



DESIGN SOLUTIONS
DESIGNED TO ELEVATE BUILT TO LAST

PORTFOLIO **AK INTEGRATED ENGINEERING**

"Integrated Engineering. Delivered with Certainty"





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COMPANY PROJECT PORTFOLIO

Company Overview

AK Integrated Engineering – Design Solutions Egyptian company is a multidisciplinary engineering and construction firm providing integrated Design, Build, Interior Design, Fit-Out, and Project Management services. The company delivers high-quality engineering solutions aligned with international standards, tailored to client objectives, budgets, and timelines.



Corporate Identity & Positioning

AK-Integrated Engineering – Design Solutions is a multidisciplinary Design&Build Development Company delivering end-to-end engineering, construction Interior Design and fit-out solutions across commercial residential, mixed-use, hospitality retail, healthcare and industrial projects in Egypt and the region.

International Standards

Operating under international project delivery models

Multidisciplinary Approach

Specialized local market expertise combined with international best practices to deliver projects across various sectors with exceptional quality and efficiency.

End-to-End Solutions

Specialized local market expertise combined with international best practices to deliver projects across various sectors with exceptional quality and efficiency.

Market Presence: **Egypt & Targeted Gulf Market**

Specialized local market expertise combined with international best practices to deliver projects across various sectors with exceptional quality and efficiency.

Our **philosophy**



OUR **VISION** :

It is the delivery of projects to the highest levels of quality, according to specifications within budget and on time. We want to be known for our exceptional employees great service and effective results



OUR **VALUES** :

They are collective beliefs that guide our behaviors to achieve the best in terms of openness, trust and integrity passion for quality - priority of teamwork responsibility for our actions



OUR **MISSION** :

Everyone is committed to providing distinguished service continuously and in the most effective way so that our customers, shareholders and employees benefit in a sustainable way



CORE Value Proposition



Single-Point Responsibility

Complete design and construction under one roof



International Standards

Global engineering benchmarks and best practices



Local Market Expertise

Deep knowledge of Egyptian & Target Gulf market conditions



Fast-Track Delivery

Accelerated project timelines without compromising quality



Integrated Teams

Seamless coordination between technical and construction teams



" Our integrated approach combines international best practices with local expertise to deliver projects efficiently and effectively " **Designed To Elevate Built To Last**



Market Sectors We Serve



Corporate & Commercial

Office buildings,
headquarters, and
commercial facilities



Residential Developments

Luxury residential
compounds and
housing projects



Retail & Mixed-Use

Shopping centers and
mixed-use commercial
developments



Hospitality & F&B

Hotels, restaurants, and
hospitality facilities



Healthcare & Education

Hospitals, clinics,
schools, and educational
facilities



Industrial & Logistics

Warehouses, factories,
and industrial facilities

Our Services



Design

Comprehensive architectural and engineering design services



Build

Turnkey construction solutions with local expertise



Construction Management

Professional construction management services from planning to project completion.



Fit-Out

Professional interior design and execution services

Design & Engineering Department

International Design Office Model

Sub-Disciplines



Architectural
Design



MEP
Engineering



Landscape
Design



Structural
Engineering



Interior
Architecture



Facade
Engineering

Capabilities



Corporate
Offices



High-End
Residential



Retail
& Commercial



Hospitality
Projects



Design & Engineering Department

International Design Office Model

Capabilities



Design Services

Concept, Schematic, Detailed & IFC Design



BIM Coordination

BIM-Based Coordination (LOD 300–400)



Code Compliance

Egyptian Code, NFPA, ASHRAE, BS, Eurocodes



Value Engineering

Cost optimization without compromising quality

Design for **Constructability**

Our design process emphasizes constructability, ensuring designs are practical, efficient, and cost-effective to build.

