



WHEN POWER MEETS QUALITY

ADVANCED POWER QUALITY METERING & SOLUTIONS

Elspec Investors Presentation

Q1+Q2 2024

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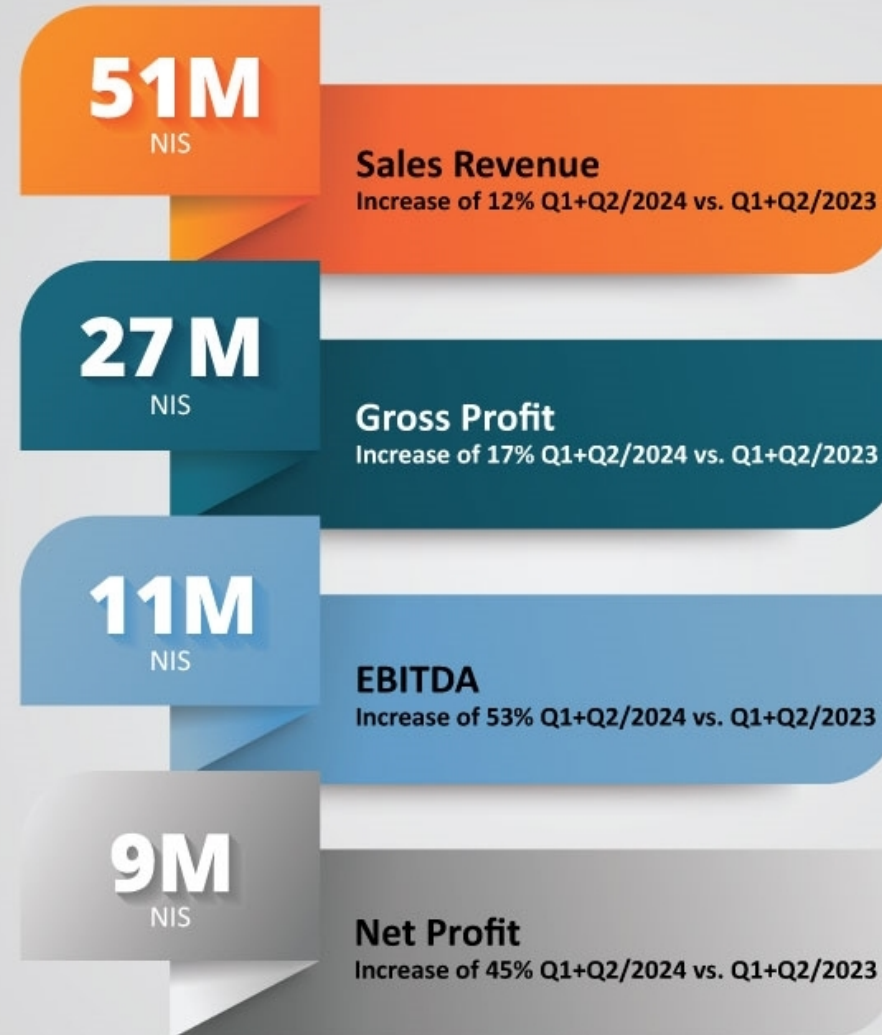
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Elspec Q1+Q2/2024

