



AHMED ELMALLA

Technical Manager

Saudi Arabia

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Objective:

Seeking a challenging position in an esteemed organization, that will utilize and further develop my Technical skills and knowledge.

International Projects

- Automatic Waste collection systems (Finland, Sweden, KSA),
- Multipurpose Production lines & Customized Machinery (Germany, USA, Malaysia, Brazil, Thailand),
- Medical Assembly lines (Malaysia, China),
- Machine Vision Systems (Germany, Malaysia, USA, UAE)

What I do

Automatic Control

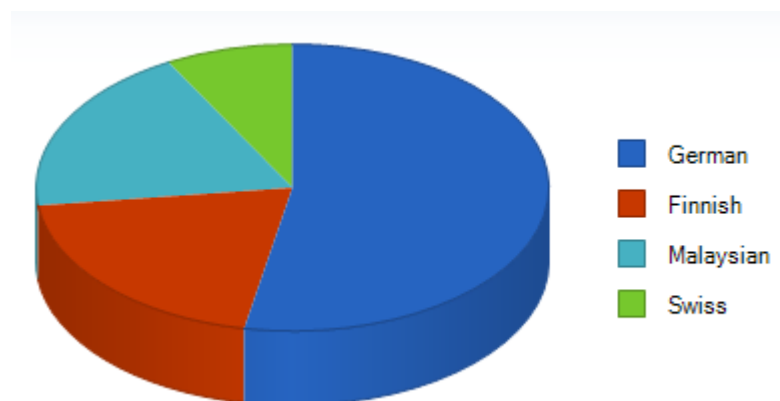
System Design & Coordination
System calculations
Startup & Commissioning.
Hardware configuration.
Research & Development
(micro precision wire bonding, high speed wire embedding, servo tuning, 4-axis co-ordination, real-time vision pro systems, real time C++ PLC interface libraries, medical process glue dispensing, etc.)

KSA = Kingdom Saudi Arabia

Summary

- A 39 yrs professional with 15 years of experience, 10 years of those were in 4 international companies, either managing or supporting multimillion projects in automation, machinery and production lines field.
- My work got me involved every engineering field necessary to support projects and solve technical issues either it was mechanical, electrical, R&D, SCADA or even software. Beside cost & risk management, business plans, etc.
- In addition to my BSc. degree in Electrical & computer engineering, I am a Certified Project Manager (APMG, UK), with post graduate diplomas in Industrial automation and Electrical CAD design.

I Worked for Whom



Work History

2016 -

Technical Manager

Present

SAC, (Saudi company – Installing & marketing Automatic Waste collection systems AWCS) Makkah, KSA

- Investigating & reporting different waste collection technology differences.
- Acting technical advisor for Makkah municipality (Waste Systems).
- Preparing Business plans, negotiating venture capitalists.

2013 - 2016

Technical Manager

MariMatic Oy, (Finish company manufacturing automatic waste collection systems- AWCS) Jeddah, KSA

- Participated in AWCS system installation and startup in Sweden, and AWCS system upgrade in Finland.
- Created the automation system architecture, P&I diagrams with their BOQs for a pilot USD \$4.5 M project in KSA (Mina Tents).
- Reviewed, revised and coordinated power & instrumentation designs and calculations produced by Finland teams & local consultants design teams for (Mina Tents project).
- Co-ordinate Electrical, mechanical & civil design work (from Finland, Dubai and KSA) and activities on site.
- Provided technical advice for mechanical installation issues.
- Sourced for Electro-Mechanical subcontractors & material suppliers.

Continued

PLC & PC Programming

PLC using ladder diagrams and function blocks.
SCADA & Vision systems applications using C# and VB.
PLC interface DLL Libraries using C++.
Web Development in PHP, MySQL, and code Igniter.
Web Scraping in PHP & Ruby
PLSQL & BASH scripts.

Mechanical

Machinery / Production design.
Electro-Mechanical Coordination.
Leading Machinery Installation.
Troubleshooting mechanical issues.
Leading Machinery Alignment.

Electrical Power

LV panels commissioning.
LV Panels Design co-ordination with both Automation & Mechanical.
Electrical Motors Maintenance.