Design-Build & Construction Department

(EPC & Design-Build Delivery Model)

Scope



Turnkey Projects

Complete solution from design to completion



Fit-Out Works

Complete interior finishing



Shell & Core

Building infrastructure framework



Fast-Track

Accelerated project delivery

Construction Expertise



Concrete

& Steel Structures



MEP

Installation



Architectural

Finishes



Interior

Fit-Out

Project Experience



Office
Fit-Outs



Retail
Fit-Out



Residential
Buildings

Project Construction Management Department

PMC & Employer's Representative Model

Scope



Feasibility Studies

Market analysis and project viability assessment



Project Planning & Scheduling

Comprehensive project planning and timeline management



Cost Control & Budget Management

Financial oversight and budget optimization



Risk & Change Management

Proactive identification and mitigation strategies



Contractor Coordination

Seamless management of project stakeholders



Progress Monitoring & Reporting

Regular tracking and performance analysis

Project Construction Management Department

PMC & Employer's Representative Model

Professional Standards



PMI / PMBOK Methodology

Project Management Institute standards and best practices



FIDIC Contract Administration

International high-standard contract management



Earned Value Management (EVM)

Advanced project performance measurement

Project Experience Reflected



Multi-Discipline

Developments



Fit-Out

Rollout Programs



Phased

Construction Projects



Developer

Led Master Plans

Technical Office & BIM Department

International Technical Office Structure

Core Capabilities



Shop Drawings
Arch / Str / MEP



Method Statements



Material Submittals & Samples



Quantity Take Offs & BOQs

Core Capabilities



AutoCAD



Navisworks



MS Project



Revit



Primavera P6



CostX / Excel BOQs

Core Capabilities



Complex Fit-Out Projects



High-Rise Coordination

Quality, Health, Safety & Environment (QHSE)

ISO-Based Management Systems



ISO 45001

Occupational
Health & Safety



ISO 14001

Environmental
Management



ISO 9001

Quality
Management

QHSE Practices



Project
Quality Plans (PQP)



Inspection
& Test Plans (ITP)



Toolbox Talks
& Safety Audits



HSE Risk Assessments
& Method Statements

Project Experience Reflected

Zero-Accident Fit-Out Projects

Authority-Approved Installations

Safe Fast-Track Construction

Commercial & Contract Management Department

International Commercial Control Model

Our department ensures project financial success and contractual compliance through international standards and local expertise.

Contract Administration

Management of client and contractor agreements.

Cost Planning & Cash Flow

Budgeting and financial forecasting.

Variation & Claims Management

Accelerated project delivery

Subcontractor Procurement

Selection and management of subcontractors

Final Accounts Settlement

Project close-out and financial closure.

Adhered **Standards & Regulations**



FIDIC



NEC



Egyptian
Contract Law

Fit-Out & Interior Solutions Department

International Fit-Out Contractor Model

Scope



**Corporate
Offices**



**Hospitality
& F&B**



**Retail
& Showrooms**



**Residential
Interiors**

Capabilities



**High-Quality Joinery
& Custom Finishes**



**Lighting
& Smart Controls**



**Ceiling Flooring
& Wall Systems**



**Acoustic
& Fire-Rated Systems**



**Mock-Ups
& Material Control**

Project **Experience**



**Executive
Offices**



**Luxury
Residential Units**



**Branded
Retail Stores**



**Clinics
& Medical Facilities**

Development & Client Advisory Department

Developer Support & Advisory services for mixed-use, commercial and fit-out projects.



Concept Development

Strategic planning and design optimization



Budget Benchmarking

Cost optimization and financial planning

Project Experience Reflected



Developer
Led Mixed-Use



Commercial
Investment Projects



Fit-Out
Budget Optimization

Management & Governance Systems

AK-Integrated Engineering employs a robust Integrated Design-Build Governance framework for project success.



Stage-Gate Design Reviews

Structured review process ensuring design quality and alignment with project objectives.

Cost & Risk Committees

Committees overseeing cost control, risk management, and financial discipline.

Authority Approval Management

Systematic approach to obtaining and managing regulatory approvals.