Q1+Q2 Results Summary

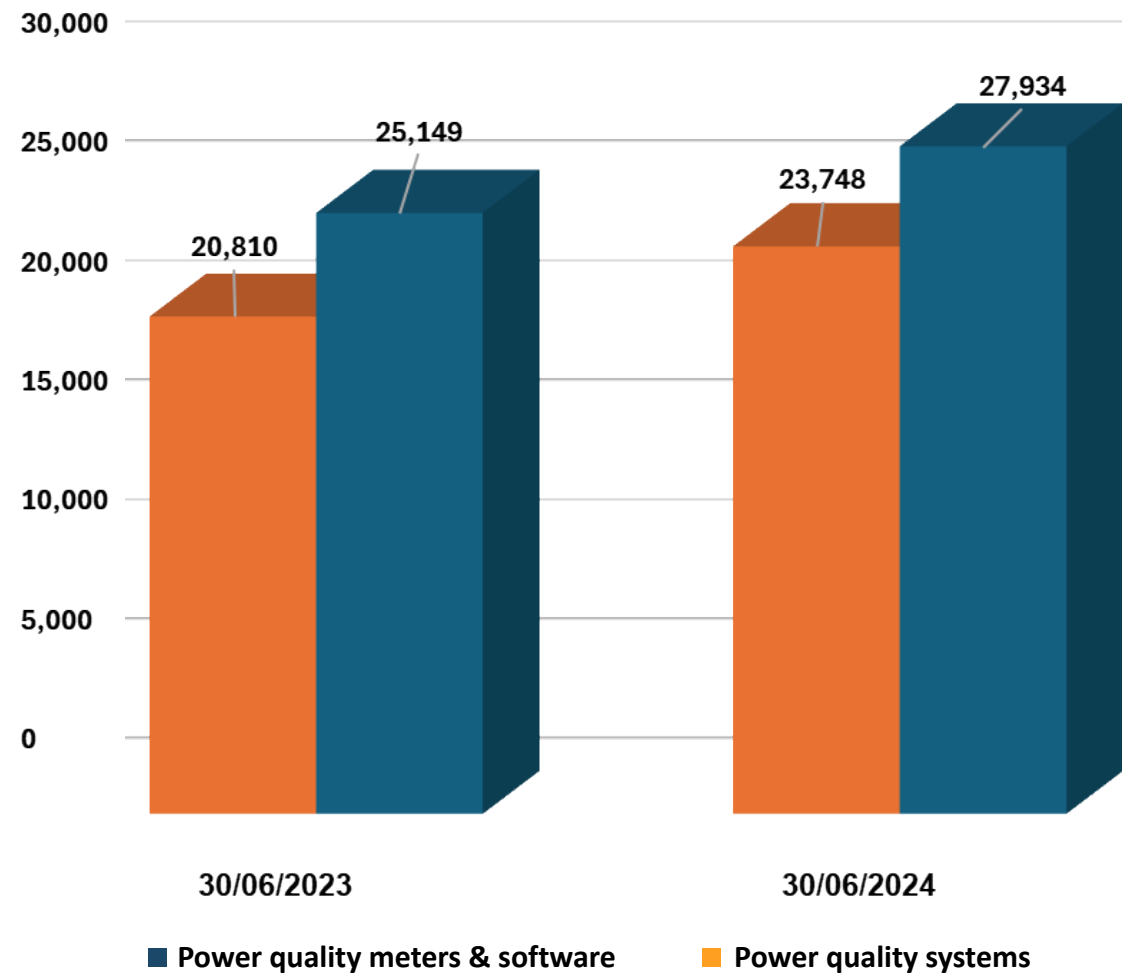
Q1+Q2/2024 Highlights



Q1+Q2/2024 Highlights

Q1+Q2 2024:

- Power quality systems revenue increased by ~14% compared to the same period last year
- Meter & software increased by ~11% compared to the same period last year



* The data is presented in thousands of NIS

Key Projects

Taiwan Plastic Corporation

200 G4K Analyzers monitor the power for a plastic plant in Taiwan enabling advanced analysis of the plant operations.



Key Projects

Solar Rooftop Panels

Espec Equalizer system reduced the reactive power, mitigated Harmonic distortion and improved Power Factor from Solar Panel installation on rooftops of industrial building in the Philippines.



Key Projects



Wind Farm

30 G5 Multi-Functional Recorders monitor the power at a wind farm in England



Key Projects

BMRCL India Metro Rail

8 Elspec G4K Analyzers were installed at Bangalore Metro Rail Corporation Limited (BMRCL) in Karnataka, India substations, addressing the critical need for reliable and efficient metro services.

Around 688K passengers daily, second only to the Delhi Metro.



Key Projects

Medium Voltage System for the Metal Industry

Elspec designed a total of 15MVar systems for a metal manufacturing and processing plant owned by a large Swiss company specializing in mining and metal processing.





