



COMPANY *PROFILE*



**CAN YOU AFFORD
TO RISK LOSE YOUR INVESTMENT?**



16

Years of Excellence

500+
PRODUCTS

45+
COUNTRIES

1000+
CLIENTS

100%
SATISFACTION



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LEADING THE FUTURE OF INDUSTRIAL POWER SOLUTIONS

PowerWadi specializes in PowerQuality Analyzers, UPS, and Inverters designed for residential, commercial, and industrial applications. Founded as a spin-off from BioBusiness (technology maker since 2009), PowerWadi leverages shared R&D expertise and centralized support to deliver rapid deployment, customer-driven innovation, and turnkey energy solutions Made in Egypt, powering the region and beyond.

**CAN YOU AFFORD
TO RISK LOSE YOUR INVESTMENT?**



ADVANCED POWER QUALITY & POWER SOLUTIONS

Comprehensive solutions for power quality analysis, environmental monitoring, UPS systems, solar inverters, and variable frequency drives - engineered for industrial, commercial, and mission-critical applications.

POWER QUALITY

Analyzers

MONITORING

Systems

UPS

Backup Power

SOLAR

Inverters

VFD

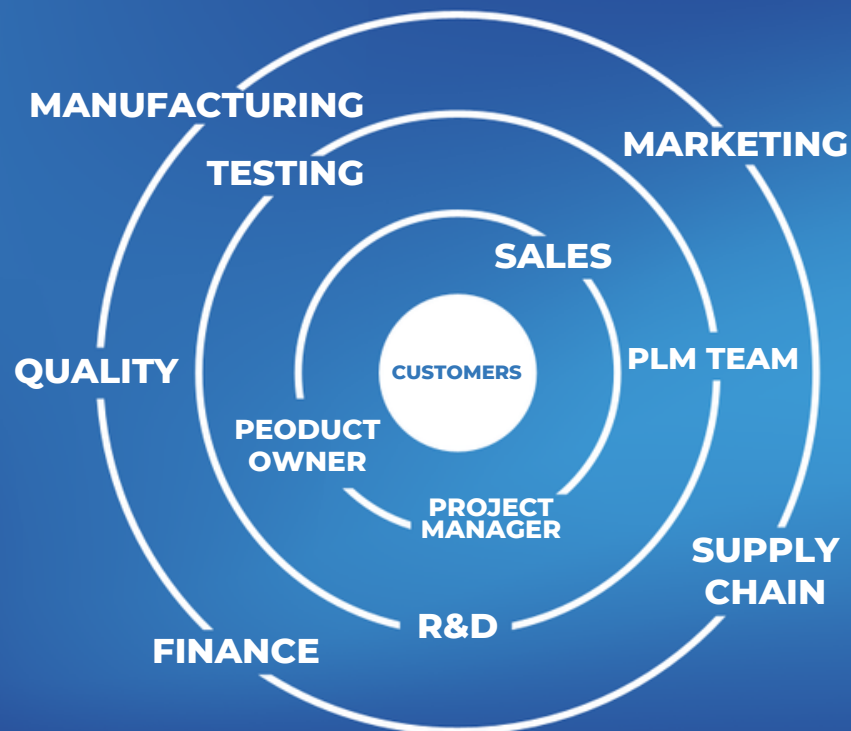
Motor Control

Engineering reliability. Monitoring performance. Protecting continuity.

