD



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江苏泰登电气自动化工程有限公司
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公司简介 Company Profile

Tridentec Group成立于2012年，从一家小型初创公司逐渐地迅速成长为工业自动化领域与海洋工程领域的关键区域参与者。

2016年，Tridentec Group收购了AS Dynatek Pte Ltd，一家自动化产品业务以及同年收购了Power Control Automation Pte Ltd，一家电气和自动化解决方案业务。Tridentec Group始终坚持创新工程解决方案的指导原则，在每个项目中始终保持卓越的服务。因此，Tridentec Group在几乎所有需要工业化和服务的行业中都留下了一系列著名的项目。

2020年，Tridentec Group还在中国江苏省南通市成立了名为江苏泰登电气自动化工程有限公司。凭借着起工程专业知识和经验，Tridentec Group已逐步扩展到相关业务领域，包括楼宇自动化、监控和火灾探测解决方案以及石油和天然气自动化和工业控制软件设计服务。

如今，Tridentec Group积极地从事全方位的工程学科，凭着专业团队支持，他们可以自信地满足客户的要求，甚至超越客户的期望。与此同时，Tridentec Group也荣获DNV认证的ISO 9001:2015和ISO 45001:2018给予海洋和离岸，石油与天然气，建筑和污水处理行业自动化工程的认证。

Tridentec Group was founded in 2012 as a small start-up company in Singapore. Gradually, Tridentec Group has grown rapidly to become a key regional player in the industrial automation sector and marine & offshore engineering sector. Besides, Tridentec also acquired AS Dynatek Pte Ltd Automation Products business in the year 2016 and Power Control Automation Pte Ltd Electrical & Automation Solution Business in the year 2016. Tridentec are abiding relentlessly by its guiding principles which are innovative engineering solutions and always keep service excellence in every project. Therefore, Tridentec Group has left a trail of notable projects across virtually every industry requiring industrial automation and services. Meanwhile, in 2020, Tridentec also set up a factory in NanTong City in Jiangsu, China. In 2020, Tridentec established Tridentec Jing Su Automation & Electrical Engineering CO., Ltd in Nan Tong City of China. Building on its engineering expertise and experience, Tridentec Group has progressively expanded into related areas of business including building automation, surveillance and fire detection solutions and oil & gas automation and industrial control software design services. Now, Tridentec Group is actively engaged in a full spectrum of engineering disciplines, backed by dedicated teams of professionals who can confidently meet the customer's request and even exceed the expectation. In addition, we are also proud to be a company with a management system certified by DNV in ISO 9001:2015 and ISO 45001:2018 for Provision of Automation solutions for Marine & Offshore, Oil Gas, Building and Water Treatment industries.



Tridentec is also ABB Authorized Value Provider System Integrator Since Year 2014 and Siemens Service Delivery Partner

自2014年，Tridentec Group也被ABB授权为供应商兼系统集成商和西门子的服务交付合作伙伴

	<p>ABB 800XA DCS system ABB Compare Product ABB Programmable Logic Controller PLCs ABB Freelance ABB Drive/ Soft Starter ABB Motor</p>		
	<p>ABB 800XA DCS系统 ABB比较产品 ABB可编程逻辑控制器PLC ABB Freelane公司 ABB驱动/软起动器 ABB电机</p>		<p>SIMATIC HMI SIMATIC SCADA SIMATIC PLC SIMATIC DCS SIMATIC VFD</p>

Our Area of Expertise included the following industry
我们的专业领域包括以下行业

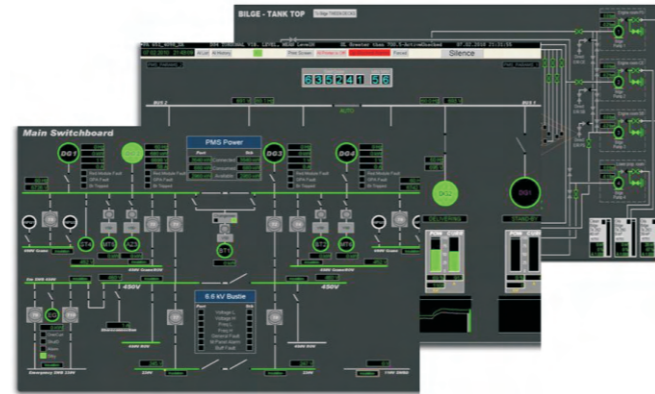
- | | |
|---|---|
| <ul style="list-style-type: none"> • Marine & Offshore • Oil & Gas Industries • Chemical Industries • Water Treatment • Factory Automation • Pharmaceutical • Port Electrical & Automation | <ul style="list-style-type: none"> • 海洋与离岸 • 石油和天然气行业 • 化学工业 • 水处理 • 工厂自动化 • 制药 • 港口电气和自动化 |
|---|---|

