

Company Profile



meters

Jordanian British Company for Electrical Industries

الشركة الأردنية البريطانية للصناعات الكهربائية



Introduction

Overview:

Jordan British Meters (JB Meters) is a newly established firm specialized in the designing, developing and manufacturing of electrical systems for power utility companies and general industry. Based in Jordan, JB Meters is being managed jointly by the Abutair Co. and its partner KIGG Ltd., one of the UK's leading electric power supply companies. KIGG has been in the electric power supply industry for over 25 years, and KIGG's owner, Mr. Lyndon Harfoot has more than fifteen years of experience working in the energy meters. In addition, Mr. Harfoot owns more than four meters factories around the world and brings a wealth of knowledge and experience to the partnership.

The JB Meters/KIGG Ltd partnership is a truly integrated one. Management of JB Meters will be conducted from Jordan's capital Amman while KIGG Ltd will contribute its engineering labs in the UK for research and development (R&D). The actual manufacturing took place in the southern Jordanian governorate of Maan, which is currently taking widespread upgrades to its infrastructure via the Maan Development Area project – a government initiative to improve the industrial and commercial capacity of Jordan's largest governorate. JB Meters currently has 27 employees and plans to compete in the Middle East and North Africa (MENA) region.

KIGG Limited is a leading British designer, developer, consultant and manufacturer of electrical and electronic systems for private industry, governments and non-governmental organisations. Originating as a consultancy and technology provider for kWh meter factories and loss reduction, the company's current range of business activities includes the following:

- Electricity meters and metering systems.
- Electricity meter test and calibration systems.
- Water/fluid meters and metering systems.
- Smart metering systems.
- Advanced communication systems
- IoT technologies, including hardware development, server and cloud based services and voice controlled systems
- Bespoke software for process control/automation/building environment management systems.
- Fuel/Oil Theft Detection
- Training and consultancy services.
- Factory start-up and commissioning services.

JB Meters and KIGG Ltd have their own R&D facilities for the design and manufacture of smart meters, smart meter testing and calibration equipment, telecommunication equipment and systems, together with associated engineering training. The company is therefore uniquely placed as an experienced hands-on consultancy services in the Smart Meter / AMI and Smart Grid field.

JB Meters and KIGG have achieved accreditation in the internationally recognised quality management standard ISO9001:2015, and continuously strives to provide quality solutions designed to fit customer needs.

The pace of growth has necessitated the business moving to larger premises and is now located at:

Unit 4
Vale Enterprise Centre
Hayes Road
Sully
Vale of Glamorgan
CF64 5SY
United Kingdom



We are based within close proximity to Cardiff, the capital city of Wales and have the benefit of excellent access to the major road networks, and are a ten minute drive to Cardiff International Airport.

Cardiff is a dynamic, expanding city and JB Meters and KIGG have close working relationships with leading academic institutions within the locality. In particular it has worked closely for many years with the University of South Wales Engineering Department on both R&D programmes and innovative product development. As part of its academic collaboration strategy JB Meters and KIGG have supported PhD and post-doctoral research and has been a significant Knowledge Transfer partner at many levels, including the provision of specialist lectures to undergraduate students.



Our management services range from formulating AMI tenders, developing procurement process and supervision of contractors and creating supply chain strategies.