About Elspec

Our Vision

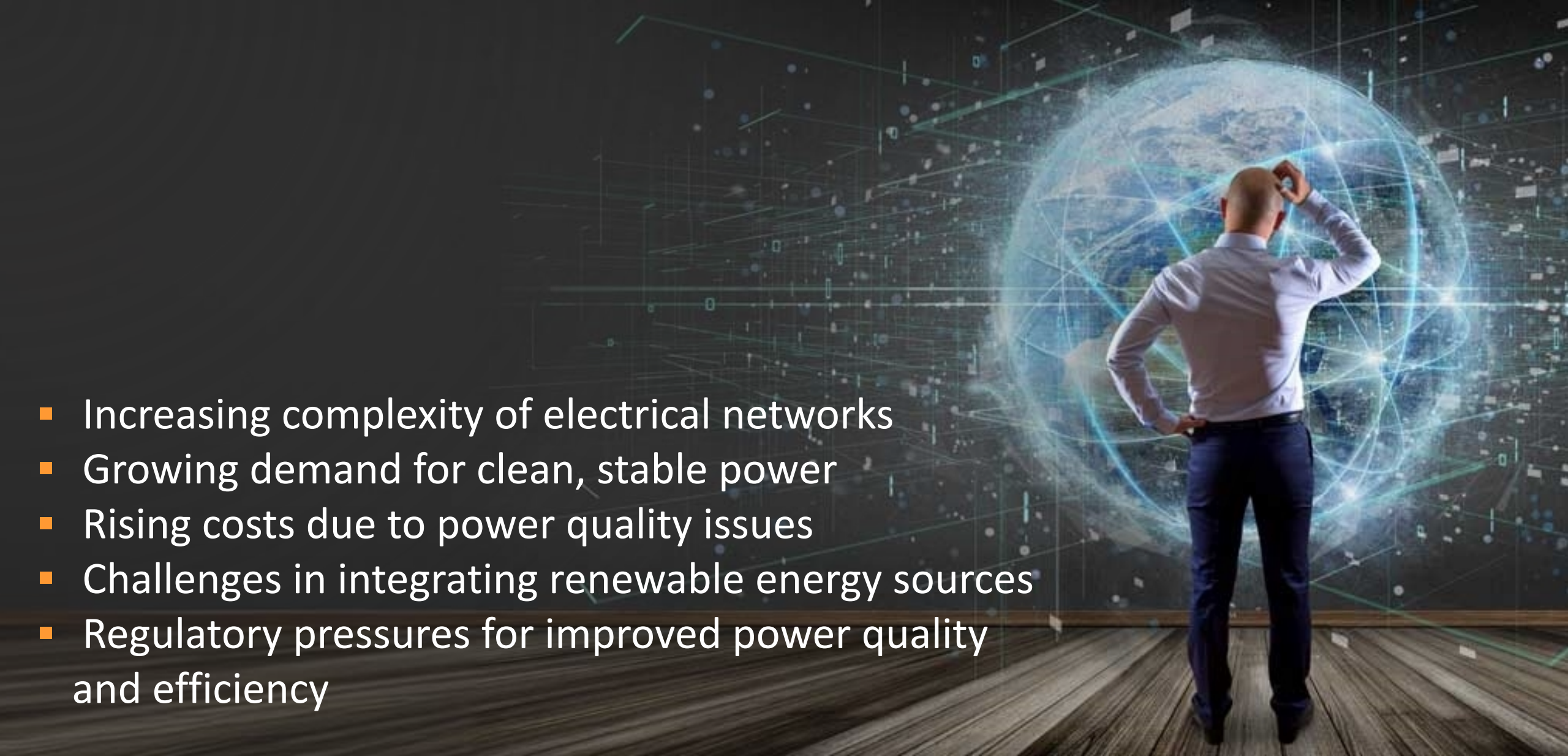


**Empowering a world of perfect power quality
for sustainable and efficient energy use.**



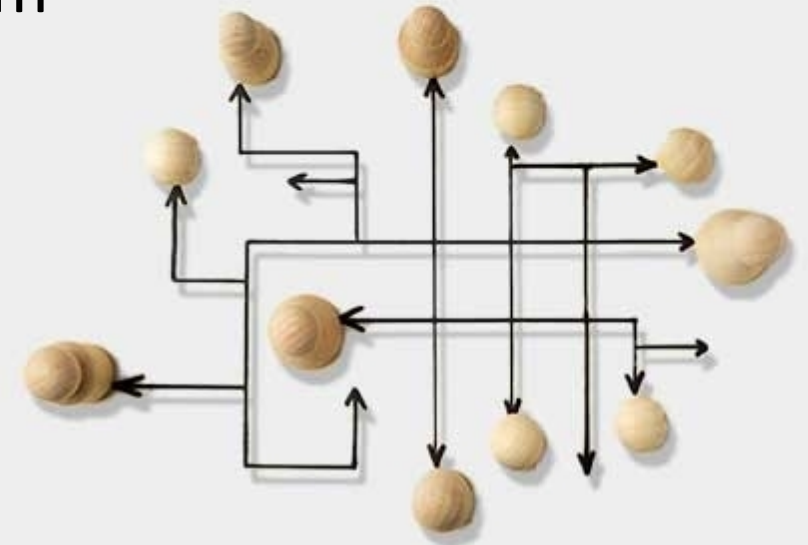
As a global leader in electrical power quality solutions, our mission is to revolutionize the industry by advancing technologies that set new standards in power quality analysis and monitoring. With over 35 years of expertise, we are committed to delivering innovative solutions that empower our customers to confidently navigate and overcome their most complex power and energy challenges.