我们的产品和服务 Our Products and Services

- 用于PMS或BMS的SCADA和DCS解决方案
- SCADA和DCS解决方案
- SCADA & DCS Solutions.
- Wonderware InTouch / Allen Bradley FactoryTalk SE & ME / Preface / Beiger / ABB / WINCC

Tridentec now offers complete plant control and management system integration from sensor through to enterprise-wide management information systems. Solutions are customised to suit individual client application needs and are implemented using the most appropriate controller hardware and HMI configuration.

Tridentec 如今有提供从传感器到企业范围管理信息系统的完整工厂控制和管理系统集成。每个解决方案都是为满足客户的个别应用需求而定制的，并使用最合适客户要求的控制器硬件和HMI配置。



基于PLC、HMI和PC的解决方案 PLC & HMI and PC based Solutions

Tridentec team of highly specialized engineers and programmers will write PLC programs using ladder logic, function block diagrams, structured text and instructional lists, and have adopted the IEC 61131 international standard for PLC programming - which is intended to reduce the complexity of programming different PLC models. Besides, Tridentec team has vast experience programming for leading companies including ABB, Siemens, in PLC manufacturers Allen Bradley, Schneider, Wago, Mitsubishi.

由高度专业的工程师和程序员组成的Tridentec团队将使用梯形逻辑、功能框图、结构化文本和教学列表编写PLC程序，并采用了IEC 61131 PLC编程国际标准，旨在降低编程不同PLC模型的复杂性。此外，Tridentec团队拥有丰富的编程经验，包括为ABB，西门子，Allen Bradley, Schneider, Wago, 三菱等领先公司编程。



电控箱制造服务 Electrical & Control Panel

Tridentec Electrical provides a comprehensive range of low voltage switchgear systems which include distribution boards, sub-boards, floor stand boards, motor control centres and power distribution units.

Tridentec电气公司提供一系列低压开关设备系统，包括配电盘、配电箱、落地式配电盘、电机控制中心和配电装置。



提供定制的配电盘组件 Provided Customized Electric Panel Assembly

- | | |
|--------------------------------|---------------|
| Fixed Type Switchgear | 固定式开关设备 |
| Withdrawal Type Switchgear | 抽出式开关设备 |
| VFD / DOL / Soft starter Panel | VFD/DOL/软启动器箱 |
| Distribution Board | 配电盘 |
| Weatherproof Panel | 防风雨箱 |
| Sub Board | 专业子版 |
| Console | 仪表板 |
| Explosion Proof Panel | 防爆箱 |



自动化工控箱组件 Automation Panel Assembly

- | | |
|--|--------|
| <input type="checkbox"/> PLC Control panel | PLC控制箱 |
| <input type="checkbox"/> Remote IO Panel | 远程IO箱 |
| <input type="checkbox"/> Relay Control Panel | 继电器控制箱 |
| <input type="checkbox"/> Control Console Panel | 控制台箱 |



我们的产品和服务 Our Products and Services

港口设备自动化解决方案 Port Equipment Automation Solution

- Port Equipment Electrical Room
 - Crane Cabinet
 - Port Equipment Automation Control Panel
 - STS & RTG & Stacker Electrical Room
- 港口设备电气室
 - 起重机柜
 - 港口设备自动化控制面板
 - STS&RTG&堆垛机电气室



工业机器人自动化解决方案 Robotic Automation Solution Industrial

Tridentec Robotic Automation is a single-source, custom engineered, automation system solutions provider specializing in robotic automation. We offer complete robotic solutions for manufacturing, warehousing and distribution.

