

Renewable Energy Solutions



Hydrometric & Environmental Solutions



Aerospace and Aviation Solutions



AI & Cybersecurity Solutions



Education & Training Solutions



Operation, Maintenance and Rehabilitation



FIRAS BALASMEH CORPORATION FOR CONTROL SYSTEMS "FB GROUP"

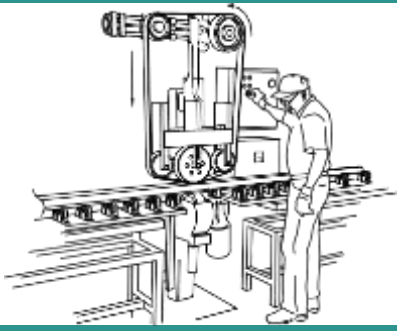
Education and Training Solutions

- Renewable energy solutions
- Hydrometric & Environmental solutions
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EDUCATION & TRAINING 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.



Turnkey
Solutions



Design and
Engineering



Supply and
Installation



Commissioning
and Testing



Training and
Support



Operation and
Maintenance

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

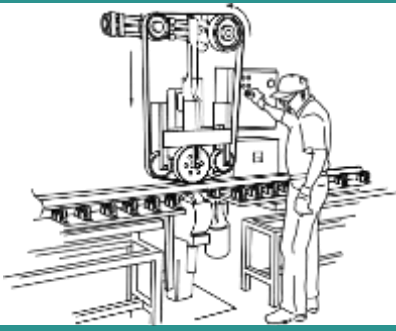
To deliver superior solutions that meet the diverse needs of our clients, ensuring that every project is executed with precision, efficiency, and a focus on long-term success.

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.



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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

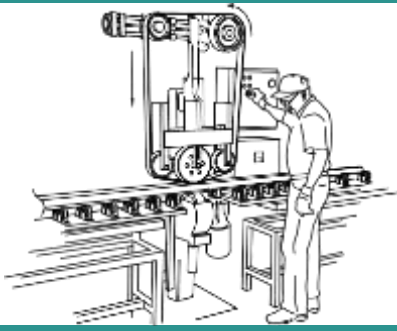
As a leading system integrator, we deliver seamless integration of advanced technologies in control systems, automation, and industrial processes. We ensure that our clients benefit from efficient, reliable, and scalable systems that optimize performance and productivity.

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.



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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

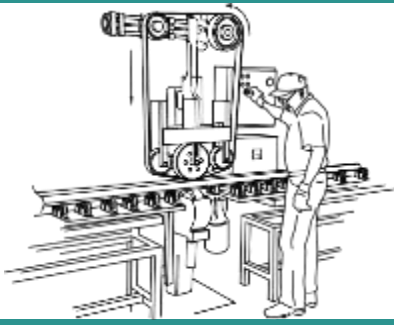
We specialize in hydrometric monitoring, environmental data management, and consulting services that help our clients manage natural resources responsibly. Our solutions enable accurate measurement and analysis of water resources, air quality, and environmental impact, supporting informed decision-making.

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





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2. Education & Training Solutions

2.1 Introduction

FB GROUP is dedicated to supplying, installing and commissioning of didactic engineering, medical and natural science equipment and laboratories.

We propose flexible systems that ensure maximum compliance with current state-of-the-art technologies and the skills demands of local industrial markets.

The didactic equipment are meant to cover a wide range of the technology courses described in the curricula of universities and technical, vocational and medical institutes.

2.2 Our Services



1. Consultation & Lab Design

Needs assessment, lab layout, equipment selection, utilities, safety, and compliance review.

2. Supply Chain & Logistics

Certified procurement, quality control, international shipping, and delivery coordination.

3. Installation & Integration

System installation, mechanical/electrical works, commissioning, and compliance checks.

4. Testing & Validation

Start-up, performance testing, purity validation, safety checks, and documentation.

