

DUKOSI RECEIVES THE 2023 MARKET LEADERSHIP AWARD

*Identified as best in class in the global battery cell
monitoring industry*

Best Practices Criteria for World-Class Performance

Frost & Sullivan applies a rigorous analytical process to evaluate multiple nominees for each award category before determining the final award recipient. The process involves a detailed evaluation of best practices criteria across two dimensions for each nominated company. Dukosi excels in many of the criteria in the battery cell monitoring space.

AWARD CRITERIA	
Growth Strategy Excellence	Technology Leverage
Implementation Excellence	Price/Performance Value
Brand Strength	Customer Purchase Experience
Product Quality	Customer Ownership Experience
Product Differentiation	Customer Service Experience

Transforming the Battery Cell Monitoring Landscape

Dukosi Ltd. (Dukosi) is a developer of cell monitoring and battery management technology. The company's cutting-edge solutions provide real-time monitoring and accurate data analysis, allowing users to optimize

“The company has a robust global presence, with operations in North America, Europe, and Asia. This strategy allows Dukosi to broaden its reach, increase its market share, and get a better understanding of customer requirements and needs in different parts of the world. A global presence gives the company a competitive advantage that enables it to maintain a leading position in the battery cell monitoring industry.”

- Silvana Rulet
Best Practices Research Analyst

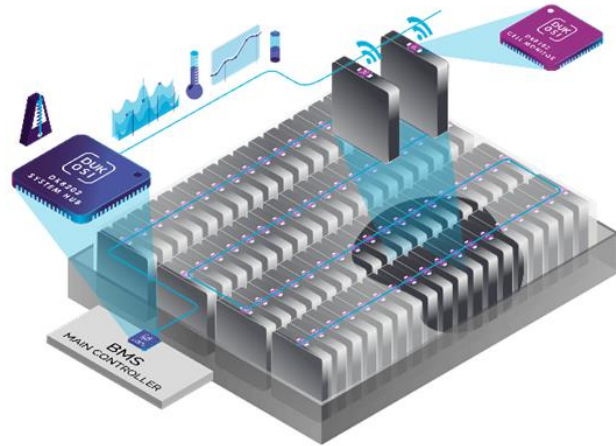
battery performance and prolong battery life. Through a strong focus on safety, reliability, and sustainability, Dukosi's technology is gaining widespread adoption in various industries, including automotive, industrial mobility, and energy storage. With its proven track record and outstanding commitment to customer service, the company is well-positioned to sustain market leadership.

Building upon a Strong Foundation

With its chip-on-cell sensing platform, Dukosi addresses an unmet market need ahead of competitors. The solution provides insights into each battery cell through embedded software, onboard processing, and memory. Moreover, this technology allows for accurate,

contactless, and synchronous communication between cells and the main battery management system (BMS), enabling organizations to monitor the status, health, and performance of every cell in real-time. The platform features integrated circuits mounted on the cells of a battery that communicate through an antenna to a central receiver. It works with C-Sync®, Dukosi's proprietary contactless communication protocol, which eliminates the need for low-voltage wiring and connectors that increase unnecessary weight and are prone to failure. Moreover, by eliminating wiring harnesses and other components of traditional wired systems, this solution enables automated production and manufacturing processes.

Unlike traditional battery packages, each cell features a sensor chip that detects voltage and temperature. It can identify even the most subtle changes and abnormalities, including when the battery management system controller is in standby or sleep mode or not connected at all to the BMS¹. Furthermore, the cells feature a unique identification (ID) that matches the serial number, enabling manufacturers to track cell performance throughout its lifetime and detect damage during shipping, storage, or use. When a battery reaches the end of its first life application, its ID and on-cell lifetime data allows organizations to analyze the potential for reuse or recycling². This capability pushes



Source: Dukosi

the industry closer to a closed-loop economy and helps original equipment manufacturers (OEM) demonstrate compliance with regulations, including the EU's new Battery Regulation.

Thanks to its ability to cover market gaps and deliver groundbreaking solutions across the battery value chain, Dukosi has become a top choice for businesses seeking to optimize operations, enhance safety, and reduce costs.