Project Management

Cost control
Risk control
Material Purchasing.
Electrical design supervision
Mechanical design supervision
SCADA design supervision
FAT & SAT
Business plans.
Client relationship management

Projects Managed

- Projects Budgets (in USD) : ranged from 1.4 M TO 3.75 M.
- Projects durations: ranged from 6 month to 18 month.
- Projects locations: Germany, Malaysia, China, UAE.
- Number of Projects: 6

2012 -2013

Project Manager

HW Enterprise (Automation Systems Company), Malaysia

Company clients: EARTH (Abu Dhabi)

- Prepared Business Plans and visibility studies for custom made automation systems and machinery projects.
- Developed business relationships with clients in India and UAE.

2011 - 2012

Project Manager

Komax Systems Malaysia Sdn Brd , (Swiss company building machinery & production Lines), Malaysia

Company clients: Hewlett Packard, B.Braun and Sol-Millennium Inc.

- Managed 3 projects financially (valued USD ~4 M) and technically (Design - Electrical & Mechanical, build, and Install).
- Lead a multinational project Teams (Japanese, Swiss, German and Malaysian) of at least 15 professionals from different specialties (Mechanical, Electrical, and SCADA) in building and testing automatic systems and machinery.

2006 - 2011

Project Leader

Smartrac Automation Sdn Bhd, (German company building machinery & production Lines), Malaysia

Company clients: SMARTRAC Technology Wehnrarth GMBH, SMARTRAC Technology US, Multitape Technology, SMARTRAC Technology Brazil BV.

- Entered the company as an automation software engineer, later promoted to senior software engineer, and ended leading major project valued USD 1.4 M for a German client.
- Completed more than 30 machinery Projects.
- Scope of work included developing SCADA & PLC software, designing and building Vision systems, Research & development, troubleshooting mechanical design, overseas testing & commissioning (Germany, USA, Brazil, Thailand), and supporting overseas clients remotely.

2005 - 2006

Service Engineer

RHT, (Machinery services company), Malaysia

- Scope of work included maintaining automatic systems and machinery, developing partial SCADA software and providing support for sales team.

2003 - 2005

System Administrator

Miratex Co. (International Textile Company), Egypt

Continued

Projects Completed

- Projects nature: Automatic systems and machinery.
- Projects locations: Germany, USA, Malaysia, Brazil, China, UAE, and Sweden.
- Number of Projects: over 35 projects.

continued

2003 - 2005

- Scope of work included troubleshooting hardware (IBM Rack mounted servers) and software (Linux, Databases) failures, network system installation, testing & commissioning, and software development for fixing software computability issues.

2002 - 2003

Maintenance Engineer

El Nasr for Fertilizers Co. (Chemical Production Company), Egypt

- Scope of work included troubleshooting Electrical & Mechanical failures, leading 16 of the Electrical staff, preventive maintenance, and system upgrades.

2000 - 2000

Programmer Internship

CAD-UL AG (Embedded Systems Company), GERMANY

- Performed embedded systems Programming projects.

1999 - 1999

Machinery Engineering Internship

W.Schlafhorst AG (Machinery manufacturing company), GERMANY

- Performed automatic equipment assembly & sales work.

1998 - 1998

Automatic Control Internship

Suez Oil Processing Co. (Oil & Gas Company), Egypt

- Training on SCADA and Automatic controlled systems.
- Training on DCS Mod 300 - ABB.

1997 - 1997

Automatic Control Internship

NPC (Oil & Gas Company), Egypt

- Training on process control & Instrumentation technology.

Education

2012 - 2013

Post Graduate Diploma: Industrial Automation

Technocrat Automation

2013 - 2013

Post Graduate Diploma: Electrical CAD design

CADD Centre

1995 - 2001

Bachelor of Science: Electrical & Computer Engineering

Higher Technological Institute (HTI), Egypt

Certifications

2012 - 2013

Certified Project Manager - PRINCE2

APMG - UK

Candidate no. P2R / IN079488

International Clients

Makkah Municipality,
SBG-ABCD Group,
AEVS Niagara AB,
Tampere Municipality,
B. Braun,
Sol Millennium Inc.
SMARTRAC Technology
Wehnrarth Gmbh,
SMARTRAC Technology US Inc.,
Multitape Technology,
SMARTRAC Technology
Brazil Bv

PERSONAL DETAILS

Spoken Languages: English (Fluent),
Arabic, German (basic).

