



ENGINEERING SOLUTIONS



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KAD Engineering Solutions (Pvt) Ltd, is an Engineering Firm with a team having more than 10 years in design and consultancy experience, which undertakes all aspects of designing total MEP solutions, covering large and medium scale facilities, such as health care facilities, commercial buildings, industrial buildings and residential buildings. The heart of the company is a qualified group of energetic professionals, blended with a set of innovative tools, simulation with powerful software and correct application of technology to achieve heights in Engineering.





OUR VISION

To be top most leading company renowned for excellence, quality, performance and reliability in any commercial facility design sector and MEP sector.





OUR MISSION

Our team of expertise strive to deliver the highest standard MEP Consultations, carefully paying attention to our client requirements, collaborating in the development of the right scope of work.



WE PERFORM IN

- ✓ Total Mechanical, Electrical and Plumbing (MEP) solutions
Design and Installation
- ✓ Green building consultancy
- ✓ Project management.
- ✓ Facility management.
- ✓ BIM modeling



Total *MEP* Solutions - Design and consultation

- ✓ HVAC systems
- ✓ Fire protection, detection and suppression systems
- ✓ Elevators, escalators and hoists
- ✓ Centralized gas supply and leak detection systems (compressed air, LP gas etc.)
- ✓ Medical gas piping systems
- ✓ Industrial and domestic hot and cold water supply systems
- ✓ Rain water harvesting systems
- ✓ Plumbing systems (sewer, waste water, storm water, process water etc.)
- ✓ Swimming pools and water features
- ✓ Steam distribution systems
- ✓ Electrical systems (HT, penal and transformers/Generators, Power Supply & Distributions, Lighting Systems, surge protection systems, capacitor banks)
- ✓ Extra low voltage systems (CCTV, MATV, wired and wireless data networking systems)
- ✓ Building management systems (BMS)
- ✓ Access control systems

Green Building Consultancy

We are providing consultancy on green building accreditation and navigating the clients towards sustainable built environments with following strengths;

- ✓ Use of effective simulation tools for optimized design (eQUEST, Dialux, Revit MEP etc.)
- ✓ Innovative energy efficient measures
- ✓ Optimized material usage methods



Project management

- ✓ Quantity surveying with effective Building Information Modeling (BIM) tools
 - ✓ BOQs
 - ✓ Contractual documents
 - ✓ Cost estimations
 - ✓ Procurement management

Facility Management services

Facility management is an interdisciplinary field primarily devoted to the maintenance and care of commercial or institutional buildings, such as hospitals, hotels, office complexes, schools, residential building or convention centers.

- ✓ Building operational management
 - ✓ Building maintenance
 - ✓ Preventive maintenance
- ✓ Energy auditing and management
- ✓ Safety auditing and health care



HEALTHCARE FACILITY DESIGN

EMS HOSPITAL, BATTICALOA



Batticaloa Accident and
Emergency Unit



Batticaloa Accident and
Emergency Unit



Kalubowila Millennium
wards



Stem Cell Transplant
Unit, LRH



Operation Theaters,
LRH



Medi Help Hospital,
Horana



OUR PROFESSIONALS PERSONAL EXPERIENCE

Name	Specialty	Experience	Major Projects
Eng. D M K P Weeraratne	Director BSc. Eng (Hons) UOM, AMIE(SL), GreenAP (GBCSL), MGAP (UK)	12 Years - Mechanical related building services design and consultancy for Hospitals	• JICA Funded Cardiology complex Kandy, Anuradhapura, Trinco, Kurunegala • Kalubowila Millennium ward • LRH Little hearts project
Eng. Danushka Amarasinghe	Electrical Engineer BSc. Eng (Hons) UOP, MIE(SL)	11 Years - Electrical design and project management	• LRH Stem cell transplant Unit3 • Accident and emergency units in Badulla, Trincomalee, Batticaloa, Kaluthara, Jaffna etc
Eng. Chathura Arthanayake	Civil Engineer BSc. Eng (Hons)UOR, AMIE(SL),	10 Years - Plumbing design and consultancy	• PBU Unit at DMH • Kandy Bone Marrow transplant unit • Batticaloa cardiology unit • Linear accelerator projects Badulla • Covid ICUs • Renal care units Batticaloa, Anuradhapura, Trincomalee

EXPERIENCE OF KAD ENGINEERING SOLUTIONS

Project	Year	Description	Scope
Medi Help Hospital, Mount Lavinia	2023 - 2024	Design and Consultation	• HVAC System for two operation theaters
EMS Hospital, Batticaloa	2018 - 2021	Design review and consultation of 6 stories hospital with 05 Operation theaters, ICUs, Labor Rooms and Emergency Unit	• HVAC System • Piped Medical Gas System • Fire Protection and detection system • Bed Lifts
Medi Help Hospital, Horana	2020 - 2021	Design and Consultation	• HVAC System for two operation theaters
Kalu Ganga Reservoir	2020 - 2021	Solar Street Lighting	• Installation of Solar powered street lights
Gampaha Hospital	2020 - 2021	Air Conditioning system	• Upgrading of Air conditioning system with new magnetic bearing chillers and AHUs
TRISCHELL FABRIC (pvt) Ltd	2021	Fire Protection System	• Renovation
TRISCHELL FABRIC (pvt) Ltd	2021 - 2022	Fire Protection System	• Service and Maintenance



THANK YOU!

Contact us: kadengsolutions@gmail.com

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