

رؤية VISION



المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

AUTOMATION, CONTROL AND ENERGY SOLUTIONS



Products and Solutions

ABTC provides products, solutions and services through the following divisions:

Click on Division for Detail



Automation Solutions and Products Division



Buildings Technology Division



Civil & Electromechanical Division



Power Division



Substation Automation Division



Operation, Maintenance and Testing Division



LED based lighting and Solar Division



Automation and Control Division

ABTC offers the following solutions in the automation division:

-  Supervisory Control and Data Acquisition (SCADA) systems.
-  Power plant and Substation Control and Monitoring systems.
-  Plant instrumentation, Process control and Communication systems.
-  Power systems monitoring, control and load management.
-  Alarm annunciation and MIMIC systems.
-  Plant integration and embedded plant shutdown response systems.
-  Power factor monitoring and correction systems.
-  Automatic transfer and Synchronization systems of Power sources.
-  Automatic Capacitors Control Systems (ACCS).
-  Automation, Instrumentation products & spares from all vendors



Automation, Instrumentation and Drives Products

ABTC also provides the following products and components for industrial, residential and commercial sectors.

PLC Components and Spares

- Controllers/Micro PLCs
- Distributed Control Systems
- Human Machine Interfaces (HMIs)
- Remote Terminal Units
- Distributed I/O Modules
- Power Supplies
- Sensors

Instrumentation Products

- Pressure sensors, gauges, indicators and calibrators
- CO2 Humidity and temperature transmitters
- Flow Meters
- Differential Pressure Flow meters
- Electric Control Valves
- Butterfly Valves
- Solenoid Valves

Drives and Motor Control products

- Drives and Servo Drives
- Motors and Servomotors
- Circuit breakers and Switches
- Soft Starters
- Relays
- Motor Contractors
- Actuators
- Encoders



Building Technologies Division

ABTC offers the following solutions in the Building Technologies Division, based on Siemens' Building Technologies:

- 
- *Building and Home Automation Systems*
 - *HVAC Control systems*
 - *Command & control systems i.e. sun blinds and shades control, automatic doors control*
 - *Intrusion and surveillance systems*
 - *Access control and identification systems*
 - *Fire detection, evacuation, extinguishing and danger management systems*

A versatile solution

Giving you convenience without compromise

Adaptable as your needs change

Open System Architecture • Open Standards Support • Remote Communications Options • Information Management • System Scalability • Facility Management • Systems Integration • High Energy Efficiency and Flexibility • Ease of operation for optimum comfort

Civil and Electromechanical Division

ABTC is a general contracting firm with a broad spectrum of services in plant construction and related projects. We specialize in infrastructure development, road construction, civil and mechanical plant erections, electrical works, and control and automation systems.

Civil Construction

- Infrastructure Networks
- Site Preparation & Earthwork
- Building Construction
- Industrial Construction
- Road Works
- Masonry Work
- Interlock Installation
- Epoxy Painting
- Wall & Floor Painting ,
Waterproofing



Electrical Construction

- Erection of Power Distribution & Electrical Equipment
- Repair & Maintenance of MV & LV Systems,
including 13.8 KV Networks
- Overhead & Underground Transmission Line
Repair/Maintenance
- Generator/Motor Repair
- Transformer Services
- Substation Installation, Repair & Services
- General Electrical & Instrumentation Supply & Installation
- Industrial Electrical System Design, Supply & Installation
- Fire Alarm and Suppression System Installation



Mechanical & Industrial Services

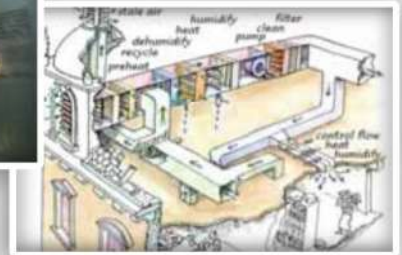
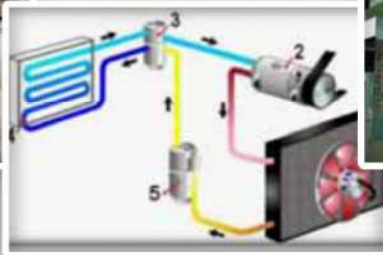
- Equipment Assembly and Installation
- Piping Fabrication and Erection
- Structural Steel Fabrication and Erection
- Rigging and Heavy Lifting
- Painting, Insulation, and Refractory Works
- Non-Destructive Testing (NDT)
- Turnkey Plant Construction
- On-Site Fabrication Works
- Structural Steel Fabrication & Erection
- Mechanical Erection & Installations
- Process and Vacuum Insulated Piping
- Bulk Storage Tanks
- Cooling Towers & Heat Exchangers Erection/Installation
- Boilers and Vessel Erection
- Floating Roof Tanks
- Rigging/Millwrighting