Stakeholder Communication

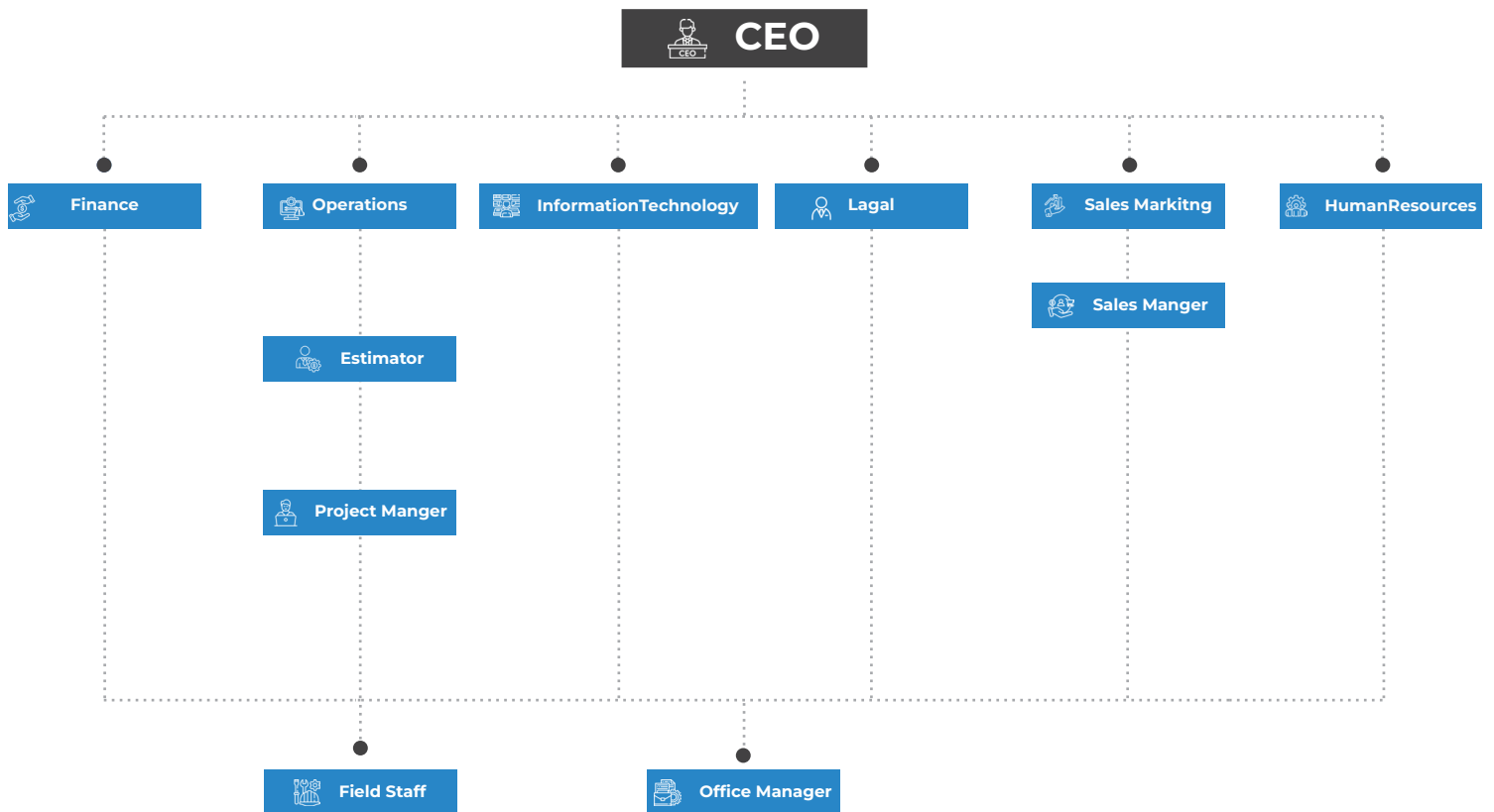
Defined protocols ensuring clear communication with all project stakeholders.

Integrated Design-Build Governance

Unified framework integrating design and construction processes, creating clear accountability and standardized decision-making across project phases.

Company Hierarchy & Organization Chart

AK-Integrated Engineering – Design Solutions



Design Capabilities & Standards

Our design department delivers comprehensive solutions from concept to completion adhering to international standards and local regulations.

