

Renewable Energy Solutions



Hydrometric & Environmental Solutions



Aerospace and Aviation Solutions



Operation, Maintenance and Rehabilitation



Education & Training Solutions



AI & Cybersecurity Solutions



FIRAS BALASMEH CORPORATION FOR CONTROL SYSTEMS "FB GROUP"

Aerospace & Aviation Solutions

- Renewable energy solutions
- Hydrometric & Environmental solutions
- Education & Training solutions
- AI & Cybersecurity solutions
- Aerospace & Aviation solutions
- Operation, Maintenance and Rehabilitation

+96264643756 info@fbgroup.com.jo Fbgroup.com.jo



AEROSPACE & AVIATION SOLUTIONS

'WE WILL FIND A SOLUTION, OR CREATE ONE'

1. Introduction

1.1 About Us

Firas Balasmeh Corporation for Control Systems "FB GROUP" is a Jordanian corporation that has been proudly serving the region since 2010. Headquartered in Jordan, FB GROUP is a dynamic organization that operates with a strong commitment to excellence and innovation in the fields of technology and engineering.



Our team is composed of highly experienced and multi-disciplinary engineers who bring a wealth of knowledge and expertise to every project. As a leading system integrator, FB GROUP specializes in delivering comprehensive services that help businesses and organizations connect with top-tier vendors, providing reliable and high-quality hardware, software, and professional services.

1.2 Vision

To be the trusted partner for businesses and organizations seeking innovative, reliable, and sustainable solutions in engineering, artificial intelligence, automation, energy, and environmental management. We are dedicated to driving progress and delivering exceptional value through our comprehensive suite of services.

FB Group is more than a service provider; we are a partner in your success, working alongside you to turn challenges into opportunities and goals into achievements.

1.3 Our Mission

To deliver superior solutions that meet the diverse needs of our clients, ensuring that every project is executed with precision, efficiency, and a focus on long-term success.

1.4 Our Objective

To be the leading provider of innovative, sustainable, and integrated engineering solutions in the Middle East, delivering unmatched value to clients across multiple sectors through cutting-edge technology, exceptional service, and a commitment to environmental and social responsibility.

We aim to drive growth and innovation while fostering long-term partnerships and contributing to the sustainable development of the communities and markets we serve.

This objective emphasizes FB GROUP's commitment to leadership in innovation, sustainability, and customer value, while also highlighting its dedication to social and environmental responsibility. It aligns with the group's diverse capabilities and its vision for growth and impact in the region.



AEROSPACE & AVIATION SOLUTIONS

'WE WILL FIND A SOLUTION, OR CREATE ONE'

1.5 What We Value

- **Innovation**
We are a company that keeps its promises.
- **Integrity**
We exceed customer expectations through continuous improvement in quality, service, productivity and time compression.
- **Excellence**
We provide our people with the tools, training and support to achieve excellence in customer satisfaction.
- **Sustainability**
Which we seek in every element of our business.
- **Collaboration**
We actively recognize the central role we occupy in the structure of society to improve the quality of life and the environment of a broad community.
- **Customer Focus**
Our clients are at the center of everything we do. We listen to their needs, understand their challenges, and tailor our solutions to ensure their success and satisfaction.
- **Continuous Improvement**
We are committed to continuous improvement, always learning, adapting, and evolving to stay ahead in a rapidly changing world, and to deliver the best possible outcomes for our clients.

1.6 What We Do

At FB GROUP, we are dedicated to delivering comprehensive, innovative solutions across a wide range of industries, with a focus on engineering excellence, environmental sustainability, and technological advancement. Our services are designed to meet the diverse needs of our clients, ensuring that we provide not only high-quality products but also the expertise and support necessary to achieve success in every project.

1. Engineering Services

We provide end-to-end engineering solutions, including design, consultancy, project management, and implementation. Our multidisciplinary team of engineers specializes in creating custom solutions tailored to the unique requirements of each project, from concept to completion.