Central Air-Conditioning equipment

ABTC offers the following solutions for Central Air-Conditioning

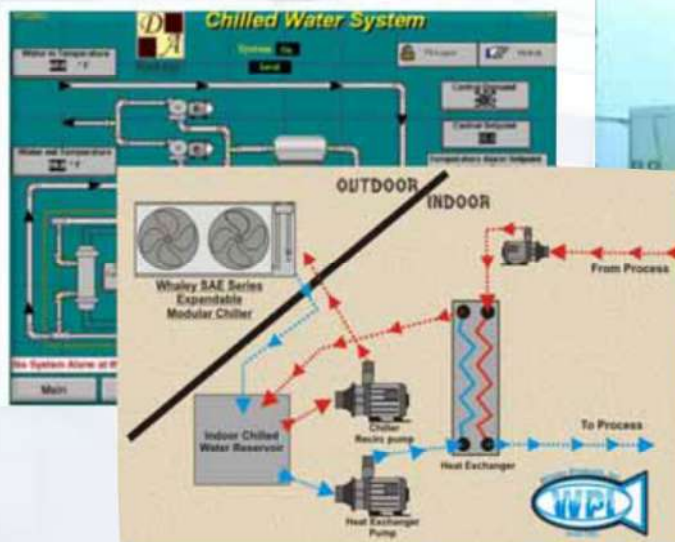
-  **Air handling units**
-  **Air cooled water chiller**
-  **Air cooled packaged units**
-  **Air cooled condensing units**
-  **Finned tube heat exchanger (chilled water & direct expansion)**
-  **Fan coil units (floor, wall, and ceiling mounted)**
-  **Air devices (diffuser, grille, louver, damper)**
-  **Sound attenuator**
-  **VAV terminals**
-  **Electric duct heaters**
-  **Centrifugal and axial fans**
-  **Window and cassette type air conditioning units**



- We have whole range of air conditioners from Room to packaged units and to large Chillers for residential, commercial and industrial applications

- Our products are in compliance with local, regional and international specifications and standards for operating performance, cooling capacity, energy efficiency , airflow, noise level and durability.

- Together with our clients, ABTC is advancing in heating, ventilating, and air conditioning technology in affiliation with our partner companies in emerging markets



ENVIRONMENTAL MONITORING PRODUCTS & SOLUTIONS



We offer Environment Monitoring and Management –HVAC, Server Rooms and Data Center, Healthcare and Laboratory, Monitoring during Transport, Industry, Industry SOHO Small Office and Home Office . Following are some high lights.



Record and online monitoring of temperature and humidity, leaks and smoke in data centers and server rooms. Data loggers, sensors, monitoring systems for IT racks



Automated monitoring of temperature, humidity and other parameters in pharmacies, laboratories, blood banks and areas that require constant monitoring



Low cost solution for monitoring, remote access to the measured values and data collection through data loggers and Web Sensors



Complete temperature, humidity, pressure and CO2 monitoring in new buildings, historic buildings, industrial centers



Temperature monitoring during transport of food, flowers, live animals, pharmaceuticals, HACCP. Wireless communications and data transmission via GPRS



Online measurement and alarms, recording and monitoring of production processes



Power Division

ABTC offers the Supply, Installation and Testing / Commissioning of Medium & Low Voltage Electrical Equipment including:

-  MV Switch Gear
-  LV Switchboard / Panel boards
-  Motor Control Centers (MCCs)
-  Ring Main Units (RMUs)
-  Oil Filled and Dry Type Transformers
-  Pad Mounted Transformers
-  Pad Mounted Switchgears
-  Generators / Wind Turbines
-  Automatic Transfer Switch s(ATS)
-  Synchronization and automatic bus transfer systems.
-  Power Cable Terminations and Splicing up to 33kV
-  Installation, Testing & Commissioning



Substation Automation Division

ABTC provides comprehensive Design, Integration, Installation, and Maintenance services for advanced substation automation systems, including:

-  SCADA Systems
-  Protection Relays
-  Intelligent Electronic Devices (IEDs)
-  Communication Networks for Substations
-  Programming & Configuration
-  Testing & Commissioning
-  Substation Data Analytics
-  Maintenance and Troubleshooting Services

Our solutions are tailored to enhance operational efficiency, reliability, and safety, ensuring compliance with industry standards and best practices.



LED Based Lighting Division

ABTC offers a complete range of LED products, including supply, installation, testing and commissioning.