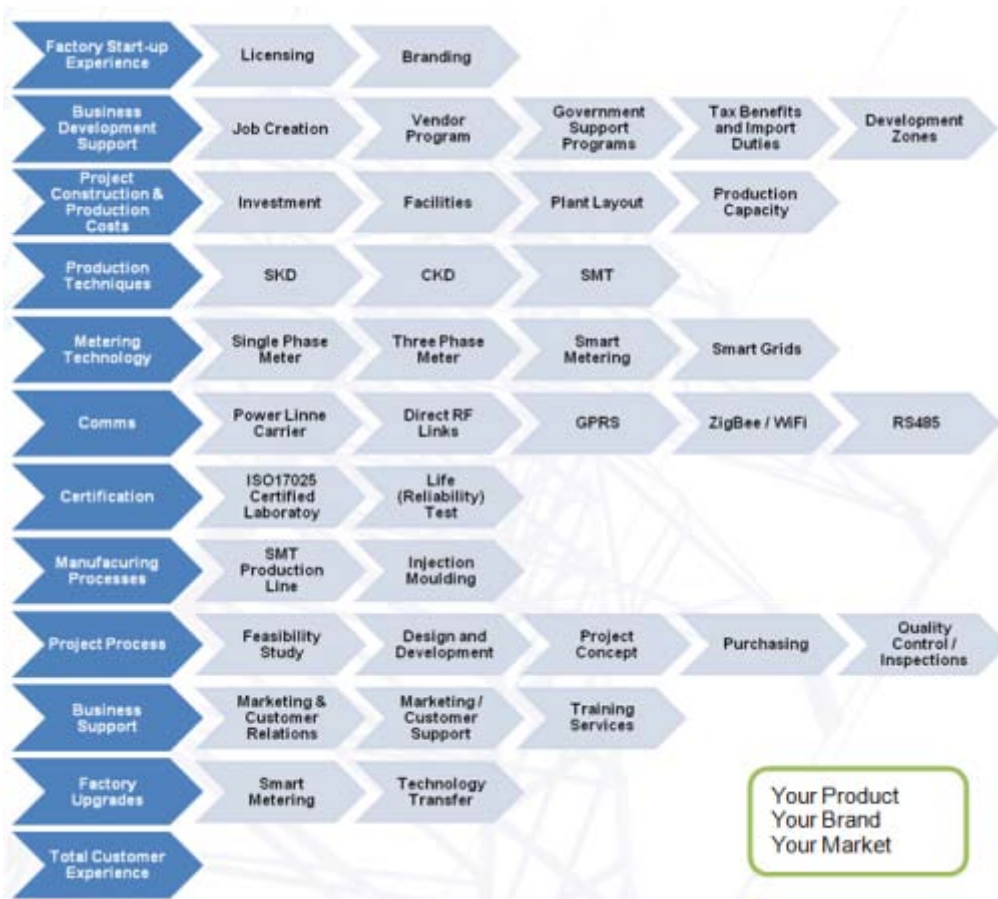
On a practical level we can facilitate everything from the delivery and commissioning of relevant manufacturing and test equipment through to post installation and turnkey system hand over of major AMI projects throughout the world.

Our Technical Expertise and knowledge of compliance, smart meters, data concentrators, communications systems, (including PLC Prime), Head End Systems, interfaces to Meter Data Management Systems and AMI data security, combined with our understanding of the lifecycle of an AMI tender and delivery process, allows us to provide a complete range of commercial and technical expertise, supported by the academic resources of our research partner.

In total this will enable us to provide you with key recourses and technical expertise to assist in the successful implementation of your project.

Smart Meters Factory start ups

JB Meters and KIGG Ltd. has key international expertise in smart meter factory start-up which enables and supports investors and clients to establish their own business by providing them all the expertise for their factory start-up. Our main customers are government and private investment, companies diversifying, licensed factories and factories requiring smart and communications technology. Our expertise reduces the risks in the areas of cost, unforeseen liabilities and uncertainty factors associated with a factory project and product development.



We will support you fully throughout the process enhancing your success. You will not only benefit from the experience of a dedicated team of engineers, but during the factory set up we can provide business development support, marketing, exhibition, promotions and customer relations, enabling a successful entry into your target markets.



Sister Companies and Partners

JB Meters and KIGG Systems India Pvt Ltd – Original Equipment Manufacturer of Test and measuring equipment for energy meters, relays, Distribution transformers, Instrument transformer (CT/PT)etc. A wide range of stationary test systems and portable site testing equipment are available with cloud connectivity. based in Mumbai, Maharashtra.