Our extensive robotic integration capabilities include automation systems development and engineering, project management, manufacturing and installation, and support services for all of our solutions technology.

Tridentec Robotic Automation是一家专门从事机器人自动化，采用单一来源，定制工程自动化系统供解决方案的供应商。我们为制造、仓储和配送提供完整的机器人解决方案。

我们广泛的机器人集成能力包括自动化系统开发和工程、项目管理、制造和安装，以及所有解决方案技术的支持服务。

机器人应用： Robotic Applications:

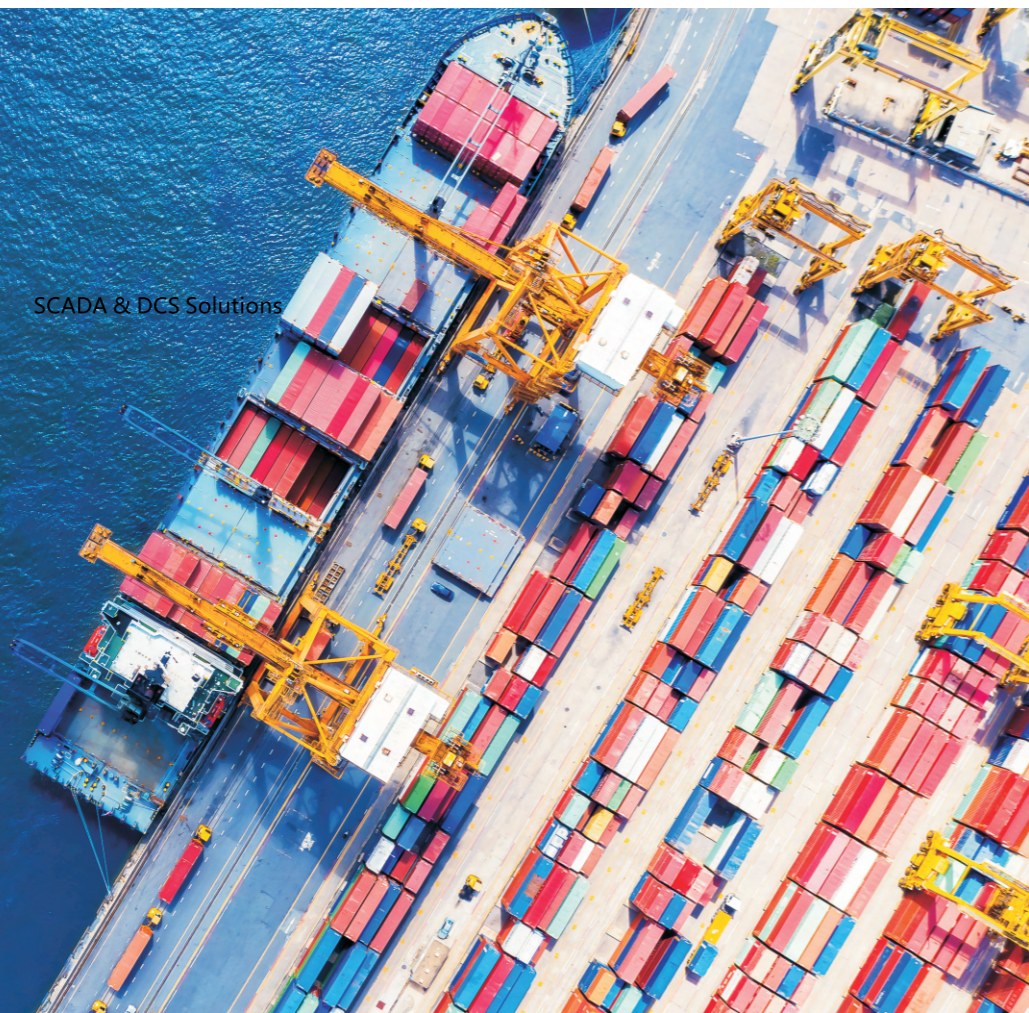
- Robotic Case Palletizing
- Robotic Bag Palletizing
- Robotic Case Packing
- Machine Tending
- Pick and Place
- 机器人装箱码垛
- 机器人行李码垛
- 机器人装箱
- 机器维修
- 物品取放



机器人制造合作伙伴：
Partner of Robot Manufacture:

ABB KUKA NACHI

SCADA & DCS Solutions



部分项目案例

List of some projects

IIOT (Iot解决方案)

IIOT (Iot Solutions)

IIoT is simply about connecting devices on the plant floor to a network. These connections provide new ways to generate and collect useful data. This network can provide visibility down into the machine, enabling predictive maintenance and big data analytics. With IIoT, we are able to improve overall equipment effectiveness and provide new insights into our business.