- LED bulbs and spotlights
- LED tube lights
- LED street and floodlights
- LED Display and Wall Washers
- Solar Power LED Lights
- Infrared, Ultraviolet, Surface Mount Devices (SMD), Colored Lighting LEDs



Operation, Maintenance and Testing Services Division

ABTC offers routine, periodic and preventive maintenance and testing services for the following equipment and systems:

- ⚙️ Short circuit studies
- ⚙️ Protection Relays settings and testing
- ⚙️ System Functional test
- ⚙️ Power Transformers, testing
- ⚙️ Shunt Reactor & Capacitor Banks testing
- ⚙️ LV and MV Switch Gear and Ring Main Units.
- ⚙️ 13.8 KV, 33 KV XLPE Cable Test.
- ⚙️ SCADA, CCMS, BMS and other automation systems



Solar Energy

ABTC offers Solar power system solutions for applications like:

- Atmospheric Monitoring Stations
- Irrigation systems, Water Pumping from Wells and Rivers.
- Microwave Repeaters
- Military Target Practice Ranges
- Portable Lighting Systems
- Remote Homes (Lighting, Refrigeration, Water Pumping, Communication Systems)
- Remote Health Clinics
- Telecommunication Systems

Solar Energy Components and Products

- Photovoltaic Solar Panels
- Battery for Solar Installations
- Solar Inverter
- Solar Battery Charger
- Power distribution Cable
- Solar Concentrator
- Solar energy products like solar heaters, lighting, calculators etc



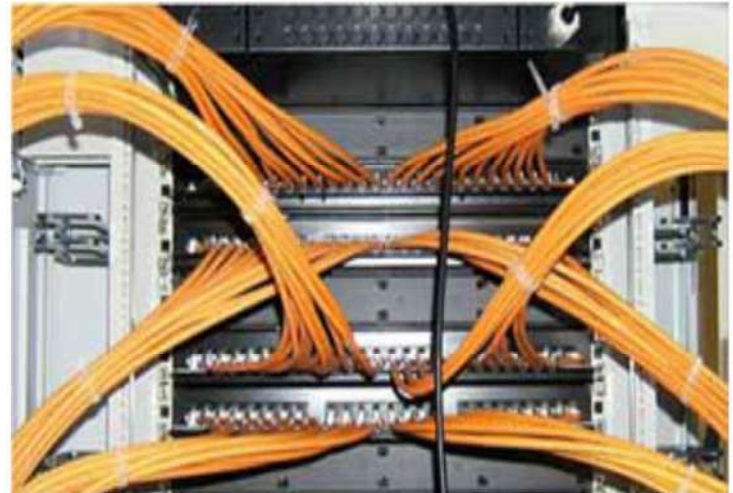
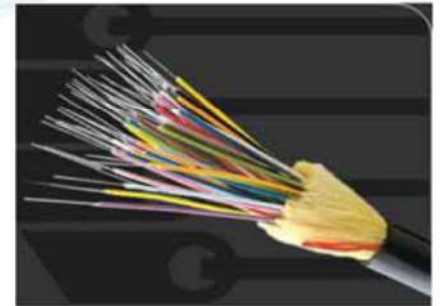
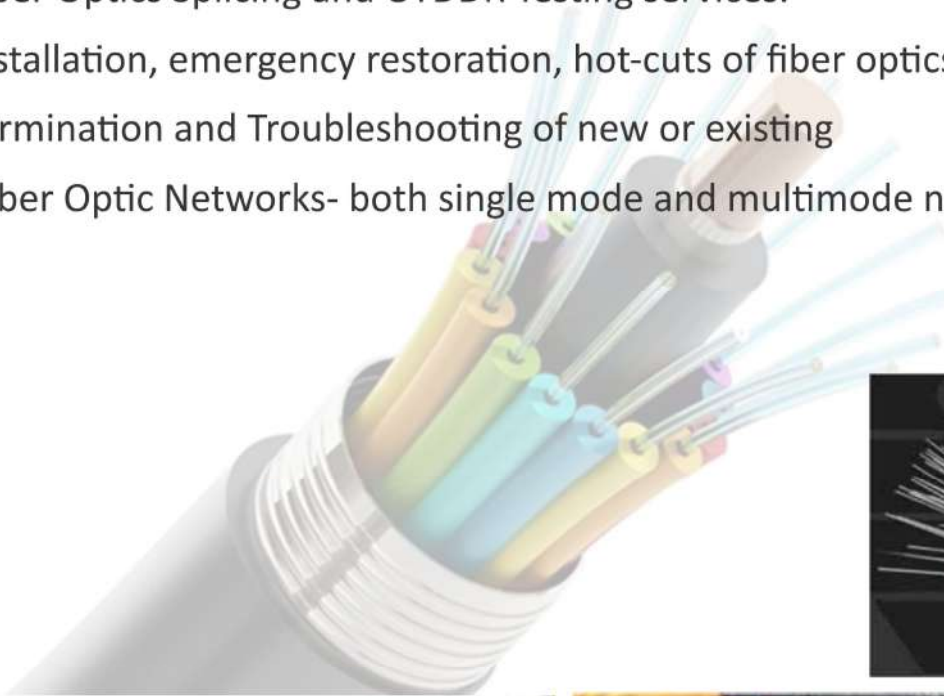
Supply, Installation and Testing of low to medium capacity solar systems with associated control, switchover and monitoring system .