Industry Challenges

- 
- A man in a light blue shirt and dark trousers stands on a wooden floor, looking at a large, glowing digital globe. The globe is surrounded by a complex network of green lines and dots, representing a global electrical network. The background is dark, with more network lines visible.
- Increasing complexity of electrical networks
 - Growing demand for clean, stable power
 - Rising costs due to power quality issues
 - Challenges in integrating renewable energy sources
 - Regulatory pressures for improved power quality and efficiency

Elspec's Comprehensive Approach

- Advanced power quality analyzers with continuous recording
- Innovative software for monitoring and analysis
- Real-time power quality correction systems
- End-to-end power quality management ecosystem



Elspec Product Line

Power Quality Analyzers & Recorders



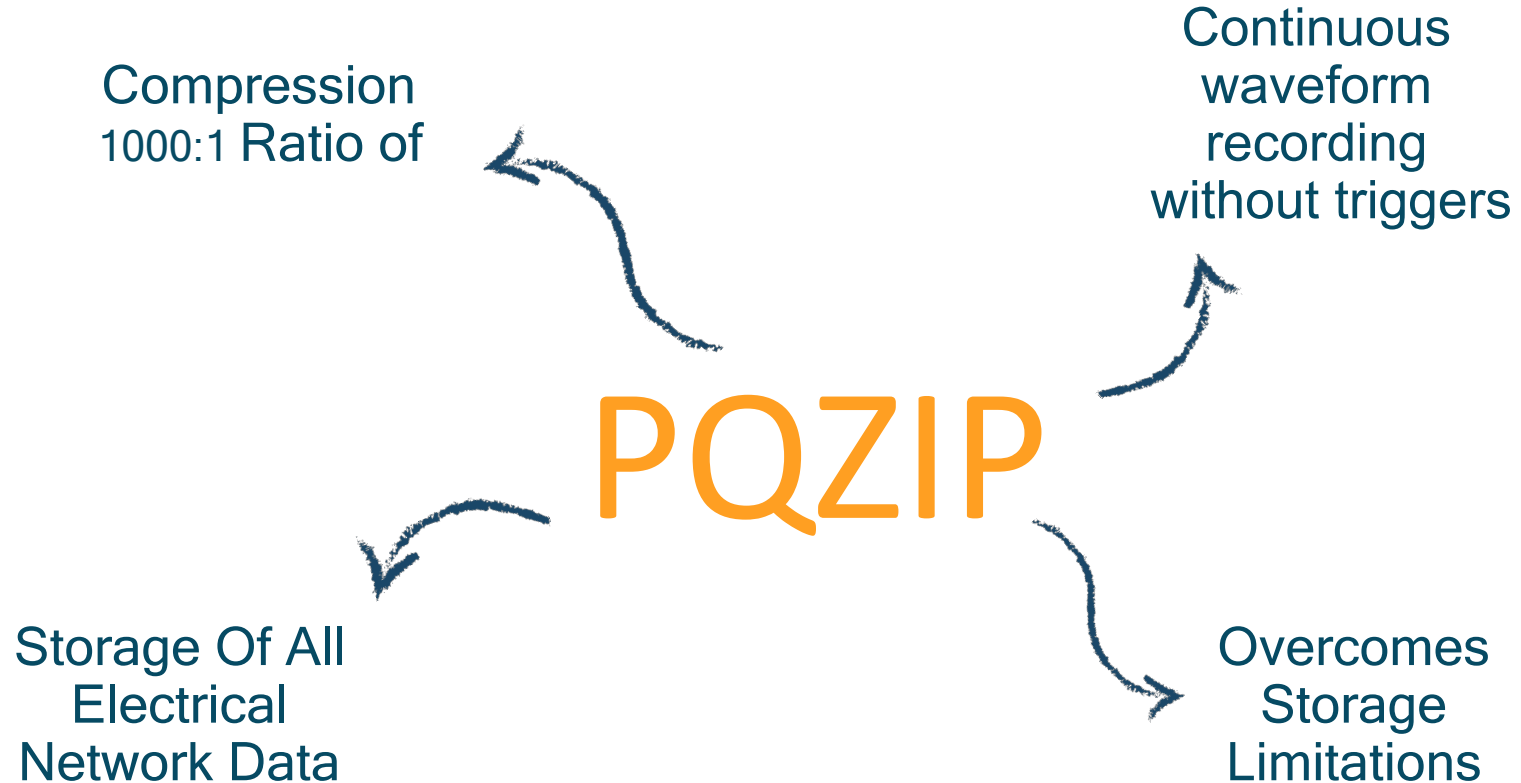
Power Quality Software



Power Quality Solutions



Revolutionary PQZIP Compression Technology



Advanced proprietary compression algorithm

Power Quality Analyzers & Recorders

Elspec's advanced analyzers and multi-functional recorders capture, monitor and record all waveform signals continuously at 256/512/1024 samples per cycle; Every parameter, nothing ever missed.

Our meters & recorders far surpass the highest Industry standards and comply with IEC 61000-4-30 Class A.

Elspec's products are equipped with Elspec PQSCADA Sapphire, enabling a view and analysis of more than 5,000 power parameters at any given resolution from the acquired waveform signals.



Fixed
power quality analyzer
G4K



Portable
power quality analyzer
G4500



Handheld
power quality analyzer
PUREBB

Power Quality Analyzers & Recorders

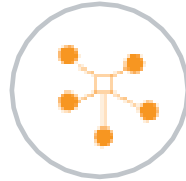
Modular Design



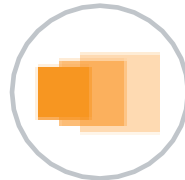
24-Bit Continuous acquisition
at 1,024 sample per
cycle[50/60Hz]