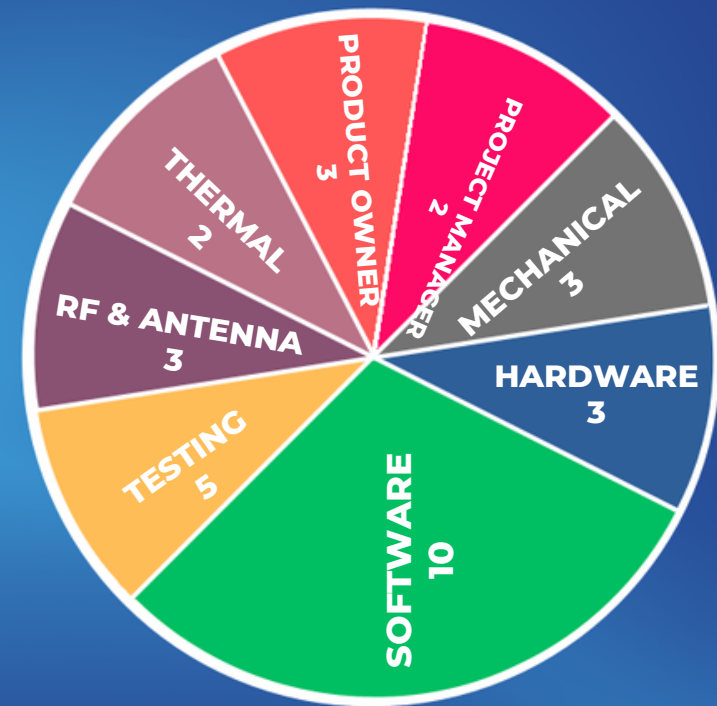


TECHNICAL CORE TEAMS (R&D)

COMPANY MODEL : CUSTOMER FOCUS



RESEARCH AND DEVELOPMENT TEAM





ABOUT BIOBUSINESS

BioBusiness, situated in Egypt, is a research and development company specializing in medical and electronic equipment.

Our expertise lies in designing, developing, and producing cutting-edge medical and electronic products that incorporate IoT technologies.

With our extensive experience in the medical and electronic sector, particularly in the areas of intensive care units, neonatology, and operating rooms, we are committed to delivering high-quality solutions to meet our customers' specific requirements.

Our comprehensive services cover the entire product development cycle, including Hardware Design, Mechanical Design, Software Development, Algorithms Development, Technical File Preparation, Testing, Certification, and Production. We strive to provide end-to-end solutions that exceed our customers' expectations.

BioBusiness is ISO9001, ISO45001, 14001, 13485 Certified.

www.biobusiness-eg.com



GMP



ISO 45001:2018



ISO134 85:2016



ISO 9001:2015



ISO 14001:2015



POWERWADI FOR ELECTRONIC DEVICES (AFFILIATED FACTORY) 2000 SQUARE METERS (3/1):



ENGINEERED • MANUFACTURED • SUPPORTED



Production Capacity: 150 devices per hour,
2,000 devices per day, and a maximum
of 80,000 devices per month.

The production facility of total area
of 2000 SQM, ESD Controlled Environment
Assembly Area, Power Quality Lab.

The facility has the capability to assemble
a wide range of electronic devices.



OUR MISSION

To empower communities and industries with innovative, reliable, and efficient energy solutions that ensure stability, continuity, and sustainability

OUR MISSION

To become the leading regional provider of smart energy technologies, proudly made in Egypt and trusted worldwide.

OUR VALUES

Innovation, quality, partnership, and reliability guide everything we do, ensuring we deliver exceptional value to our customers.



INDUSTRY APPLICATIONS

Discover Solutions Tailored for your Industry



HEALTHCARE & HOSPITALS

Discover how PowerWadi products address the unique power quality and monitoring challenges faced by modern healthcare facilities.



DATA CENTERS POWER SOLUTIONS

Precision power infrastructure for sensitive IT systems. Protecting servers and monitor environmental conditions for 0 downtime.



COMMERCIAL & RESIDENTIAL SOLUTIONS

Delivering efficient, clean, and reliable power for offices, retail spaces, and homes.

INDUSTRY APPLICATIONS

Discover Solutions Tailored for your Industry



LABORATORY POWER SOLUTION

Precision power infrastructure for research and analytical laboratories. Protecting sensitive instruments and maintaining optimal environmental conditions for accurate results.



INDUSTRIAL POWER SOLUTIONS

Ensuring continuous operation of manufacturing lines, machinery, and critical processes.