Fiber Optic Systems

ABTC offers Fiber Optic Solutions for core automation and communications systems in and out of facility.

- Supply of Fiber Optics cables, patch cards and patch panels.
- Fiber Optics Splicing and OTDDR Testing services.
- Installation, emergency restoration, hot-cuts of fiber optics systems.
- Termination and Troubleshooting of new or existing
Fiber Optic Networks- both single mode and multimode networks.



Some Reference Projects

ABTC has completed many projects in various sectors since its commencement in 2001. On the following pages is an overview of some key projects



Power System Control And 3 X 850kva Generators Synchronization - Sports City Jeddah

General Presidency of Youth
Welfare, Jeddah

Client



Main
Contractor

PROJECT SCOPE

Design, Engineering, Supply, Installation, Testing and
Commissioning of Power System Control and 3 x 850kVA
Generators Synchronization System

SYSTEM

- Siemens S7300 series PLC
- Siemens HMI SCADA system
- Generators Sequencing & Load Management based on demand.
- Fully automatic operation with provision for manual override and control (MOC).
- On Loss of main power supply or under voltage Alarm, the system start the generators and their ventilation systems.
- Synchronization of main power supply and all three Generators with the Power System.





ABTC

شركة امبيلا بزنس اند تكنولوجيا سينتر للمقاولات
Ambela Business & Technology Center for Contracting

CR No: 4030563796

We work to help you achieve your goals

Central Control and Monitoring System for New Load Center (NLC) at King Abdul Aziz Int'l Airport (KAAIA) Jeddah

PROJECT SCOPE

Design, Engineering, Supply, Installation, Testing and Commissioning of Central Control & Monitoring System for MV Switchgear, Chillers, Chilled Water Pumps, Condenser Fans, Cooling Pumps and Chillers Sequencing with functional Testing and Commissioning

Main
Contractor

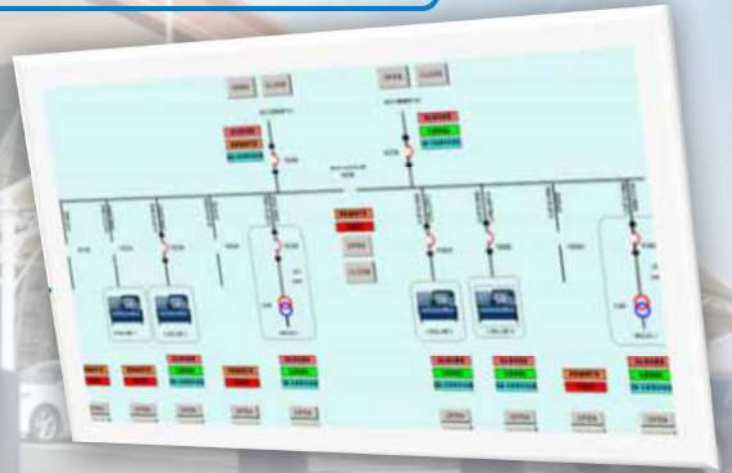
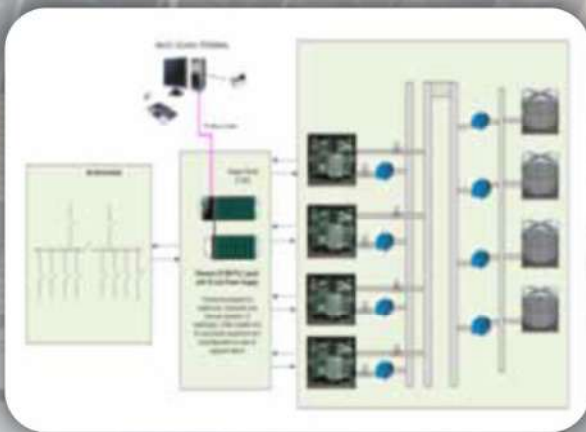