2. System Integration

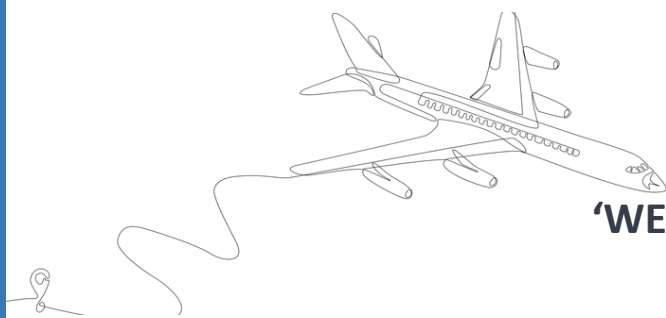
As a leading system integrator, we deliver seamless integration of advanced technologies in control systems, automation, and industrial processes. We ensure that our clients benefit from efficient, reliable, and scalable systems that optimize performance and productivity.

3. Turnkey Projects

We deliver fully integrated turnkey solutions, managing every aspect of a project from initial design and engineering to procurement, construction, commissioning, and operation. Our turnkey approach ensures that projects are completed on time, within budget, and to the highest standards of quality.

4. Training and Support

We provide specialized training programs and ongoing support to ensure our clients have the knowledge and skills needed to operate and maintain their systems effectively. Our training services cover a broad range of disciplines, empowering clients to maximize the value of their investments.



AEROSPACE & AVIATION SOLUTIONS

'WE WILL FIND A SOLUTION, OR CREATE ONE'

5. Consulting and Advisory Services

Our expert consultants offer strategic advice and technical guidance to help clients complex challenges, optimize operations, and achieve their business objectives. We work closely with clients to develop tailored solutions that address specific industry needs.

6. Supply of High-Quality Products

We source and supply a wide range of high-quality hardware and software products from leading manufacturers around the world. Our product offerings are selected to meet the stringent requirements of our clients, ensuring reliability, performance, and longevity.

7. Environmental and Sustainability Services

Committed to environmental stewardship, we offer services that promote sustainability, including environmental impact assessments, resource management strategies, and implementation of green technologies. Our goal is to help clients achieve their sustainability targets while enhancing operational efficiency.

8. Renewable Energy Solutions

FB Group is at the forefront of the renewable energy sector, offering comprehensive services in the design, installation, and management of solar, wind, and hybrid energy systems. Our commitment to sustainability drives us to provide energy solutions that reduce environmental impact while enhancing energy security.

9. Hydrometric & Environmental Solutions

We specialize in hydrometric monitoring, environmental data management, and consulting services that help our clients manage natural resources responsibly. Our solutions enable accurate measurement and analysis of water resources, air quality, and environmental impact, supporting informed decision-making.

10. Aerospace and Aviation Solutions

We provide cutting-edge Airspace and Aviation Solutions designed to enhance the safety, efficiency, and reliability of aviation operations. Our expertise spans a broad range of services and technologies, ensuring that our clients in the aviation industry can meet the Highest standards of performance and compliance.

1.7 Our Core Business Lines





AEROSPACE & AVIATION SOLUTIONS

'WE WILL FIND A SOLUTION, OR CREATE ONE'

2. Aerospace and Aviation Solutions

2.1 Introduction

At FB GROUP, we provide cutting-edge Aerospace and Aviation Solutions designed to enhance the safety, efficiency, and reliability of aviation operations. Our expertise spans a broad range of services and technologies, ensuring that our clients in the aviation industry can meet the highest standards of performance and compliance.

2.2 Our Vision

To lead the way in providing innovative, reliable, and sustainable solutions that support the evolving needs of the global aviation industry. We are committed to enhancing the safety, efficiency, and environmental stewardship of aviation operations through our comprehensive range of services.

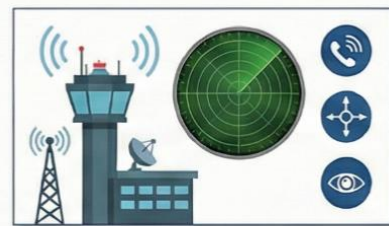
FB GROUP's Aerospace and Aviation Solutions are designed to meet the demands of modern aviation, ensuring that our clients can navigate the complexities of the industry with confidence and success.

2.3 Our Solutions



Instrument Flight Procedure Design

- Standard arrival (STAR)
- Approach
- Standard instrument departure (SID)
- Airspace design and sectorization
- ATS routes (En-route).