JB Meters and KIGG Systems have an ISO 9001 & ISO 14001 certifications. It is a designer, developer and manufacturer of Smart Meters. Some of the key products are fully automatic meter test system, semi-automatic meter test system, test bench for testing smart features of smart meters, portable site testing reference standards and phantom loads, Portable fully automatic relay test kits (3 channel and 6 channel), customized relay test benches, Portable CT/PT Analyser (simulation type), Microprocessor based primary and secondary injection kits, fully automatic CT/PT test benches, fully automatic distribution transformer test benches. Its origins go back over 30 years to a technology transfer from Landis & Gyr and have developed constantly over the years in order to keep pace with technology. JB Meters and KIGG Systems are parts of a decentralized network of sister companies and partners of KIGG.

Jordan British Meters (JB Meters) specializes in designing, developing and manufacturing of electrical systems for power utility companies and general industry. Based in Jordan, JB Meters currently has 27 employees and plans to compete in the Middle East and North Africa (MENA) region. The core business of the company is in the assembling, supplying and servicing of KWH meters. Our product range includes; meter testing systems (kWh & Fluid), meters, metering systems and AMR (Automatic meters reading (kWh & Fluid), carbon emissions monitoring, breaker testing, relay testing equipment, laboratory services, engineering and consultancy services. JB Meters is the regional centre for the Middle East operations for JB Meters and KIGG Ltd., providing both technical and marketing services.

University of South Wales

The University of South Wales (USW) has partnered with JB Meters and KIGG for over a decade

and we have jointly developed an R&D metering centre that has been working in the area of Sub-Station automation and Virtual Power Plants (VPPs), utilising IEC61850. It has produced a variety of AMI / Smart Grid training simulation and practical implementation tools and has developed a very popular “Smart Grid” module for final year degree students that will shortly be modified and available as an industrial training programme.

Reliability Prediction

JB Meters and KIGG have the technology to carry out IEC 62059-41 (2003): Electricity metering equipment – Dependability-Reliability prediction.

Cyber Security

The consortium is able to advice, and train, on Cyber Security from the Meter point to the MDMS system.

Energy Management

JB Meters and KIGG have their own Data Logger and Smart Energy Measurement System, including a ZigBee to Bluetooth Bridge and various sensors and have extensive experience in the fields of IoT.

Most recently the company has created Smart Meter communications modules that utilise LoRaWAN, NB-IoT and LTE-m technologies for long range, low power and low cost applications.



Cloud and Internet based systems

As part of its continuing corporate development, JB Meters and KIGG now provides hardware, firmware and cloud based services for IoT type systems. Examples of the scope of the work it can now undertake includes

Serverless Application Delivery

Serverless computing allows business to build applications quickly using on demand services from the major Cloud companies.

Design and Build

We can help you design and build the best Cloud solution for your business needs. Our team of certified Cloud consultants will plan every step of your journey.

Managed services

Cloud based applications still go wrong if they are not properly maintained. We provide cost effective and secure managed services for your Cloud based services.

Cost Management

Any potential cost savings due to Cloud migration can be lost due to poor cost management. We will help you put cost management processes in place that will quickly pay for themselves.

Cloud Migration

Migrate from your legacy infrastructure, to reduce cost, improve reliability, increase security and reduce operational overhead.

Security Enablement

We can help ensure your cloud deployments are as secure as they can be. We can also help you with your security accreditations, health checks and audits.

Voiced-based Applications

We can develop a wide-range of voice-based applications, including all relevant hardware and cloud based solutions, Including virtual call centres

Quality Management

It is our policy to maintain a quality system designed to meet the requirements of ISO9001:2015 in pursuit of its primary objectives. The consortiums lead Quality Manual defines our quality objectives and key procedures.

Customer service is an essential part of the quality process and to ensure this is fulfilled, all employees and sub-contractors are aware of quality and its impact on customer service. To ensure the company maintains its awareness for continuous improvement, the quality system is regularly reviewed and is subject to annual audits.