IIoT简单地说就是将工厂地板上的设备连接到网络。这些连接提供了生成和收集有用数据的新方法。该网络可以提供机器的可见性，实现预测性维护和大数据分析。通过IIoT，我们能够提高整体设备效率，并为我们的业务提供新的见解。



- IOT module , Device , Gateway ,Modems
Windows Applications:
C++, C#, Dot Net
ISO / Andriod Mobile Apps

- Web Applications:
PHP
ASP .NET
SQL /MSQL
HTML
Java

- Operations Management System (OMS)
- Production Information Management System (PIMS)
- Manufacturing Execution System (MES)

- IOT模块、设备、网关、调制解调器Windows应用程序:

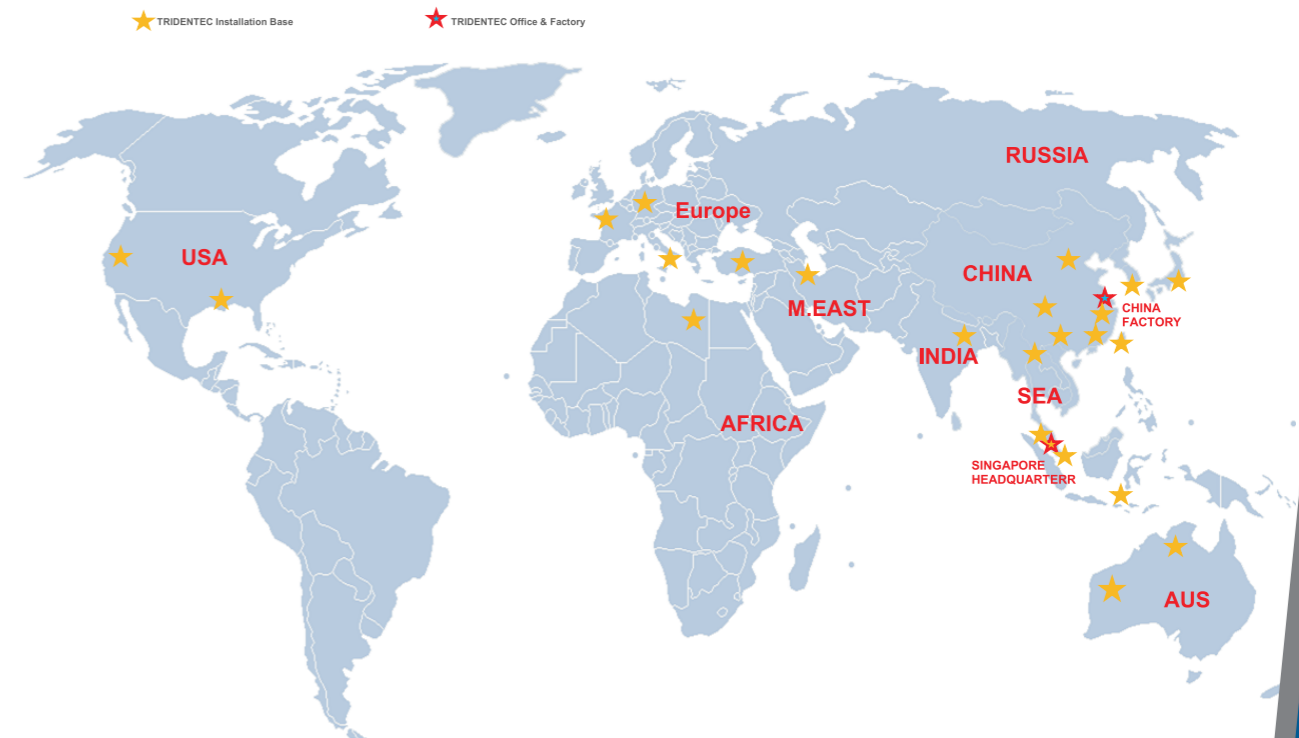
- C++, C#、Dot Net
 - ISO/Andriod移动应用程序Web应用程序:
 - PHP文件
 - ASP.NET网站
 - SQL/MSQL
 - HTML格式
 - Java