5. Training

Operational, maintenance, software, and safety training with manuals.

6. After-Sales Support

Warranty, remote support, maintenance guidance, spare parts, and upgrades.

2.3 Our Solutions

1. Engineering Lab



Construction Lab



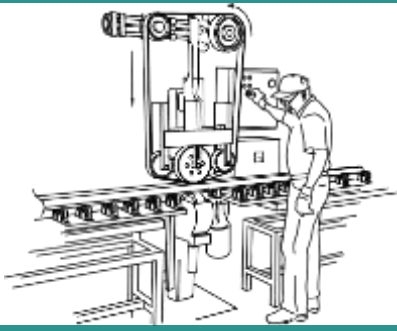
Electrical Lab



Mechanical Lab



Mechatronics Lab



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2. Natural Science Labs



Physics Lab



Biology Lab



Chemistry Lab

3. Technology Labs



4. Medical Labs

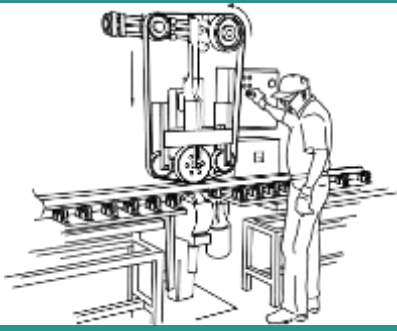


5. E-learning Labs & Vocational Training Labs



6. Testing and Measurement Equipment





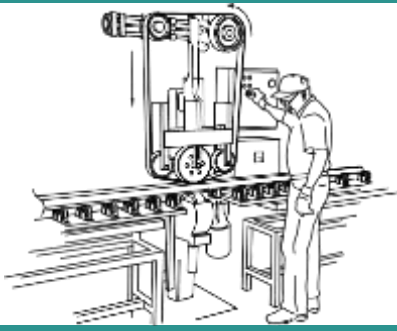
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2.4 Our Clients

- Ministry of Education
- Civil Defense
- Royal Medical Services
- The Hashemite University
- AlHussein Technical University
- German Jordanian University
- University of Jordan
- Mutah University
- Yarmouk University
- AlBalqa Applied University
- Jordan University of Science & Technology
- Al-Albays University
- Philadelphia University





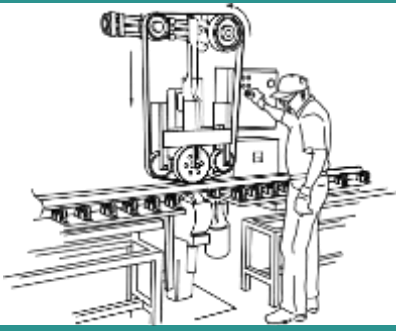
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2.5 Ionic Projects

Structural Engineering Laboratory Development – The Hashemite University (Jordan)

An academic and research project focused on establishing an advanced structural engineering laboratory capable of performing static, dynamic, and seismic testing of structural components and systems. The scope included laboratory layout optimization, installation of testing and instrumentation systems, development of a movable test frame for high-capacity actuators, and structured training programs covering equipment operation, instrumentation, data acquisition, and full-scale experimental testing using reaction floors, reaction walls, and a shake table. Two weeks of on-site training were provided following the acceptance testing to ensure effective operation and utilization of the laboratory facilities for education and research purposes.





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2.6 Corporate Social Responsibility

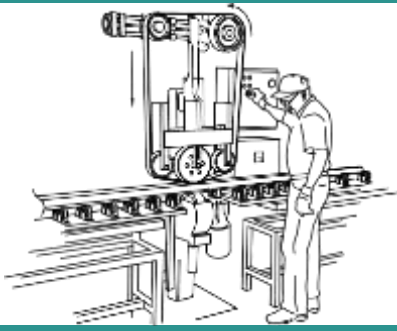
FB GROUP, as a Jordanian multi-disciplinary engineering corporation, is committed to empowering the engineering community and contributing to sustainable socio-economic development. Through strategic partnerships, donations, training initiatives, and environmental responsibility, FB GROUP has established itself as a leading model of corporate citizenship in Jordan and the region.