Client



SYSTEM

- Siemens S7300 series PLC
- Siemens WinCC based SCADA system
- Profibus connectivity b/w SCADA station & Controller
- Chillers Sequencing & lead-lag selection based on Run-hours and availability
- Fully automatic operation with provision for manual override and control



Electromechanical Monitoring and Management System (EMMS) The North South Railway (NSR) Project - SAR Signaling & Telecommunication Works Contract S&T-100

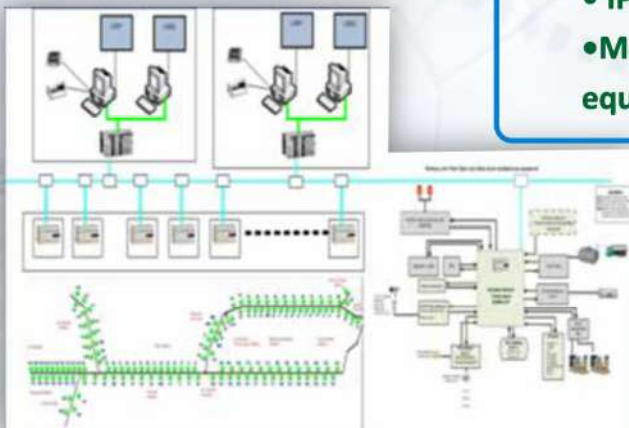


PROJECT SCOPE

- Design, Engineering, Supply, Installation, Testing and Commissioning of:
- Electromechanical Monitoring and Management System (EMMS)
- Access Control System
- Surveillance System
- Fire Alarm and Fire Fighting System

SYSTEM

- SE Vijeo Citect based SCADA system
- SE Pentium PLC based Master Control station
- Twido based RTU stations
- FO based project wide Ethernet N/W
- IP based surveillance system
- Modbus RTU connectivity with Generators, UPS and other field equipment for status and alarms monitoring



SCADA System for Development of King Abdul Aziz Endowment (DOKAAE) -Makkah



Main Contractor



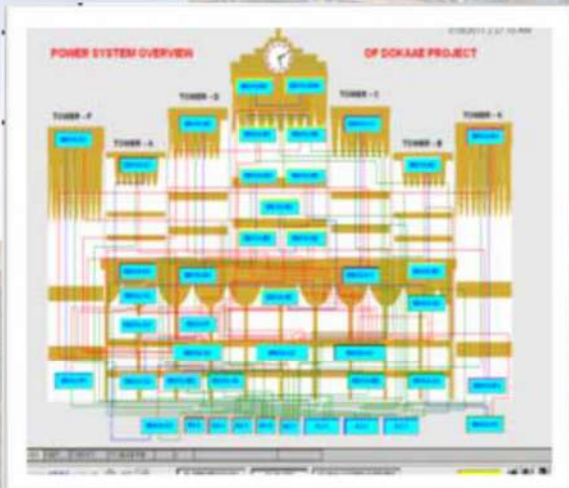
Client



Consultant

PROJECT SCOPE

- Design, Engineering, Supply, Installation, Testing & Commissioning of Centralized Control & Monitoring System for MV & LV substations network and Chillers plant



SYSTEM

- Siemens S7400H PLC based redundant master stations for complex building & AC plant
- Siemens ET200M based Distributed RIO units
- Siemens WinCC based SCADA system
- Profibus DP based redundant system network
- FO based redundant Ethernet connectivity b/w complex and AC plant master stations
- Modbus RTU connectivity with Generators, UPS and other field equipment for status and alarms monitoring

SCADA for ZamZam Well-1 Water Management System – Holy Makkah



Main Contractor



Client



Consultant

PROJECT SCOPE

- Design, Engineering, Supply, Installation, Testing & Commissioning of Supervisory Control & Data Acquisition (SCADA) for ZamZam Well-1 Water Management System

SYSTEM

- Siemens S7400H PLCs based redundant master station
- Siemens ET200M based Distributed RIO units
- Siemens WinCC based SCADA system
- FO based redundant Profibus-DP n/w Master station and RIO units
- FO based Ethernet connectivity b/w Master PLC & controls for purification & bottling plant
- Modbus RTU connectivity with power meters and other field equipment