- 语言运营管理系统 (OMS)
- 生产信息管理系统 (PIMS)
- 制造执行系统 (MES)



TRIDENTEC的客户、业务伙伴和安装基地遍布全球。

TRIDENTEC Clients & Business Partners and Installation Base Are All Over The World.



部分项目案例

List of some projects

序号	项目名称	应用设备	产品明细	数量	项目地区
1	烟台港	卸船机	电控柜/远程操作台	8套	烟台
2	张家港沙钢集团	堆取料机	电控柜/远程操作台	2套	张家港
3	比亚迪集团	环保废气处理设备	电控柜	1套	长沙
4	青岛港	门机、堆取料机、卸船机	电控柜/远程操作台	10套	青岛
5	靖江港	自动化轮胎吊	电控柜	2套	泰州
6	振华西班牙岸桥改造	STS	电气房改造	2套	上海
7	仙人岛废水处理控制柜	环保废水处理设备	电控箱	10套	辽宁
8	宁波港	卸船机、自动化轮胎吊	电控柜/远程操作台	6套	宁波
9	珠江电厂含煤控制柜	环保废水处理设备	电控柜	33套	珠江
10	厦门港	自动化轮胎吊	电控柜/远程操作台	2套	厦门
11	东营港	门座机	电控柜/远程操作台	7套	东营
12	嘉兴电厂	堆取料机	电控柜/远程操作台	1套	嘉兴
13	陕汽集团	洒水车	电控箱	20套	西安