Our CSR program was recognized with the MESIA “CSR Program of the Year” Award (2022), reflecting the impact and consistency of our efforts.

Our corporate social responsibility is embodied in different segments, where our contributions are either technical, financial or by efforts:

- **Engineering Community Empowerment:**
FB GROUP partners with leading universities including Al Hussein Technical University, JUST, PSUT, GJU, Hashemite University, and Al Zaytoonah University.
 - Delivered free training courses for undergraduates.
 - Provided specialized training opportunities for graduates.
- **Internship Programs:**
Since 2012, FB GROUP has hosted over 100 interns from the Jordan Engineers Association, with most transitioning into full-time roles. Internship duration ranges from 6 to 12 months.
- **Strategic Partnerships Agreements:**
FB GROUP maintains a five-year partnership with the Crown Prince Foundation (CPF):
 - Annual financial contributions.
 - In-kind donations.
 - Technical support for CPF initiatives.
- **Donations:**
We strongly believe in our role as an engineering corporation to improve university students and fresh graduates’ technical skills and experience by providing industrial labs with the latest technology equipment and industrial labs compatible with the real markets (especially international markets), giving them confidence to fulfill employers’ needs and better employment opportunities.

8,000 \$	<ul style="list-style-type: none">• Two Biology Labs• Hussein Technical University
14,000 \$	<ul style="list-style-type: none">• Electrical Lab• University of Jordan
42,000 \$	<ul style="list-style-type: none">• Industrial Automation Lab• University of Jordan
150,000 \$	<ul style="list-style-type: none">• Industrial Automation Labs (Basic & Advance)• Hussein Technical University
44,000 \$	<ul style="list-style-type: none">• 12 Biology Labs• Different Public and Private Schools



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1. Engineering labs Equipment: Hussein Technical University:

- Robotics lab.
- Mechanical lab equipment.
- Industrial automation, basic lab
- Industrial automation, advanced and professional lab
- SCADA, remote monitoring and controlling.
- Industrial units for energy monitoring and redundancy and networking applications.
- Industrial PV energy lab.
- Industrial automatic weather station.

University of Jordan:

- Industrial automation, basic lab, 7 kits
- Industrial electrical meters lab.
- Civil lab equipment.

– Al-Balqa Applied University:

- Industrial automation, basic lab, 7 kits.
- Solar energy lab equipment.

2. Biology lab Equipment:

- The Children's Museum.
- 7 Biology labs to public universities, including: Aal Al Bait University, Hussein Technical University, University of Jordan, Tafileh Technical University, Al Hussein Bin Talal
- 25 labs for different public and private schools and educational centers.

3. Projects Oriented Equipment / Services:

German Jordanian University:

- Equipment needed for the solar modules cleaning machine, data transmitter, MC4 and high power LED lights, which are needed by the university for the 2.11 MW solar energy plant project.

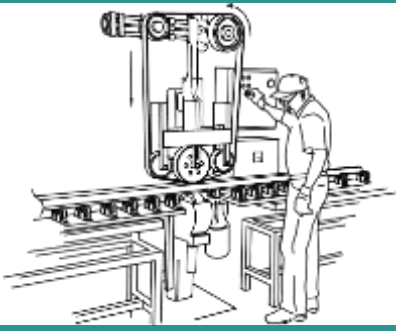
4. Supporting Initiatives, Social Events and Educational Events

- Provide financial support to NAUA initiative, established under the umbrella of Crown Prince Foundation.
- Provide financial support to different social events executed by the Crown Prince Foundation and its initiatives.
- Provide financial and technical support to universities Scientific Days.
- Provide financial support to "Poor Student" Fund of German Jordanian University