Centralized and
decentralized architecture



Scalable architecture



Communication



4x
USB

2x
SFP

2x
Serial

Power Quality



10k
Parameter

1k
Sample

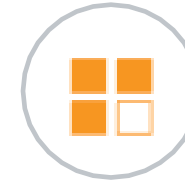
512
Harmonics



G5 Digital Fault Recorder



Supreme synchronization
<0.1 μ sec on any channel



Complies with IEC 61850 MMS,
GOOSE messaging and sample
value



Comprehensive web interface



7" touch LCD

Power Quality Solutions



Low Voltage
Equalizer/Activar



Compact & Hybrid
Equalizer/Activar



Outdoor Medium
Voltage Equalizer



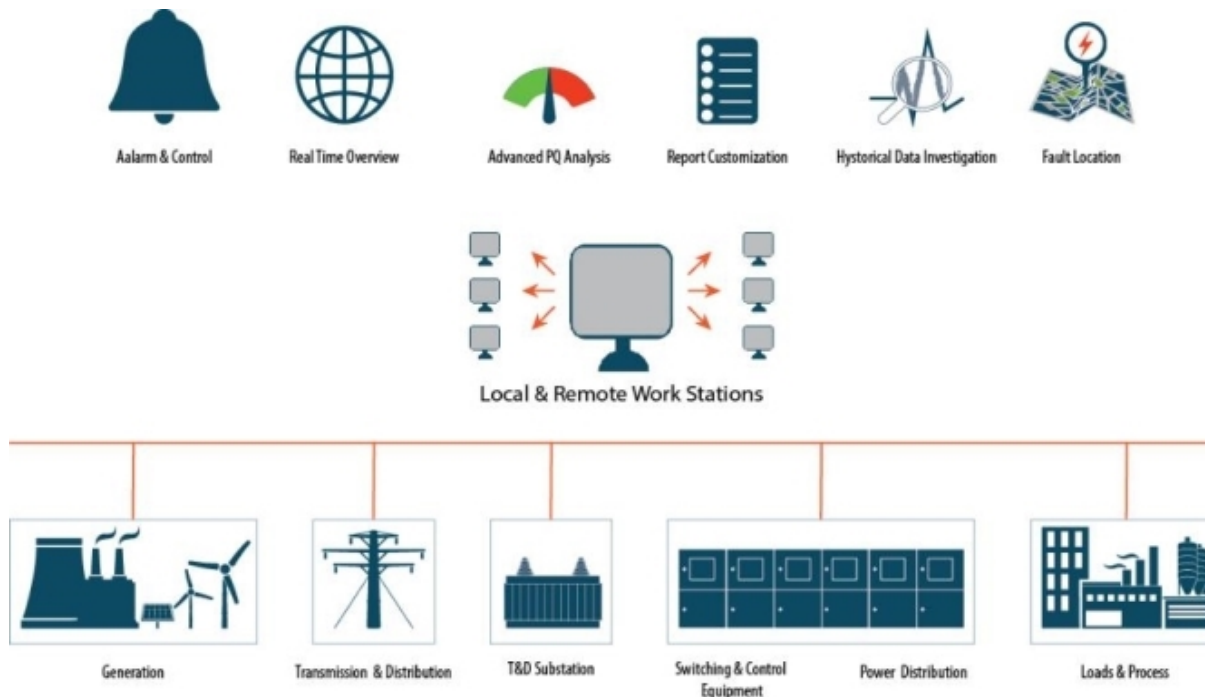
Indoor Medium
Voltage Equalizer

Elspec's systems eliminate voltage drops, filter harmonics, improve power factor and production efficiency with transient-free, smooth switching.

Power Monitoring Software



Elspec's PQSCADA Sapphire's multi-vendor support sets a new standard for power monitoring software. Our power management software enables the gathering and analysis of all recorded data in one place, regardless of IED manufacturer.