A Leader's Strategic Framework: Sustainable, Long-term Growth

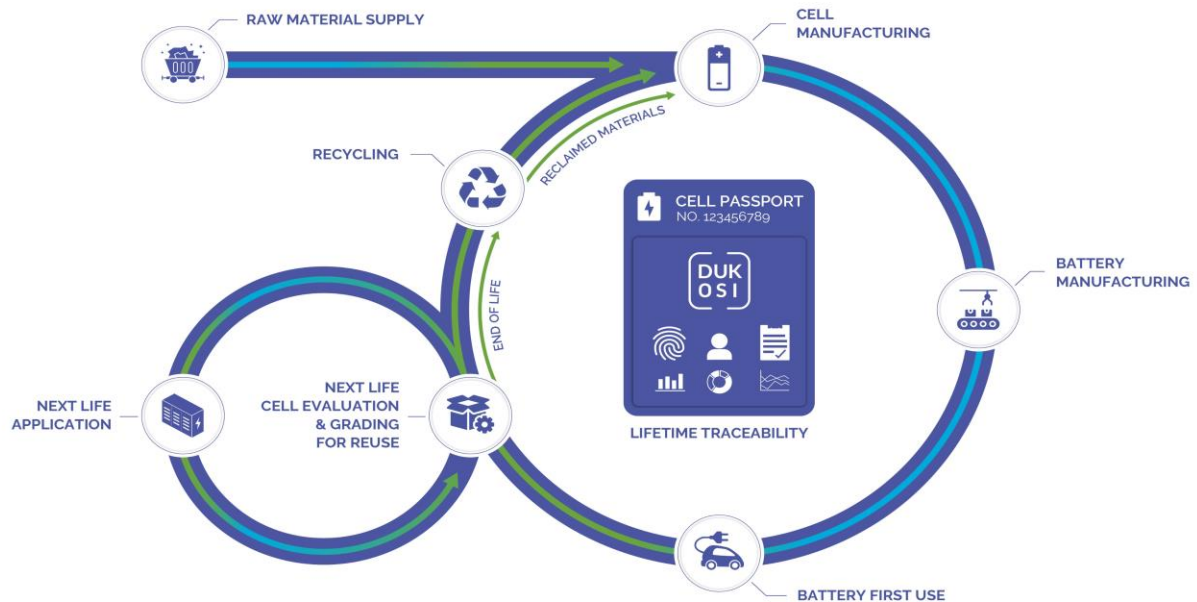
Dukosi's primary mission is to increase the performance, safety, and sustainability of battery systems, identifying and fulfilling customer needs. Continuous efforts in geographical expansion improve upon existing services and pave its roadmap to advance the market. The company has a robust global presence, with operations in North America, Europe, and Asia. This strategy allows Dukosi to broaden its reach, increase its market share, and get a better understanding of customer requirements and needs in different parts of the world. A global presence gives the company a competitive advantage that enables it to maintain a leading position in the battery cell monitoring industry.

Another strategy that secured Dukosi's global growth is its ability to work across industries. In the automotive market, the company's chip-on-cell technology provides continuous data and event logging

¹ <https://www.dukosi.com/2023/09/20/dukosi-chip-on-cell-technology-helps-next-gen-ev-batteries-to-be-lighter-reliable-sustainable/>

² <https://www.dukosi.com/2023/10/05/reducing-the-barriers-to-second-life-cell-use-promoting-a-sustainable-future-for-electric-vehicles/>

on the cell's status, which allows cell makers and battery pack builders for automotive OEMs to optimize the manufacturing process and reduce test cycles.



Source: Dukosi

Moreover, this capability helps battery pack builders by enabling safer cell storage and transport, pack manufacturing and warehouse handling, and improved aging predictions. The solution identifies cells that don't meet requirements, thus allowing for more efficient battery production and improved maintenance.

“With its chip-on-cell sensing platform, Dukosi addresses an unmet market need ahead of competitors. The solution provides insights into each battery cell through embedded software, onboard processing, and memory. Moreover, this technology allows for accurate, contactless, and synchronous communication between cells and the main battery management system, enabling organizations to monitor the status, health, and performance of every cell in real-time.”

**- Abigail Collins-Carey
Mobility Consultant**

Beyond improving battery safety and performance, it can also provide better warranty and liability protection, as well as more accurate residual value assessment for both battery owners and OEMs. The solution stores detailed lifetime data (including event logging) on each cell, regardless of whether it is connected to the BMS or not, delivering a complete picture of the battery cell's condition, which provides valuable information for assessing for second and third-life use, such as energy storage systems, end-to-life, and recycling³.

Through these comprehensive strategies, Dukosi has developed transformative solutions that adapt to the specific needs of an ever-changing industry, gaining market share and attracting new customers.

³ <https://www.dukosi.com/2023/10/10/intelligent-chip-on-cell-technology-creates-path-to-a-sustainable-battery-value-chain/>

Roadmap to Success: Customer-centric, Continuous, Proactive

Dukosi's approach goes beyond its extensive expertise and best-in-class capabilities, with customer value as a strategic imperative. Over the past years, the company has earned a sterling reputation, supporting customers' paths toward sustainability and a circular economy.

Dukosi builds its technology by collaborating closely with various stakeholders and partners to evolve alongside market needs and trends. In January 2022, the company partnered with GlobalFoundries to produce advanced chips for electric vehicles⁴. Harnessing the power of GlobalFoundries' Auto Pro™ Solution, a platform of automotive technology features, controls, and services, this partnership supports the manufacturing of production-grade silicon designed to meet strict safety and reliability standards in the automotive market, such as the Automotive Electronics Council-Q100 for integrated circuits.

Additionally, in October 2023, the company announced the establishment of a joint laboratory with Suzhou Hengmei Electron Technology Inc. (Hengmei) in Suzhou, China, to accelerate chip-on-cell technology development and commercialization⁵. Leveraging Hengmei's cell connection systems expertise and Dukosi's cell monitoring solutions, this effort will help accelerate the adoption of next generation batteries that will empower the world with electricity.