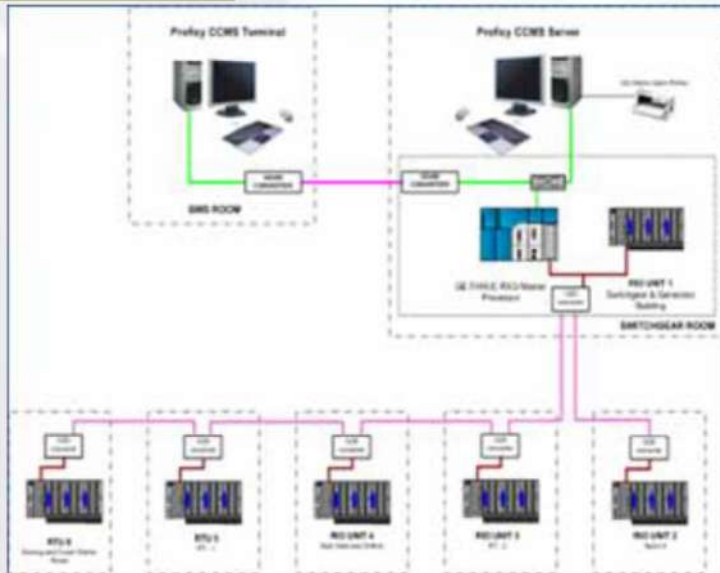
CCMS for 13.8 KV Power Distribution Network at King Abdul-Aziz International Airport, Royal Terminal - Jeddah



**Main
Contractor**



Client



PROJECT SCOPE

- Design, Engineering, Software Programming, Graphics Generation, Testing & Commissioning of Central Control and Monitoring System for LV/MV power network at King Abdul-Aziz Int'l Airport, Royal Terminal

SYSTEM

- GE Fanuc Rx3i PLC based master control station
- GE Fanuc Versamax based Distributed RIO units
- CIMPLICITY based SCADA
- FO based Genius Bus system network
- FO based Ethernet connectivity b/w Master Control Station and operator station at BMS room
- Modbus RTU connectivity with power meters and other
- field equipment

Chillers Control and sequencing system at LRH Prince Sultan Azizia Palace, Riyadh



مجموعة بن لادن السعودية
SAUDI BINLADIN GROUP

**Main
Contractor**

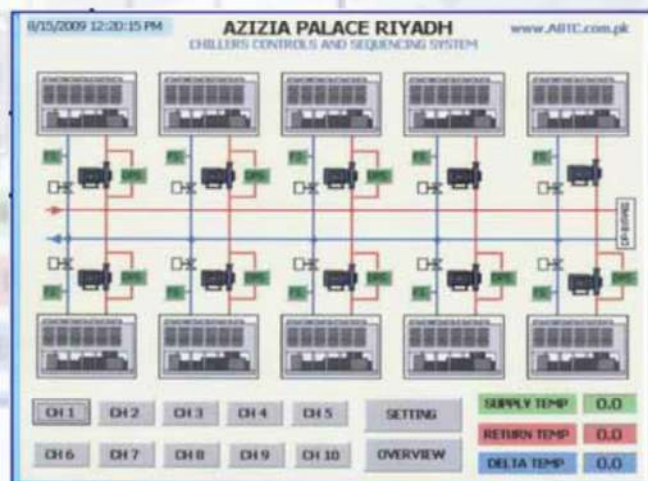
Client

PROJECT SCOPE

- Design, Engineering, Software Programming, Graphics Generation, Testing and Commissioning of a chillers control and sequencing system consisting of 10 chiller units and associated chiller control panels

SYSTEM

- Siemens S7 300 series PLC
- I/O Modules for 10 chiller units, interfaced via dry contacts to individual chiller panels
- MP 270 series 10" Touch Screen panel to control the chillers, monitor the valves and circulating pumps status
- Fully automatic operation with provision for manual override and control