Design Levels

Concept Design
Schematic Design
Detailed Design
IFC Level Design

BIM Capabilities

LOD 300-400 Coordination
Clash Detection
Coordination Services

Code Compliance

Egyptian Code
NFPA Standards
ASHRAE Requirements
BS Standards
Eurocodes

Value Engineering

Optimizing designs for cost efficiency without compromising quality or functionality.

Design for Constructability

Creating designs that are efficient to build, minimizing construction challenges.



Construction Expertise & Delivery

Construction **Expertise**



Concrete
& Steel Structures



Architectural
Finishes



External Works
& Infrastructure



MEP Installation
& Commissioning



Interior Fit-Out
(High-End & Commercial)

Project **Experience**



Grade-A
Office Fit-Outs



Commercial
Retail Fit-Out



Healthcare
& Educational Facilities



Residential
Buildings & Villas

Delivery Method: EPC & Design-Build

Turnkey Design-Build Projects, Shell & Core Construction, Complete Fit-Out Works, Renovation & Refurbishment, and Fast-Track Projects.

Technical Tools & Software

AK-Integrated Engineering leverages advanced technology stack to ensure precise project delivery and seamless collaboration across all project phases

Design & BIM Tools



AutoCAD

2D drafting and design documentation



Revit

Building Information Modeling for integrated design



Navisworks

BIM-based coordination and clash detection (LOD 300–400)

Project Management



Primavera P6

Advanced project planning and scheduling



MS Project

Flexible project management for smaller teams



Earned Value Management

Performance analysis and forecasting

Technical Tools & Software

AK-Integrated Engineering leverages advanced technology stack to ensure precise project delivery and seamless collaboration across all project phases

Cost & Quantity Tools

CostX

Advanced BOQ management and cost estimation

Excel BOQs

Customized quantity take-offs and cost planning

Material Submittals

Streamlined material selection and approval process



Integration Advantage: Our integrated software approach enables seamless data flow between design planning, and cost control phases, ensuring project certainty from concept to completion.

International Standards & Certifications

AK-Integrated Engineering maintains compliance with international standards and certifications to ensure project excellence and client satisfaction.

Design & Construction Standards

 **Egyptian**
Building Code


 **ASHRAE**
Standards

 **NFPA**
Standards

 **British**
Standards (BS)

 **Eurocodes**

ISO Management Systems

 **ISO 9001** – Quality Management
Ensuring consistent quality in project delivery and client satisfaction

 **ISO 14001** – Environmental Management
Minimizing environmental impact and promoting sustainable practices

 **ISO 45001** – Occupational Health & Safety
Ensuring safe working conditions and accident prevention

Project Experience Portfolio

AK-Integrated Engineering has delivered exceptional projects across diverse sectors



Corporate Offices

Grade-A office fit-outs
Executive office spaces
Corporate lobbies



Residential Compounds

High-end residential units
Luxury villas & apartments
Residential amenities



Retail & Commercial

Corporate retail fit-outs
Branded retail stores
Shopping mall spaces



Hospitality & Mixed-Use

Hotel interiors
Mixed-use development
spaces
Restaurant areas



Healthcare & Clinics

Clinic interiors
Medical office spaces
Healthcare equipment
rooms



Industrial & Warehousing

Industrial building fit-outs
Warehouse spaces
Specialized facilities

Why Choose AK Integrated Engineering

Our competitive advantages in the Egyptian & MENA Design Build market:

International Engineering Mindset

Global standards and best practices applied to local projects

Local Execution Strength

Deep market knowledge in Egypt & MENA region

Integrated Design-Build Model

Seamless workflow from concept to completion

Proven Fit-Out Expertise

Track record of successful commercial and residential fit-out projects

Strong Technical & Commercial Control

Balanced approach to project delivery with rigorous quality assurance and cost management

Our Commitment to Excellence

"Integrated Engineering Delivered with Certainty"



From Concept to Completion

End-to-end project delivery with integrated design and construction expertise



Designing Value

Creating innovative solutions that maximize return on investment



Building Confidence

Delivering projects with technical excellence and commercial integrity

Our Core Commitments



International
Engineering Standards



Local Market
Expertise (Egypt & MENA)