Air Traffic Services - ATM

- Approach control
- Tower control
- ATM systems and operations engineering.
- Solution to support ATC operation
- ATM communication
- Navigation -Surveillance solution



Aeronautical Message Handling System - AMHS

- Modern communication system
- Ground to ground messaging operational message exchange between ATC, Airlines, Airports and other essential aeronautical information



Avionics Systems

- Communication systems
- Navigation systems
- Distance Measuring Equipment (DME)
- Display and monitoring systems
- Bird control solution
- Display and monitoring systems

AEROSPACE & AVIATION SOLUTIONS

'WE WILL FIND A SOLUTION, OR CREATE ONE'



Maintenance, Repair and Overhaul – MRO

- Aircraft types: commercial and military



Engine Inspection – Borescope Inspection

- Measurements
- Recording



Aircraft Spare Parts

- Expendables
- Consumables
- Rotable
- Service capabilities:
 - OEM: approved and certified material
 - New, over hauled, and serviceable conditions



Aircraft and Engine Acquisition

- New and pre-owned aircraft sales
- Commercial, general aviation aircrafts



Unmanned Aerial Systems – UAVs

- Comprehensive solutions for all industrial drone applications, support OME /ODM Customization.
- Agricultural drone
- Cleaning drone
- Transport drone
- Firefighting drone
- Fiber optic drone
- Long – endurance drone
- VTOL patrol drone



Space Instrumentation

- Star trackers
- Attitude determination system
- Control and synchronization unit
- Imaging payload with 2m GSD
- Submitting airlines licensing applications
- Providing dynamic pricing models to increase revenue and ensure its sustainability
- Analyzing legislative and regulatory gaps and providing actionable solutions.

AEROSPACE & AVIATION SOLUTIONS

'WE WILL FIND A SOLUTION, OR CREATE ONE'



Aviation Obstruction Lights

(Visual aids for denoting obstacles)

Compliance:

- ICAO Annex 14
- FAA L-810



Airport Support Services

Comprehensive Airport Infrastructure Solutions

- Design and Integration of Runway Lighting Systems
- Ground Control System

2.4 Our Clients



Royal Jordanian Air Force





AEROSPACE & AVIATION SOLUTIONS

'WE WILL FIND A SOLUTION, OR CREATE ONE'

2.5 Partners



2.6 List of References

Awarded Projects

Client

Project

2025

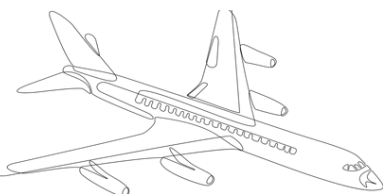
Jordan Aviation Company	OLS "Obstacle Limitation Surfaces" Modelling and Assessment, Amman Civil Airport
-------------------------	--

2022 - 2025

Civil Aviation Regulatory Commission	Flight Procedures Design Review for Queen Alia International Airport, Amman Civil Airport, and King Hussein International Airport
--------------------------------------	---

2022

Civil Aviation Regulatory Commission	Upgrade of AMHS "Air Traffic Message Handling System"
--------------------------------------	---



AEROSPACE & AVIATION SOLUTIONS

'WE WILL FIND A SOLUTION, OR CREATE ONE'

Quoted Projects

Client

Project

2025

Civil Aviation Regulatory
Commission

DME – DME System “Distance Measurement Equipment”

Civil Aviation Regulatory
Commission

Maintenance of Antennas and Cables at the Airports, Stations, and
Buildings

2024

Civil Aviation Regulatory
Commission

ILS – DME System “Instrument Landing System CAT II – Distance
Measurement Equipment”

2023

Civil Aviation Regulatory
Commission

AMHS Maintenance and Support “Air Traffic Message Handling System”

Civil Aviation Regulatory
Commission

Spare Parts for the ILS “Instrument Landing System”

2013

Civil Aviation Regulatory
Commission

Procedure for ILS Cat 1 System, Aqaba RWY 19

2012

Civil Aviation Regulatory
Commission

Procedure for ILS Cat 1 System, Aqaba RWY 19

Civil Aviation Regulatory
Commission

Pans-OPS Software

Airport International
Group

CCS Design and Install the Systems in Queen Alia International Airport