



**EL YASMINE RESIDENCE
EL KHARTOUM - SUDAN**



**ELITES LILAYI & LEOPARD
LUSAKA - ZAMBIA**



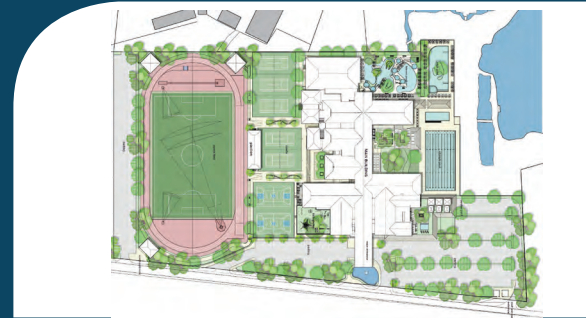
**IBIS STYLES HOTEL
ADDIS ABABA - ETHIOPIA**



**WADI DEGLA MIGAA GOLF CLUB
KIAMBU - KENYA**



**BAHIR DAR HOTEL
BAHIR DAR - ETHIOPIA**



**WADI DEGLA KAREN CLUB
KAREN DISTRICT, NAIROBI - KENYA**



**METRO COMPLEX
ADDIS ABABA - ETHIOPIA**



**DUSIT THANI HOTEL
ADDIS ABABA - ETHIOPIA**



**WADI DEGLA RUNDA CLUB
NAIROBI - KENYA**



**ETHIOPIA MOJO PLANT
MOJO - ETHIOPIA**



**METRO RESIDENTIAL BUILDING
ADDIS ABABA - ETHIOPIA**



**PULLMAN HOTEL
ADDIS ABABA - ETHIOPIA**

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ELECTROMECHANICAL DESIGN ENGINEERING GROUP



**FOUR POINTS BY SHERATON
ADDIS ABABA - ETHIOPIA**



**HILTON HOTEL
MEKELLE - ETHIOPIA**



**MINISTRY OF FOREIGN AFFAIRS
N'DJAMENA - CHAD**



**HYATT PLACE HOTEL
ADDIS ABABA - ETHIOPIA**



**M GALLERY HOTEL
ADDIS ABABA - ETHIOPIA**

ABOUT US

ELECTROMECHANICAL DESIGN ENGINEERING GROUP "EMDEG" was established in 1997 by Eng. Magdy Kamel as an electromechanical design office. Since then, it has developed rapidly, and now EMDEG is considered one of the top consultancy firms in Egypt specialized in Electrical & Mechanical works.

EMDEG has successfully executed more than 500 prestigious projects with very high proficiency and engineering excellence, presenting an impressive portfolio of electromechanical services in the national and international markets.

Outside Egypt, EMDEG has carried out projects in Saudi Arabia, United Arab of Emirates, Yemen, Bahrain, Lebanon, Oman, Chad, Sudan, Kenya, Ethiopia and Zambia. Since established, EMDEG has successfully cooperated with reputable national & international consultants, architects & management firms.

SERVICES & CAPABILITIES

EMDEG offers a comprehensive range of ELECTROMECHANICAL consulting services & solutions in the following fields of specialization.

BUILDING SERVICES ENGINEERING

Production of all schematic designs, single line diagrams, detailed technical drawings and tender documents for:

- Low & Medium Voltage Substations.
- Low & Medium Voltage Power Distribution.
- Emergency & Uninterruptible power Systems.
- Lighting Design, Control Systems & Specialized Lighting Effects.
- Fields & Sports Facilities Lighting Design.
- Earthing & Lightning Protection Networks.
- Fire Detection, Alarm & Evacuation Systems.
- IP Based Voice & Data Networks.
- IP Television System.
- SMATV & CATV Systems.
- Sound & Public Address Systems.
- Audio Visual & Digital Signage Systems.
- Master Clock, Time Attendance & Parking Control Systems.
- Security Systems "Access Control, CCTV & Intrusion Detection".
- Special Systems For Hospitals & Hotels.
- HVAC Systems.
- Plumbing Systems.
- Fire Fighting Systems.
- Kitchen & Laundry Equipment Design.
- Swimming pools & Water Features Systems.
- Boilers & Pumping Stations.
- Medical Gases Systems For Health Care Facilities.
- Mechanical Transportation Systems.
- Building & Energy Management Systems.
- Automated Control Systems & Home Automation.

INFRASTRUCTURE PLANNING

Production of all schematic designs, single line diagrams, detailed technical drawings and tender documents for:

- Low & Medium Power Distribution Networks & Substations.
- Low Current systems Networks.
- Fiber To The Home "FTTH" Networks.
- Streets & Green Areas Lighting.
- Diesel Power Generation Plants.
- Sewage & Waste Water Networks.
- Domestic Water & Fire Fighting Networks.
- Irrigation Networks.
- Desalination & Water Treatment Plants.
- Gasoline Storage & Distribution Networks.
- District Cooling Plants & Networks.

Besides our main target which is preparing design & construction documents EMDEG is also covering the following activities

- Technical Specifications & Bill Of Quantities.
- Pre-Tender Cost Estimates.
- Evaluation of Bids & Contract Negotiations.
- Electromechanical Project Management.
- Site Supervision & Quality Assurance.
- Site Testing & Commissioning.
- Value Engineering.
- Feasibility Studies.
- Renovation, Rehabilitation & Upgrading Works.
- Shop Drawings, As Built & Coordination Works.
- Final Handing Over.
- Field Investigation, Surveying & Data collection.
- Electromechanical Green Buildings Consultancy.



ELECTROMECHANICAL DESIGN ENGINEERING GROUP

AFRICA PROJECTS