Some Successful Delivered Projects References & Their Approximately Value

YEAR	PROJECT NAME	LOCATION	CLIENT	Approximate Value
2024	Genrator Control Panels	Dammam	Star Trading	SAR 7,500,000
2023	Control panel for water treatment and waste treatment	Dammam	Star Trading	SAR 3,500,000
2019 2020	Upgradation of Scada to latest Hardware and Software	Makkah clock tower	Drake & Scull International	SAR 800,000
2017 2019	Operation & Maintenance of Scada system	Makkah clock tower	Alborj Intl for Operation and Maintenance	SAR 4,200,000
2017	SCADA System for Sewage water treatment Plant	Aramco Jizan	SSEM	SAR 525,000
2016 2020	Bms Automation & Management system	KSBAU for health and sciences	Nesma Trading Ltd	SAR 2,800,000
2011 2016	Electromechanical Monitoring and Management System for SAR-S&T-100	North South Railway KSA	SBG-PBAD	SAR 24,000,000
2011 2016	Wireless (GSM & Satellite based) Video Security System for Shelters of SAR-S&T-100 Project	North South Railway KSA	SBG-PBAD	SAR 600,000
2011	Design, Supply, Installation, Testing & Commissioning of battery charger systems for Sports City Jeddah	Sports City Jeddah	AL-SAFWAH Est.	SAR 450,000
2011	Supply and Installation of 50 No. of 100W LED HighBay Warehouse Lights	Jeddah	Jotun Saudia Co. Ltd	SAR 120,000
2011	Supply and Installation of High Power LED 50W Flood Lights for Warehouse	Jeddah	Jotun Saudia Co. Ltd	SAR 100,000
2009 2010	Central Control and Monitoring System (CCMS) for New Load Center at KAAIA	King Abdul Aziz Int'l Airport - Jeddah	SAFARI	SAR 800,000
2009	Integrated Campus Automation System Interface for building UN 2600 and UN2700 at KAUST	KAUST-Thuwal	Drake & Scull International	SAR 3,000,000
2009	Automatic Capacitor Bank Control System	Riyadh	Al-Fanar Automation Company	SAR 400,000
2008 2010	PLC based Water Management System for ZAMZAM Well-1	ZAMZAM Well-Makkah	SSEM	SAR 500,000
2008-09	Power Monitoring System	KAUST-Thuwal	SBG-GEDAC	SAR 2,800,000
2008	PLC based Automated Transfer Switch (ATS)	Hajj Terminal Jeddah	SBG-GEDAC	SAR 250,000
2008	PLC based Synchronization and Control system of Power Plant	Sports City Jeddah	Al-Olayan	SAR 250,000
2008	PLC based Control System for Chock Blowers of Arabian Cement Co.	Rabigh	Arabian Cement Co.	SAR 80,000
2008	RTUs for two additional RMUs	Khalidiyah Palace Jeddah	SBG-RPD	SAR 140,000
2008	Cabling of Control System of MV Switchgear and Generators	KAAIA Royal Terminal Jeddah	SBG-RPD	SAR 200,000
2008	Chiller's Control and Sequencing System	Prince Sultan Azizia Palace	SBG-RPD	SAR 150,000
2008	Central Control and Monitoring System (CCMS) Modification	Khalidiyah Palace Jeddah	SBG-RPD	SAR 350,000
2007-10	SCADA and Monitoring System for buildings UN 2600 and UN 2700 at KAUST	KAUST-Thuwal	Drake & Scull International	SAR 500,000

Some Successful Delivered Projects References & Their Approximately Value

YEAR	PROJECT NAME	LOCATION	CLIENT	Approximate Value
2007-10	SCADA for complete MV Switchgear Network at DOKAAE	DOKAAE-Makkah	SBG-GEDAC	SAR 6,000,000
2007-08	Central Control and Monitoring System (CCMS)	King Abdul Aziz Int'l Airport - Royal Terminal Jeddah	SBG-GEDAC	SAR 600,000
2007-08	Modification of Central Control and Monitoring System (CCMS)	Prince Khaled Bin Sultan Palace- Riyadh	SBG-GEDAC	SAR 250,000
2007	PLC based Modification of Power Plant Load Shedding Suppression System	Rabigh	Arabian Cement Co.	SAR 250,000
2007	BMS interface implementation of RMUs, Transformers and MV&LV Switchgear	Prince Turki Bin Naseer Palace Obhur	SBG-RPD	SAR 160,000
2007	Automation of Water Pumping Station	Salboukh and Bowaib, Riyadh.	SBG-GEDAC	SAR 70,000
2007	Consultancy, Management, Supervision for revival of Waste Water Treatment Plants	Royal Commission Yanbu	MARAFIQ	SAR 650,000
2007	Automation of Aluminum Sheet bending Machine	Jeddah	C.CO	SAR 60,000
2006-07	PLC based Remote Switching System Programming and Testing of 04Nos. PLC based	Riyadh	EPS Schneider Electric Riyadh	SAR 120,000
2006	ATS and Control System	Mansooriah Madinah	SBG-GEDAC	SAR 150,000
2006	PLC based Alarm Annunciation System at Wazeria Substation	Jeddah	SSEM	SAR 1,500,000
2006	PLC based Power Load Management System	Rabigh	Arabian Cement Co.	SAR 350,000
2006	Services for Rental Power Sourcing for 11MW Power Plant Expansion	Yanbu	Cristal Arabia Yanbu	SAR 300,000
2006	Automation Diagnostic and Troubleshooting System	Riyadh	Henkel Arabia Riyadh	SAR 50,000
2006	Programming and Testing of PLC based ATS and Control System	Makkah	SBG-GEDAC	SAR 100,000
2005-06	SCADA System for Power Plant Expansion	Yanbu	Cristal Arabia Yanbu	SAR 390,000
2005	PLC based Alarm Annunciation System at E-EH2 Substation	Jeddah	SSEM	SAR 120,000
2005	PLC based Alarm annunciation System at Bani-Malik Substation	Jeddah	SSEM	SAR 120,000
2005	Designing, Interfacing, Installation and testing of RTUs for 12Nos. Substations.	Makkah and Taif	ABB Contracting Jeddah	SAR 1,200,000
2004-06	Pipeline RTUs Instrumentation and Control of Makkah Pumping Station	Makkah	ABB Automation	SAR 650,000
2004	Replacement and exchange of Generator control panels	Makkah Pumping Station	ABB Automation	SAR 500,000
2003	Automation of liquid soap filling system	Riyadh	Henkel Arabia Riyadh	SAR 75,000
2002-07	Synchronization and Troubleshooting of various SCADA and CCMS	Various	Siemens Saudi Arabia	SAR 400,000



