



REACHING NEW HEIGHTS

# Aviation Group

**GHAFARI**

SPACE  
TO  
THRIVE



## Globally recognized as aviation experts, Ghafari uses rigorous methodologies to streamline the industry's toughest projects.



Our experience in the aviation industry spans the entire spectrum of airport facilities, from passenger terminals and aircraft maintenance hangers, to cargo centers and mission-critical facilities. Our approach is rooted in a strong understanding of each facility—from the role it plays in our client's business to the way it fits within an existing airport environment.

Based on this understanding, we elevate efficiency in project delivery, saving time and costs while minimizing interruptions to normal operations. Throughout the process our integrated aviation group combines industry expertise with advanced methodologies to bring businesses goals, facility processes, and passenger needs into harmony.



## MARKET SERVICES

### CONSULTING

3D Building Information Modeling  
Airport and Site Master Planning  
Business Process Design and Evaluation  
Cost / Benefit Analysis  
Discrete Event Simulation  
High-Definition Laser Scanning  
Integrated and Lean Project Delivery  
Material Flow and Value Stream Mapping  
Material Handling Applications Design  
Sustainability  
Tactical Operations Planning  
Work Environment Design

### ARCHITECTURE + ENGINEERING

Architecture  
Civil Engineering  
Construction Administration  
Data and Telecom Engineering  
Electrical Engineering  
Facility Assessments  
Facility Planning and Programming  
Fire Protection Engineering  
Interior Design  
Mechanical and Plumbing Engineering  
Safety and Security Design  
Structural Engineering

### CONSTRUCTION

Construction Management  
Contract Documentation  
Cost Control  
Design-Build Management  
Owner's Representation  
Program Management  
Project Management

## SYSTEMS + OPERATIONS

Aircraft Maintenance Operations Planning  
Baggage Handling Systems  
Catering Operations Planning  
Cargo Handling Systems  
Flight Training Facility Planning  
High Speed Parcel Sortation  
In-Line Baggage Screening Systems  
Passenger Process Planning  
Ramp Operations Planning  
Security Systems

## FACILITY TYPES

Air Cargo Processing Centers  
Air Express Hubs  
Aircraft Maintenance Facilities  
Airport Rescue and Fire Fighting Facilities  
Airport Traffic Control Towers  
Catering Facilities  
Corporate Hangars  
Distribution Centers  
GSE + Airport Maintenance Facilities  
Mail Handling Facilities  
Passenger Terminals  
Terminal Radar Control Facilities  
Training Facilities + Simulators



**COVER, TOP LEFT:** Detroit Metro Airport North Terminal **PREVIOUS PAGE:** Detroit Metro Airport North Terminal **TOP RIGHT:** FedEx Memphis Aircraft Maintenance Base **MIDDLE LEFT:** Azul Brazilian Airlines MRO Center **MIDDLE RIGHT, BOTTOM LEFT:** Qatar Air Cargo Complex **BOTTOM RIGHT:** FedEx Express Asia Pacific Hub







## REPRESENTATIVE CLIENTS

Abu Dhabi Airports Company  
AeroMéxico  
Alaska Airlines  
American Airlines  
AMMROC  
Avianca  
Azul Brazilian Airlines  
Chicago Department of Aviation  
Delta Air Lines  
FedEx Express  
Hamad International Airport  
JetBlue Airways  
Lufthansa  
Oman Air  
Qatar Airways  
SAEI / Saudi Arabian Airlines  
United Airlines  
UPS Airlines  
US Navy  
Wayne County Airport Authority

## OFFICE LOCATIONS

Birmingham, Alabama USA  
Chicago, Illinois USA  
Dearborn, Michigan USA  
Detroit, Michigan USA  
Fort Worth, Texas USA  
Grand Rapids, Michigan USA  
Greenville, South Carolina USA  
Indianapolis, Indiana USA  
Mexico City, Mexico  
São Paulo, Brazil  
Baroda, India  
Istanbul, Turkey  
Abu Dhabi, UAE  
Jeddah, Saudi Arabia  
Muscat, Oman

## FOR MORE INFORMATION

Direct any questions to [info@ghafari.com](mailto:info@ghafari.com), and a regional representative will contact you to discuss how a Ghafari partnership can help your business thrive.

[GHAFARI.COM](http://GHAFARI.COM)

# #9

## RANKING

Ranked among the top 500 U.S. Engineering and Architectural firms by *Building Design and Construction*.

# TOP 5

## RANKING

We are ranked #4 on the *Building Design and Construction* Airport Facilities Engineering Firms list.

# TOP 20

## RANKING

We are ranked #19 on *Engineering News-Record's* top Airports designer list.

# GHAFARI