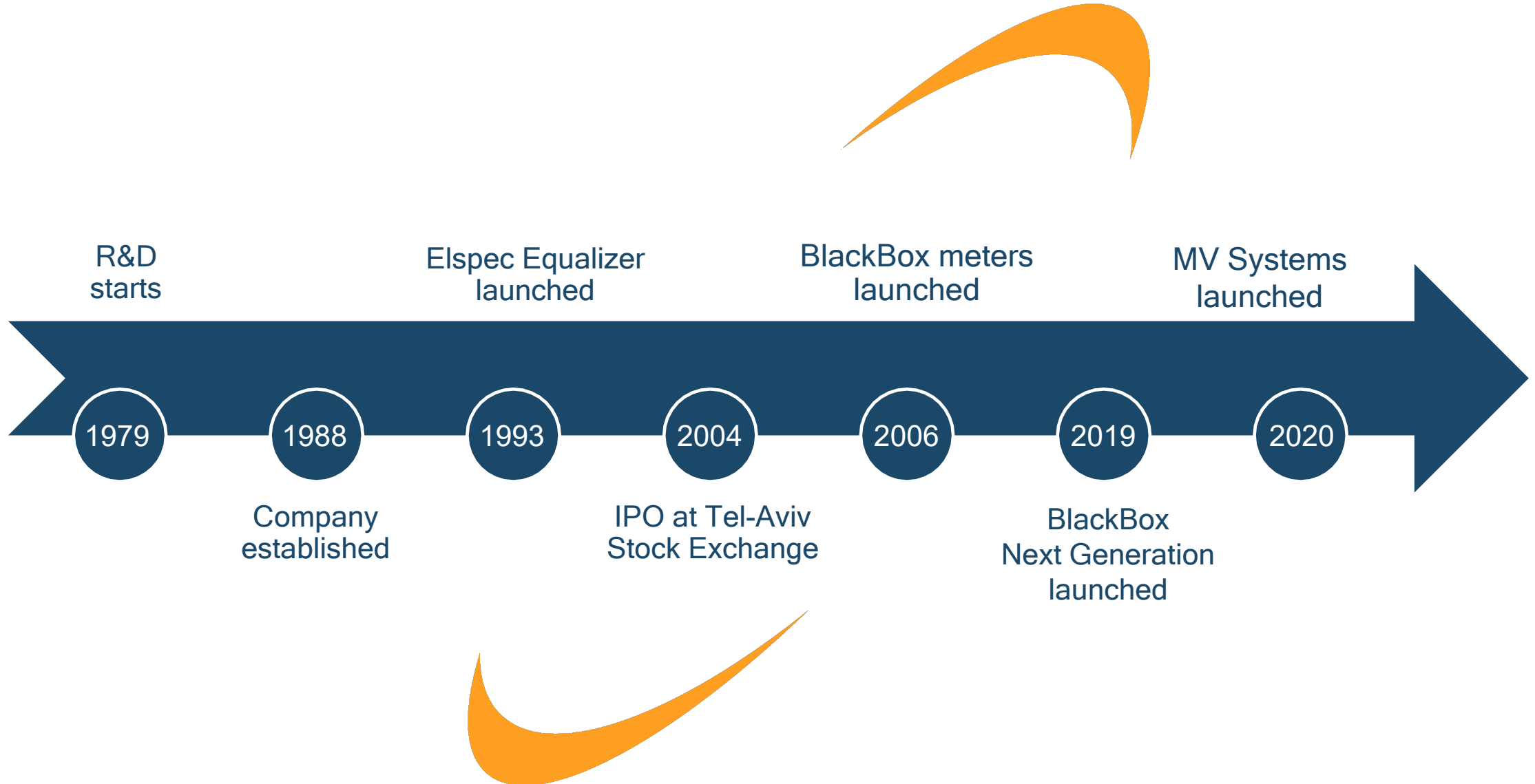


Finest Power Quality Analysis

- Server solution for enterprise
- Advance reporting module
- Multi-Vendor support
- User-friendly

[Watch YouTube video here](#)

Our Story



Worldwide Presence



Worldwide Power Quality Leaders

Since



1988



More Than



26K



Meters
installations

Over



4.5 GVA_r



Systems
installations

Operating in