Fast-Track & Value
Engineered Delivery



Fully Integrated Technical
& Construction Teams

Client Portfolio & Relationships

Electronic House
Company

IPLUS
Company

SAC

Mr. Alaa
Abdelrahim

Mr. Lotfy
El-Masrawy

Mr. Ahmed
Hafez

Mr. Raafat
El-Hawary

Leaders
International College

Capital
Group


Our PROJECTS

Electronic House 2009

Commercial Shops

 Downtown - Cairo

 Client: Electronic House

 Consultant: Sherif Adel – SAC

B.U Area	Duration	Value
900 M ²	13 m	2.15 M



IPLUS Egypt Shops 2010

 El Haram - Cairo

 Client: IPLUS Company

 Consultant: SAC


B.U Area	Duration	Value
750M ²	8 m	17.8M



Al-Banafsaj 10 Villa 2011

 Al-Banafsaj - New Cairo

 Client: Electronic House

 Consultant: Sherif Adel – SAC

B.U Area	Duration	Units	Value
12M ²	18 m	7	12.4M




Our PROJECTS

Al-Banafsaj 7 Villa

2012

 Al-Banafsaj - New Cairo

 **Client:** Mr. Lotfy El-Masrawy

 **Consultant:** SAC


B.U Area	Duration	Units	Value
5.5 M ²	18 m	10	5.45 M



American University

2010

 New Cairo - Garden City

 **Client:** American University

 **Consultant:** SAC

B.U Area	Duration	Floors	Value
700M ²	16 m	5	9.95 M



Zizina Garden Compound

2014

 Zizina Garden Compound

 **Client:** Mr. Alaa Abdelrahim

 **Consultant:** Eng. Mohamed Ali

B.U Area	Duration	Value
1000 M ²	12 m	3.5 M





Our PROJECTS

Villa 142 - CFC

2015

 Cairo Festival City

 **Client:** Mr. Raafat Abdel Rahim
El-Hawary

 **Consultant:** Eng. Salwa Badeer


B.U Area	Duration	Value
1200 M ²	14 m	12.5 M




VGK Residential Compound

2015

 Palm Hills - Katameya

 **Client:** Mr. Ahmed Hafez

 **Consultant:** Eng. Mohamed Alwany

B.U Area	Duration	Value
450 M ²	8 m	4.2 M



Midtown Compound Penthouse

2017

 Metro Giza Area - Cairo

 **Client:** Mrs. Dalia Abdel Rahim

 **Consultant:** Eng. Ezz El-Din

B.U Area	Duration	Value
300 M ²	8 m	1.8 M





Our PROJECTS

Villa 1016 - PK2

2023

 Palm Hills - New Cairo

 Client: Mr. Ahmed Hafez

 Consultant: Eng. Mohamed Alwany

B.U Area	Duration	Value
650 M ²	14 m	16 M




Villa 48 - CFC

2025

 Cairo Festival City

 Client: Mr. Omar Raafat Abdel Rahim El-Hawary

 Consultant: Eng. Salwa Badeer

B.U Area	Duration	Value
500 M ²	12 m	5 M



Villa 234 - Katameya

2025

 Katameya Dunes Compound

 Client: Mr. Mohamed Osman

 Consultant: Eng. Salwa Badeer


B.U Area	Duration	Value
1200 M ²	14 m	13 M



Our PROJECTS

Nursery Renovation (Phases 1-2) 2025

 Downtown Cairo - Educational District


 Client: Mr.Hussein El-Sisi


 Consultant: Midad Engineering Consultancy


B.U Area	Duration	Value
900 M ²	3 m	17 M



Katameya Dunes Compound 2025

 El Gouna - Red Sea Coast

 Client: Mr. Hussein El-Sisi


 Consultant: Eng. Salwa Badeer

B.U Area	Duration	Value
1200 M ²	14 m	15 M



Nursery Renovation (Phases 3) 2026

 Downtown Cairo - Educational District

 Client: Mr. Hussein El-Sisi

 Consultant: Midad Engineering Consultancy

B.U Area	Duration	Value
1000 M ²	4 m	19 M





DESIGN SOLUTIONS
DESIGNED TO ELEVATE BUILT TO LAST



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