5. Memberships, Experience Support:

FB GROUP is a member in different boards and committees, providing its efforts and long engineering and managerial experiences to support the committees to achieve their missions and goals. Some of which are:

- Member of Jordan Engineers Association.
- Member of Jordan Electrical Engineering Association.
- Member of EDAMA Advocacy Committee.
- Head of Industrial Board of the Engineering Faculty at Hussein Technical University.
- Engineering Faculty Advisory Board at Hussein Technical University.
- Engineering Faculty Advisory Committee at the Hashemite University.
- Engineering Faculty Advisory Committee in Princess Sumaya University for Technology



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6. Environmental Responsibility:

FB GROUP aims to reduce any damaging effects on the environment by applying some daily practices, including for example:

- Reducing amount of papers printed.
- Reuse of one sided printed papers, if any.
- Collecting newspapers and excess used papers and monthly delivering to the local recycling society.
- Rationalization of energy and electricity consumption.
- Rationalization of water usage.
- All solar cars had been replaced with hybrid cars during the last two years.

2.8 Advantages



Commitment & Reliability

A proven record of delivering on promises and building trust.



Robust Financial Standing

A solid financial foundation ensuring stability and growth.



Strong Connections

Deep-rooted relationships with both private and public sectors.



Innovation & Customer Focus

Exceeding expectations through continuous improvement and tailored solutions.



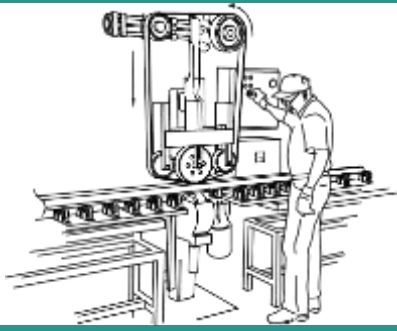
Trusted Partnerships

Agents and distributors for numerous reputable global manufacturers.



Diverse Business Portfolio

Top-tier solutions across multiple sectors, leveraging extensive experience.



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2.9 References

List of Executed Projects

Client	Capacity
Hashemite University	Structural systems lab equipment and devices
Hashemite University	Engineering Faculty labs equipment
Mutah University	Medical lab equipment
Jordan Meteorological Department	Barometers
Al Hussein Technical University	Mechanics and hydraulics lab equipment
Al Hussein Technical University	Construction technology lab equipment
Al Hussein Technical University	Full automation lab consists of: <ul style="list-style-type: none"> – Basic learning center kits – GROOV, Remote Monitoring and Controlling >> Supplying, installation, commissioning, and training for staff engineers.
Al Hussein Technical University	Full automation lab consists of: <ul style="list-style-type: none"> – Advanced and professional training kits – GROOV, Remote Monitoring and Controlling – Redundancy and networking applications – Energy monitoring unit kit >> Supplying, installation, commissioning, and training for staff engineers.
Al Hussein Technical University	6 KW _p off-grid photovoltaic system (3 systems - 2 kW _p each: fixed tilt, single axis tracking and double axis tracking), for education and research. >> Supplying, installation, commissioning, and training for staff engineers.
Al Hussein Technical University	Biology lab equipment
The University of Jordan	Electrical meters laboratory
The University of Jordan, Industrial Engineering Dept.	Full automation lab - Basic learning center kits >> Supplying, installation, commissioning and training for staff engineers.
Jordanian Royal Medical Services	Ultrasonic nebulizer
Jordan University for Science and Technology	Photovoltaic lab equipment
The University of Jordan	Scientific devices and equipment
Al Al-Bayt University	Anatomy and physiology laboratory equipment
Jordanian Royal Medical Services	Portable vascular hand held doppler
Yarmouk University	Scientific devices and equipment
Jordan University for Science and Technology	Science labs devices and equipment
Ministry of Education, USAID	Biology labs equipment for 28 new schools
German Jordanian University	Electronic circuits lab equipment