OUR MAIN PRODUCTS

Integrated power quality, monitoring, backup power and motor-control solutions

INSPECTOR POWER QUALITY & MONITORING



Class A Power Quality Analyzer

24/7 monitoring | IoT connectivity | UPS & VFD monitoring

INSPECTOR SERIES



UPS SYSTEMS

Reliable backup power from compact to modular systems

POWERWADI SOLUTION



SOLAR INVERTERS

Hybrid and off-grid inverter solutions for residential & industrial use

POWERWADI SOLUTION



VARIABLE FREQUENCY DRIVES

Motor control, process efficiency and industrial automation

POWERWADI SOLUTION



One portfolio. Four core solution families.

Designed for industrial facilities, data centers, healthcare, commercial and residential applications.

Power Quality Products



1- Stationary Inspector Power Quality Analyzer

Continuous 24/7 monitoring



- Class A Power Quality Analyzer
- Wall/Panel Mount Device.
- Two isolated PQ channels for power Quality issues Detection
- Built-in battery backup.
- Environmental Monitoring.
- IoT capability for remote Monitoring.
- Ability to record data up to 16GB
- Monitoring VFD, UPS Performance
- Motor Conditioning and Analyzing.

**Ideal for Industrial Facilities, Healthcare Facilities and data Center
Infrastructure Monitoring**

CE TÜVRheinland®



2- Portable Inspector Power Quality Analyzer

Continuous 24/7 monitoring.



- Class A Power Quality Analyzer
- Portable Handheld Device.
- Two isolated PQ channels for power Quality issues Detection
- Built-in battery backup+LCD Touch Screen.
- Environmental Monitoring.
- IoT capability for remote Monitoring.
- Ability to record data up to 16GB
- Monitoring VFD, UPS Performance
- Motor Conditioning and Analyzing.

**Ideal for Fast Auditing, Temporary Monitoring
& Troubleshooting**

3- Panel Mount - Standard Inspector Power Quality Analyzer

Continuous 24/7 monitoring



- Class A Power Quality Analyzer
- Din Rail Panel Mount, Modular Device.
- One PQ Channel for power Quality issues Detection + DC Channel + LCD Touch Screen.
- (Ability to add Battery module, PQ&RE Module).
- Environmental Monitoring.
- IoT capability for remote Monitoring.
- Ability to record data up to 16GB.
- Monitoring VFD, UPS Performance.
- Motor Conditioning and Analyzing.

**Ideal for Busway Monitoring, Data Center Infrastructure
Monitoring & Substation Panels Monitoring**

4- Panel Mount - Compact Inspector Power Quality Analyzer

Continuous 24/7 monitoring



- Class A Power Quality Analyzer
- Din Rail Panel Mount, Modular Device.
- One PQ Channel for power Quality issues Detection + DC Channel
- (Ability to add Battery module, PQ&RE Module).
- Environmental Monitoring.
- IoT capability for remote Monitoring.
- Ability to record data up to 16GB.
- Monitoring VFD, UPS Performance.
- Motor Conditioning and Analyzing.

**Ideal for Busway Monitoring, Data Center Infrastructure
Monitoring & Small Industrial facility Monitoring**

5- Panel Mount - Lite Inspector Environmental Monitoring

Continuous 24/7 monitoring



Protecting sensitive machinery from harsh environmental conditions.

- Din Rail Panel Mount
- Environmental Monitoring System.
- Ability to add Battery module.
- IoT capability for remote Monitoring.
- Ability to record data up to 16GB.
- Monitoring Temperature, Humidity, Pressure & Air Quality.
- Air Quality (CO2, TVOC, PM).
- Vibration Monitoring .