Nationality: Egyptian

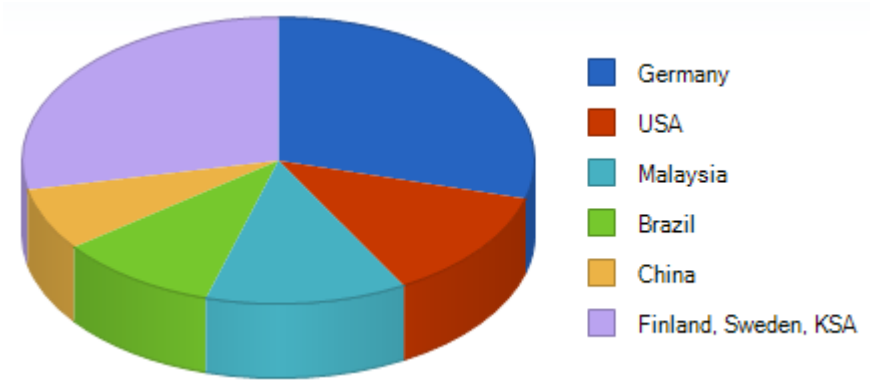
Date of Birth: 27/08/1977

Resident Address:
Abd allah al khaayat street, Azizia
,Makkah, KSA

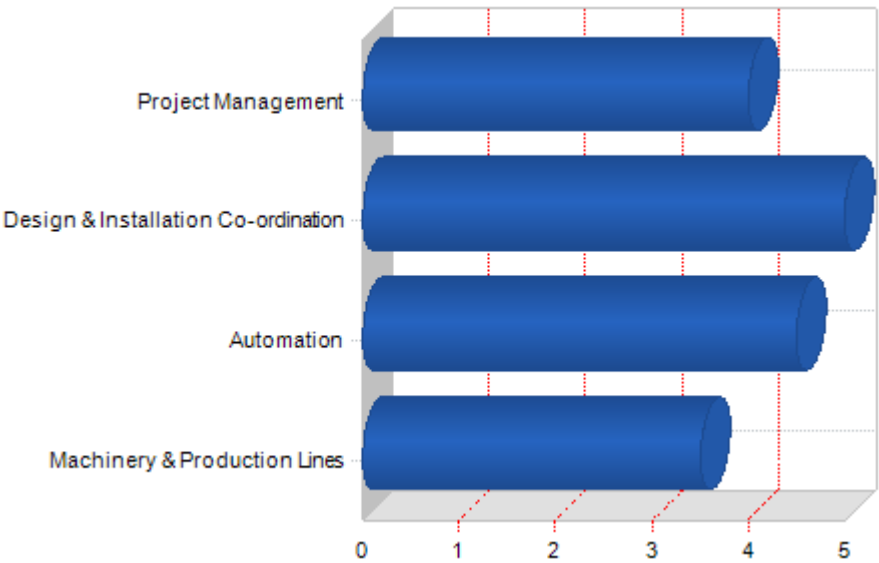
Permanent .Address:
21 lorong KTC 3/7,kulim techno city
,Kulim, Kedah 09000, Malaysia

KSA = Kingdom Saudi Arabia

International Projects



My Specialties



Competences



Project Management Tools

Oracle Primavera, MS Excel, MS Project, Citrix, ProAlpha (MRP)



CAD Tools

Electrical Auto Cad, Mechanical Auto Cad



Industrial Languages

Ladder Diagram, Function block diagram



SCADA

In Touch, Fix, Siemens WinCC, custom build SCADA



PLC Controllers

Omron, Allen Bradley (AB),ABB, GE-Fanuc, Siemens (S7), Keyence, Messung, Mitsubishi



Machinery

Servo Drivers, VFD, Motion Controllers, pneumatic control