شهادة السجل التجاري

شركة امبيلا بزنس اند تكنولوجيا سينتر
للمقاولات

البيانات الأساسية للسجل التجاري



7040896008

الرقم الوطني الموحد: 7040896008

تاريخ الإصدار: 09/07/2024

نوع الكيان: شركة ذات مسؤولية محدودة

صفات الشركة: (شخص واحد)

حالة السجل: نشط



Investment Registration Certificate شهادة تسجيل الاستثمار

الموقع Location	جدة	رقم الهاتف Phone	+9661505647492	اسم المنشأة	شركة امبيلا بزنس اند تكنولوجيا سينتر للمقاولات
رأس المال Capital	500000 SAR	الجوال Mobile	+966546703373	Entity Name	Ambela business and technology center للمقاولات
العنوان Address	Saudi Arabia , جدة	البريد الإلكتروني Email	mohammedkhan02024@gmail.com	Legal Entity	شركة ذات مسؤولية محدودة
أسماء الشركاء Shareholders Names	امبيلا بزنس اند تكنولوجيا سينتر	رقم المستثمر Investor No	1139738	الجنسية Nationality	الحصة Share
Ambela business and technology center	Ambela business and technology center			Pakistan	100.0 %

You can verify this document and find more details about the investment registration and its related activities by visiting the Ministry of Investment's website or by scanning the QR code at the top.

يمكنكم التحقق من صحة هذه الوثيقة ومعرفة تفاصيل أكثر عن بيانات التسجيل الاستثماري والأنشطة المرتبطة به من خلال زيارة موقع وزارة الاستثمار أو مسح الرمز أعلاه.



100241111383676



TIN 3123858051 الرقم المميز
Certificate No. 100241111383676 رقم الشهادة
Certificate date 14/07/2024 تاريخ الشهادة

هيئة الزكاة والضريبة والجمارك
Zakat, Tax and Customs Authority

المملكة العربية السعودية
Kingdom of Saudi Arabia

شهادة تسجيل في ضريبة القيمة المضافة VAT Registration Certificate

تشهد هيئة الزكاة والضريبة والجمارك بأن المكلف أدناه مسجل في ضريبة القيمة المضافة بتاريخ ٢٠٢٤/٠٧/١٤ م
The Zakat, Tax and Customs Authority certifies that taxpayer below is VAT registered on 14/07/2024 AD

Taxpayer Name	شركة امبيلا بزنس اند تكنولوجياي سينتر للمقاولات	اسم المكلف
VAT Registration Number	312385805100003	رقم التسجيل الضريبي
Effective Registration Date	2024/08/01	تاريخ نفاذ التسجيل
Taxpayer Address	جدة، جدة، طريق الملك عبدالله الفرعي، 22231	عنوان المكلف
CR / License Contact / ID No	4030563796	رقم السجل التجاري / الرخصة / العقد / الهوية
Tax Period	ربع سنوي - Quarterly	الفترة الضريبية
First Filing due date	2024/10/31	تاريخ استحقاق أول إقرار ضريبي

ملاحظة: كمكلفين مسجلين في ضريبة القيمة المضافة، لا يجوز لكم تحصيل ضريبة القيمة المضافة من عملائكم قبل تاريخ نفاذ التسجيل في الضريبة. وفي حال تبين غير ذلك ستقوم هيئة الزكاة والضريبة والجمارك بتنفيذ الغرامات المستحقة

Note: As a VAT registered taxpayer, you are not allowed to collect VAT from your customers prior to the effective date of the tax registration. If otherwise approved, The ZAKAT, Tax and Customs Authority will impose the applicable penalties