75+



Countries

Partners & Customers



Elspec Q1+Q2/2024



Market

Market Potential

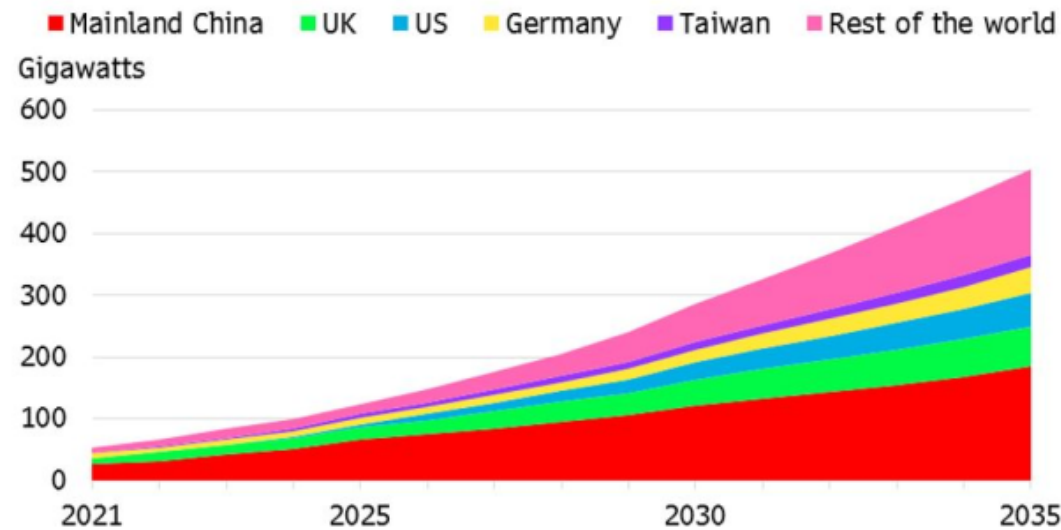
- AI is poised to drive 160% increase in data center power demand
- The global power quality market is experiencing robust growth
- Driven by the increasing demand for reliable and efficient energy solutions
- Key sectors: industrial, utilities, renewables