烟台港卸船机自动化控制柜及远程操作台



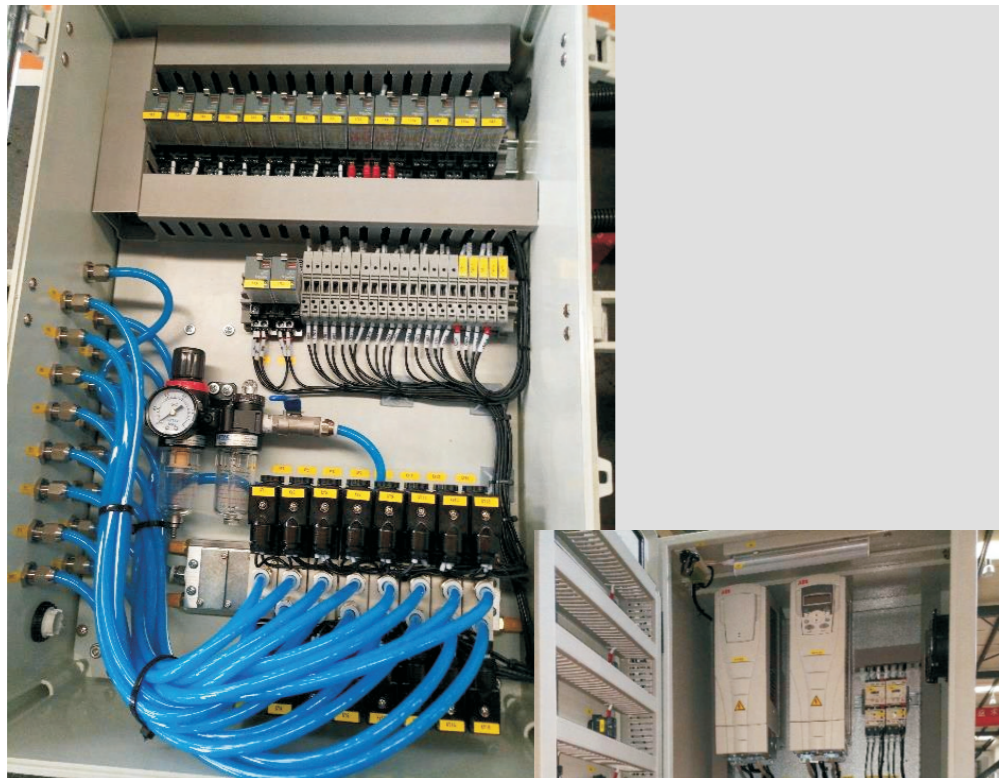
青岛港/东营港门座机、卸船机远程操作台



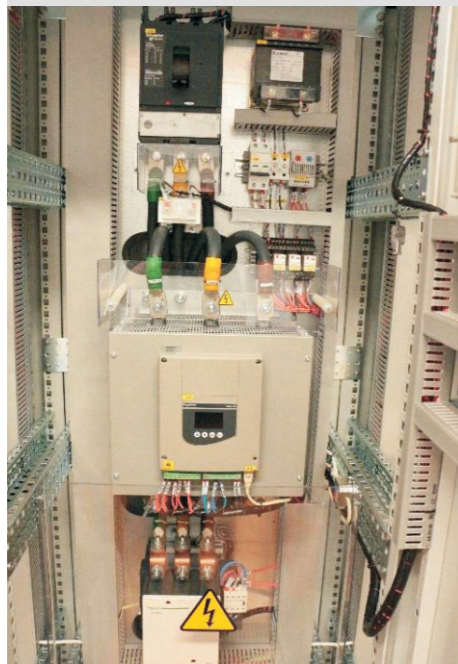
部分项目案例

List of some projects

其它环保废气，废水处理系统电控柜



环保水处理电控柜



各类配电柜



各类PLC变频器

港口等起重设备电气房改造



RTG电气房



堆料机电气房

STS电气房

质量管控 Quality control



Our product inspection process and relevant requirements are reported as follows. I hope it will help you understand our company in more detail:

我司产品检验流程及相关要求，汇报如下，
希望有助于您更详细地了解我司：

1. 生产完工后自检

Self-inspection after production completion

The production personnel shall check the wiring problems one by one according to the schematic diagram. In order to avoid missing line inspection, the whole self-inspection process shall be uniformly marked with black circles on the drawing;

生产人员根据原理图，一一校对接线问题，为避免漏查线，整个自检过程统一要求在图纸上用黑圈进行标记；

2. 生产班组长书面申请品质部检验

The production team leader applies in writing to the Quality Department for inspection

The Quality Department shall check the components, terminal diagram and layout diagram according to the process flow, calibrate the wiring according to the schematic diagram, fasten the bolts and keep the cabinet clean and standard.

品质部按照工艺流程核对元器件，端子图，排布图，按照原理图校线，紧固螺栓及柜内整洁规范。

3. 通电测试

Power-on test

See the attached control cabinet test report for test contents

测试内容详见附件控制柜测试报告

For the specific inspection contents and requirements, see the attachment record form:

- Internal Inspection Application Form
- Daily Operation Content, Self-inspection and Patrol Inspection Form of Electric Control Cabinet
- Control Cabinet Test Report

具体检验内容及要求详见附件记录性表单：

- 《内部检验申请单》
- 《电控柜日作业内容、自检、巡检表》
- 《控制柜测试报告》

外场安装、调试、改造及服务工作 Outfield installation, commissioning, modification or servicing work

Jiangsu TRIDENTEC Electric has rich on-site installation capacity and commissioning experience, especially in the electrical control system of lifting equipment; Our products have reached the international standards, reliable quality and meet the most advanced and cutting-edge technical requirements; Ensure that all customers are provided with the highest standard of products and services. We enjoy a reputation in the industry, stay at the forefront of market competition, constantly provide the most advanced and modern systems and services, predict user needs and meet the changing market needs

江苏泰登电气拥有丰富的现场安装能力和调试经验，特别是在起重设备的电气控制系统方面；我们的产品水准达到国际要求标准，质量可靠并符合最先进，最前沿的技术要求；确保为所有客户提供最高标准的产品和服务。

我们在行业内享有声誉，走在市场竞争的前沿，不断提供最先进，最现代化的系统和服
务，预测用户的需求并能满足不断改变的市场需求。

