

ABDELKARIM M. ABDELKARIM (MSc)



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SUMMARY

A multifaceted, bilingual and result oriented engineer holding a MSc of Sustainable Engineering with a special focus on renewable energy systems from the University of Strathclyde and a BSc in Electronic Engineering with a focus on Controls Engineering. Well exposed and diversified experience with a proven track record in delivering operational excellence, pragmatic strategies and championing engineering projects across multiple industries including Pharmaceuticals, Food & Beverages and Automotive. Being a reliable and supportive team player, seasoned with an international and multi-cultural background enables me to communicate effectively and motivate teams of diverse groups leading to bottom line results.

EDUCATION & WORK EXPERIENCE

Jan 2019 – Present Supervision and Management of several renovation and construction projects

Managed the renovation of the current GIZ Head Quarters in Khartoum and supervised over 20 direct labours and several subcontractors. Achieved great results and on time project delivery with very high standards. Supervised the renovation of a diplomat's residents in the Amarat area in Khartoum and achieved on time delivery with great results. Currently finishing a project for the extension of Mojo Gallery in Khartoum. These projects added a great deal to my project management skills and increased my self-confidants in tackling problems that arise during project execution.

Sept 2017 – Sept 2018 MSc in Sustainable Engineering – Renewable Energy Systems & the Environment

University of Strathclyde

Key Subjects: Energy Resources & Policy, Energy Power Systems, Energy System Analysis, Sustainability, Energy Modelling & Monitoring (ESP-r), Nuclear Power Systems, Marine Renewables and Risk Management.

Individual Project: A study of the challenges accompanied with the deployment of IoT (Internet of Things) services in the built environment.

Achieved Grade: *Distinction*

Jan 2016 – Sept 2017 Management Trainee

DAL Group | www.dalgroup.com

DAL Group is a privately held conglomerate with \$1.6Bn+ annual turnover & operated by 5000+ employees consisting of over 25 nationalities. Was selected as one of 14 out of 3000+ talent pool nationwide to join DAL Group's prestigious Management Trainee Program, based on leadership potential & academic achievements.

1. Handled the procurement of overseas spare parts for the Sayga Flour Mills, negotiated the quotations to achieve best prices and was successful in taking full responsibility for \$0.5 million worth of procurement and achieving savings amounting to just under \$50 thousand.
2. Negotiated the terms for establishing an assembly line with the KIA representatives alongside the PMO team. Liaised with the construction team in-order to locate suitable locations for the implementation of the project and actively supervised project execution achieving a successful delivery prior to the estimated timeline.

3. Carried out a process improvement project for the filling section in CAPO, the largest dairy factory in Sudan, aiming to eliminate waste and streamline procedures. I mapped the value stream, conducted a time motion study, pin pointed inefficiencies, bottle necks, optimized the process and managed change through the technical team resulting in over 20% reduction in lost time. This experience further developed my ability to work independently through personal initiatives giving me more confidence in leading projects.
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Jul 2015 – Aug 2015 Industrial Internship

Bashpharma Pharmaceuticals Company | <https://www.bashpharma.com/>

Bashpharma is Sudan's first pharmaceutical company to produce veterinary medicine in Sudan serving both local and regional markets. Assisted in the supervision of preventive maintenance of the machinery and ensured that the strict hygiene standards were adhered to by the technical team.

Mar 2015 – Apr 2015 Industrial Internship

Olympic Edible Oil Refinery

Olympic Edible Oil Refinery is a newly established factory with a capacity of over 40 thousand litres per day. Assisted in the inspection and commissioning of the factory's machinery and carried out a number of electrical faults troubleshooting.

Oct 2014 – Nov 2014 Industrial Internship

Afritec Gum-Arabic Sorting & Packaging | <http://afritecgum.com/>

Afritec is the leading Sudanese company in exports of Gum-Arabic and accounts for almost 60% of the world's Gum-Arabic export. Assisted in the planning and supervision for the pre-season preventive maintenance.

Sept 2009 - Jul 2014 BSc (Hons), Electronics – Control Engineering

University of Medical Sciences & Technology

Key Subjects: Circuit Theory, Analogue Electronics, Power Electronics, DC Machines & Transformers, Ac Machines, Control Theory, Microprocessors & Interfacing, Microcontrollers, Distributed Control, Real Time Control, Industrial Control.

Individual Project: Designed a microcontroller based traffic light system to address the problem of ambulances getting held in traffic which also allocated the green light time according to the number of cars in each lane. Achieved a grade of A* and proposed it to the authorities to be implemented.

Achieved Grade: *First-Class Honours*

Professional Training Courses

Electrical Installations Design, Electrical Power Equipment Testing & Commissioning, Business Process Management, PMP Prep Course, Finance, Advance Microsoft Office, Introduction to Law, Lean Management, Managing Difficult Interactions.

Volunteer Work

Al-Amal Charity Association, Co-Founder & Project Leader. Succeeded in fundraising, micro-financing and executing 20 projects resulting in financially securing 45 orphans alongside a team of 9 volunteers. Led disaster relief and food aid projects for Somalia. This experience added a great deal to my leadership and teamwork skills, also caused a drastic transition in my perspective towards life, making me more aware of the importance of giving back to the society.

Languages

English (Fluent), Arabic (Mother Tongue)

References

Available upon request