Offshore Wind Farms Market

Explosive Growth

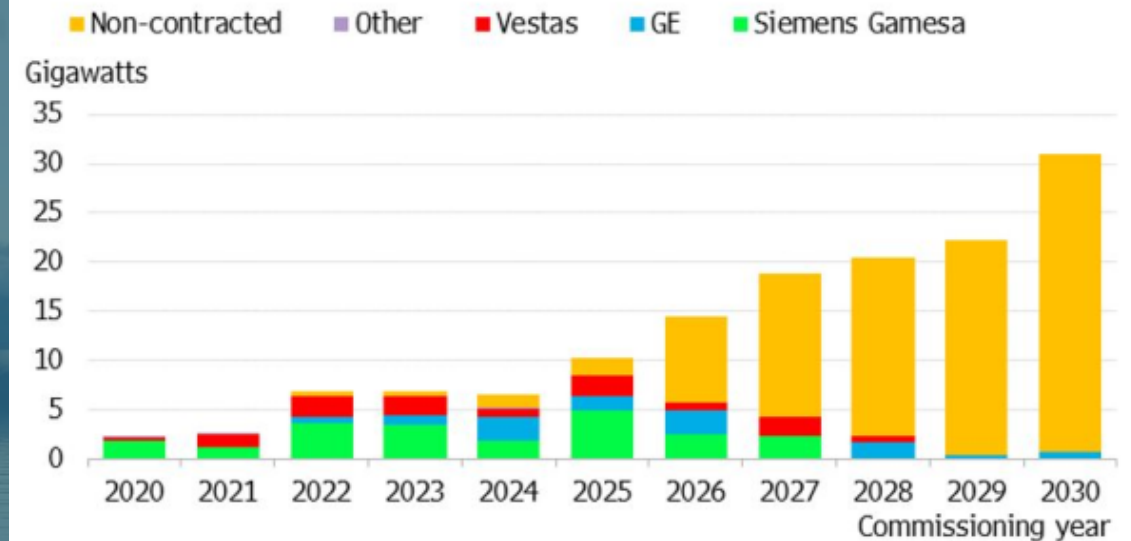
Cumulative offshore wind capacity is set to grow 10-fold by 2035



Source: BloombergNEF. Note: See BNEF's 1H 2022 Offshore Wind Market Outlook for list of markets included in the 'Rest of the world' category.

Competition Heats Up

Turbine makers are vying for over 93 gigawatts of projects after 2025



Source: BloombergNEF. Note: Other = Doosan, Goldwind, Hitachi, Mingyang and Senvion.

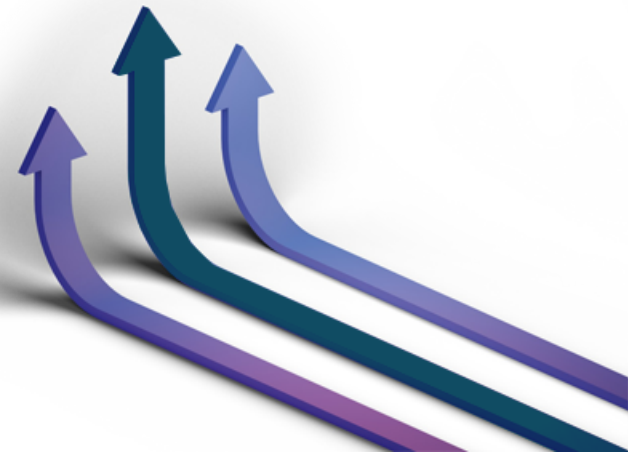
Elspec Growth Opportunities

- Increasing demand for power quality management
- Expansion of renewable energy sector
- Growing complexity of electrical networks
- Rising awareness of energy efficiency
- Key partners: Siemens, Vestas, Nordex
- Stricter regulations driving adoption of advanced solutions



Elspec's Competitive Advantages

- 35+ years of experience in power quality solutions
- Advanced proprietary technologies (PQZIP, real-time compensation)
- Comprehensive product ecosystem
- Diverse product range serving multiple industries
- Superior data acquisition and analysis capabilities
- World's most advanced power quality analysis and correction technology



Environmental, Social and Governance (ESG) Impact

- Enabling sustainable use of electrical energy
- Improving energy efficiency across industries
- Supporting renewable energy integration
- Commitment to reducing carbon footprint in operations
- Diversity and inclusion initiatives
- Ethical sourcing and manufacturing practices



Elspec Q1+Q2/2024

Financial Data

Financial Data

	1-6/2024	1-6/2023	31/12/2023
Sales	51,682	45,959	89,391
Gross profit	27,228	23,105	47,078
EBITDA	11,049	7,213	13,857
Net Finance income	752	1,318	1,339
Net profit	9,131	6,284	10,908



* The data is presented in thousands of NIS

Financial Data

	6/2024	2023	2022	2021
Total Assets	113,053	100,700	92,753	89,576
Cash on hand and Short-term deposits	8,688	8,460	12,654	13,622
Inventory	39,491	36,112	29,867	24,768
Net operating Cash Flow	3,405	2,234	5,211	2,999



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Financial Data



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Thank you

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