INSPECTOR COMPLIANCE

1- CE MARK

TUV Rheinland

2- UL CERTIFY

Standards : UL 1:2012-61010 R6.23 CAN/CSA-C22.2 NO. 12-1-61010 + GI1 + GI2 (R2017) + A1

3- SAFETY STANDARD

S S a a f f e t t y y	EU Market 2014/35/EU Low Voltage Directive	EN/IEC 61010-1:2016 Certif. No. JPTUV-160828
	Canada / USA Market NFPA 70E	UL 61010-1:2012 R6.23 CAN/CSA-C22.2 NO. 61010-1-12 + GI1 + GI2 (R2017) + A1 Certif. No. CU 72405569 0001



4- FUNCTIONAL STANDARD

IEC classificationsOfPowerQuality (IEC30-4-61000). IEC1-60601, TUV BS EN/EN1-60601, UL ANSI / AAMI ES1-60601 (3.1 version), EAC TP TC 004 CAN/CSA-C22.2 No. 1:14-60601 - Edition 3 approved, Design refer to BS EN/EN1 60335 Battery standard UN38.3, IEC62133

UPS Products



UPS Wadi Tower 1/2/3 kVA Online UPS



- 1-3 kVA online tower platform
- Output power factor 1
- Programmable power management outlets
- Emergency Power Off (EPO) and ECO mode
- Surge protection for connected critical loads

UPS Wadi Tower 6-10 kVA



- 6-10 kVA single-phase online tower range
- DSP control for high-performance operation
- Input power factor correction up to 0.99
- High operating efficiency
- Strong overload capability for demanding applications

UPS Wadi RT 6-10 kVA



- 6-10 kVA rack/tower online UPS range
- High efficiency up to 94%
- Wide input voltage operating window
- Generator-compatible operation
- Multiple communication options for monitoring

UPS Wadi Tower 3P IN / 3P OUT 30-40-60 kVA



- 30 / 40 / 60 kVA three-phase range
- True double-conversion online topology
- Output power factor 1.0
- ECO mode for energy-saving operation
- Designed for continuous critical infrastructure protection

Wadi Beams 80 / 100 / 120 kVA



- 80 / 100 / 120 kVA three-phase platform
- Pluggable power-module architecture
- Dual-mains input capability
- Output power factor 1
- 7-inch touch LCD for system information and diagnostics

UPS Modular Wadi Plus 90-300 kVA 3-Phase



- 90-300 kVA scalable modular UPS range
- High-efficiency online double-conversion protection
- Modular architecture designed to reduce MTTR
- Built-in maintenance bypass for serviceability
- Flexible battery configuration and charging current

Solar Inverters



Wadi WP 30 / 50 kW



- 30 kW and 50 kW three-phase hybrid inverter range
- Supports grid-tie, off-grid and hybrid operation
- IP65 protected enclosure
- Built-in monitoring and BMS communication
- Parallel operation support for scalable installations

PV Inverter Wadi MAX 8 / 11 kW



- 8 kW and 11 kW off-grid inverter range
- Pure sine-wave output
- 48 V battery system
- Battery-independent operating capability
- Built-in communication and parallel operation support

PV Inverter Wadi MAX T 8-12 kW



- 8 kW, 11 kW and 12 kW off-grid family
- Pure sine-wave output
- 48 V battery operation
- Smart load-management capability
- Integrated monitoring and BMS communication

Wadi VM Plus 1.5-12 kW



- 1.5-12 kW off-grid inverter family
- Pure sine-wave output
- MPPT solar charging
- Battery-independent operation
- Integrated monitoring for simplified system management

PV Inverter Wadi VM 1.2-5 kVA



- 1.2-5 kVA compact off-grid range
- Pure sine-wave output
- MPPT solar charging
- Configurable AC / solar priority
- Designed for residential and light-commercial solar systems

VFD Products



VFD Wadi 317



- 0.75-37 kW general-purpose VFD range
- Adjustable V/F curve and Sensorless Vector Control (SVC)
- 150% torque at 0.5 Hz
- Precise speed control better than 0.5%
- Built-in RS-485 MODBUS communication



THANK YOU

Let us help you select the right power solution for your application.