The requirements of the company's quality system are mandatory and all company personnel have a responsibility and obligation to it.

We aim to provide a professional and ethical service to our clients. In order to demonstrate our intentions, we have identified the following Quality Objectives.

- We will endeavour to deliver our services to specification
- We will endeavour to deliver our services to the price quoted
- We will endeavour to make a profitable return on our activities in order to fuel ongoing research, development and growth
- Our Management Team will analyse customer feedback data, internal performance data, financial performance data and business performance data to ensure that our Quality Objectives are being met
- We will endeavour to satisfy our clients' requirements and get things right first time
- Should we make a mistake, we admit it and put things right as soon as possible

As well as ISO9001:2015 Certification, we also hold ISO9001 and ISO1400 and have experience in implementing ISO27001 (information security management system)

References

The consortium has carried out several projects from simple consultancy to complex project engineering, a sample list of these are supplied below and included in Annex 1 to this document, are references from the following.

Malaysia. KMSB. Technical support and OEM supply to a meter factory. Ongoing. Recently both 4G and NBIOT modems have been developed for the local market and supplied. Over 1.5 million metering kits have been delivered and the meters supplied to TNB and over 50,000 modems.

Asia. IPEC Engineering. HV field testing and maintenance. Ongoing.

India. JB Meters and KJGG Systems India Private Ltd. Many projects have been carried out including meter factory start-ups, consultancy, smart meter and test equipment design and billing management.

Nigeria. Via Paktim Consultants UK. (Keypad Prepayment Meters).

UK. Parliamentary Review. Member.

Iraq. Diala State Company for Electrical Industries.

A 15 year Management contract was signed for the manufacture in Iraq at the Diala factory for 100,000 digital meters and 200,000 Smart Meters. As part of the contract JB Meters and KJGG with the full assistance of JB Meters we have started renovating and modernising the Diala factory with both production and testing equipment. A special design for their existing digital meter has been earlier created to their requirements and we are currently designing a new Smart Meter to the new Ministry of Electricity specifications, the design of which is unique to Iraq. 100,000 PCBA's for Diala's digital meters have been supplied.



Assembly line



1ph Smart Meter



3ph Smart Meter

Saudi Arabia. Basic Electronics. Recent contract for the establishment of a smart meter factory in KSA and the supply of OEM parts. The delivery of production equipment and installation and commissioning is now complete. The Smart Meter to SEC's specifications has passed KEMA type test certification. The first trial run of production is now underway with orders of 13,000 three phase SEC standard meters, with both 100A and 160A versions.



3ph 160A Smart Meter



3ph 100A Smart Meter



SMT Line



Test / Calibration Line

JB Meters and KIGG also participated as consultants in the earlier AMI tendering process.

USW. University of South Wales, Knowledge Transfer Partnership

Welsh Government. Business, Enterprise, Technology and Science

China. Meteronic Technology Smart and Pre-Payment meter consultancy

Understanding of Scope of Services, Tasks and expected Deliverables

It is understood by JB Meters and KIGG that the objective of any assignment tasked to us is for our team of Professional Consultants, experienced in the field of Project implementation of Smart meter Factory start up and Advanced Metering Infrastructure including all the related components i.e. meters, communication, head end systems, MDM, Customer Information and Billing system, integration with existing technologies, arrangement of trainings, preparation / vetting of operational procedures etc., will ensure the implementations or work carried out by us is in accordance with the defined terms of contract with the contractor.

KIGG Limited
Unit 4
Vale Enterprise Centre
Hayes Road
Sully
Vale of Glamorgan
CF64 5SY
Telephone: 0044 (0) 1446 743 377
Email: sales@kigg.com

JB Meters
Swefieh
Izz Bin Abdulsalam Street
Office No. 7
Amman, Jordan
Tel: 00962 65810757
Fax: 0096265854742
<http://www.jbmeters.com>