The company's transparent, seamless approach and close relationships position it as a partner of choice and preferred vendor.

*“After reviewing the **complex wiring** diagrams of high voltage battery packs, it became immediately clear to us the **superiority of Dukosi’s approach**. For EC Power, the cell level intelligence they offer has **unlocked a realm of innovative, next-generation charging protocols**. We couldn't be more excited about what the future holds for this technology.”*

-Eric Rountree, CEO, EC Power

*“Whether electric vehicles, energy storage, or marine applications, Dukosi’s **flexible and scalable** solution is suitable for all our markets and will significantly **reduce time-to-market** due to its **simple architecture**.”*

-Eric Yang, CEO, Suzhou Hengmei Electron Technology

*“Pairing Dukosi’s **unique chip-on-cell monitoring solution** with our flagship Potere™ LTO battery cell product is a perfect match. Dukosi’s solution offers **more granular** and accurate measurements of all cells allowing us to reach strict **SoC efficiency requirements** in our target markets, such as marine, industry trucking or rail transportation. What’s more, the integrated cell passport helps to show **compliance** with latest regulations and **enables a circular economy**.”*

-Mr. Hwang, CSO, Grinergy Corp.

⁴ https://www.dukosi.com/2022/01/12/dukosi_globalfoundries/

⁵ <https://www.dukosi.com/2023/10/25/dukosi-and-suzhou-hengmei-electron-technology-strengthen-partnership-and-establish-joint-development-laboratory/>

Conclusion

A company does not become a market leader overnight. It takes dedication to develop growth strategies paired with excellent implementation. A market leader must earn and maintain customers' trust while impacting and improving the overall market.

Dukosi Ltd. (Dukosi) embodies Frost & Sullivan's definition of a market leader by developing a revolutionary battery cell monitoring solution that provides insights into the status, health, and performance of cells in real time using its unique contactless data transmission. The solution uniquely features a sensor chip that detects temperature and voltage changes in every cell and an unprecedented identification system that provides lifetime monitoring and data logging, helping determine scenarios for second- and third-life use. Moreover, the company's global presence, ability to work across industries, robust supply chain partnerships with renowned organizations, (e.g., GlobalFoundries and Amkor), and industry partnerships, such as Hengmei, have allowed it to grow its customer base and continue innovating in the cell monitoring market. Dukosi is respected, recognized, and pioneering, elevating it to a market leader position.

For its strong overall performance, Dukosi is recognized with Frost & Sullivan's 2023 Global Market Leadership Award in the battery cell monitoring industry.

What You Need to Know about the Market Leadership Recognition

Frost & Sullivan's Market Leadership Award recognizes the company that achieved the greatest market share resulting from outstanding performance, products, and services.

Best Practices Award Analysis

For the Market Leadership Award, Frost & Sullivan analysts independently evaluated the criteria listed below.

Growth Strategy Excellence: Company demonstrates an ability to consistently identify, prioritize, and pursue emerging growth opportunities

Implementation Excellence: Company processes support efficient and consistent implementation of tactics designed to support the strategy

Brand Strength: Company is respected, recognized, and remembered

Product Quality: Products or services receive high marks for performance, functionality, and reliability at every stage of the life cycle

Product Differentiation: Products or services carve out a market niche based on price, quality, or uniqueness (or some combination of the three) that other companies cannot easily replicate

Technology Leverage: Company is committed to incorporating leading-edge technologies into product offerings to enhance product performance and value

Price/Performance Value: Products or services provide the best value for the price compared to similar market offerings

Customer Purchase Experience: Quality of the purchase experience assures customers that they are buying the optimal solution for addressing their unique needs and constraints

Customer Ownership Experience: Customers are proud to own the company's product or service, and have a positive experience throughout the life of the product or service

Customer Service Experience: Customer service is accessible, fast, stress-free, and of high quality

About Frost & Sullivan

Frost & Sullivan is the Growth Pipeline Company™. We power our clients to a future shaped by growth. Our Growth Pipeline as a Service™ provides the CEO and the CEO's growth team with a continuous and rigorous platform of growth opportunities, ensuring long-term success. To achieve positive outcomes, our team leverages over 60 years of experience, coaching organizations of all types and sizes across 6 continents with our proven best practices. To power your Growth Pipeline future, visit Frost & Sullivan at <http://www.frost.com>.

The Growth Pipeline Engine™

Frost & Sullivan’s proprietary model to systematically create ongoing growth opportunities and strategies for our clients is fuelled by the Innovation Generator™.

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Key Impacts:

- **Growth Pipeline:** Continuous Flow of Growth Opportunities
- **Growth Strategies:** Proven Best Practices
- **Innovation Culture:** Optimized Customer Experience
- **ROI & Margin:** Implementation Excellence
- **Transformational Growth:** Industry Leadership



The Innovation Generator™

Our 6 analytical perspectives are crucial in capturing the broadest range of innovative growth opportunities, most of which occur at the points of these perspectives.

Analytical Perspectives:

- **Mega Trend (MT)**
- **Business Model (BM)**
- **Technology (TE)**
- **Industries (IN)**
- **Customer (CU)**
- **Geographies (GE)**

