

ENERGY OPTIMIZATION AND DYNAMIC GROWTH



True market success favors companies fearless enough to reach beyond limits and strive for more.

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Lumel stands for innovation, reliability, and cutting-edge solutions in industrial automation – trusted by industry leaders worldwide

Lumel SA is a company with a 70-year tradition that has become one of the leaders in industrial process automation technologies and energy efficiency solution provider in Poland.

Despite global market challenges, the company not only maintains its position but continues to grow dynamically. A key area of Lumel SA's operations is the production of industrial automation devices aimed at energy optimization, which serves as the foundation for profitable and sustainable industrial production across virtually all sectors of economic activity.

ENERGY OPTIMIZATION AS A PRIORITY FOR MODERN INDUSTRY

In the era of digital industrial transformation and increasing environmental protection requirements, companies worldwide are seeking effective methods to manage energy and other utilities. Lumel, as a leader in automation technology, provides comprehensive energy monitoring and management systems that integrate data into a single, intuitive environment—leveraging network and cloud technologies. These solutions offer:

- **Precise energy consumption analysis:** Customers can monitor electricity, heat, gas, or water consumption in real-time, enabling the identification of areas for optimization.
- **Monitoring the quality of Energy:** With the increasing Distributed Energy Resource (DER) the need to monitor and control the quality of energy generated by these DER such as solar farms, wind mills on the main grid is more critical than ever before.
- **Cost forecasting:** Advanced algorithms allow for predicting future consumption and costs based on historical data and current trends.
- **Remote management:** Lumel's solutions enable device control from anywhere in the world, improving operational efficiency and minimizing losses.
- **Energy efficiency monitoring:** Helping identify inefficiencies and optimize processes.
- **Integration with renewable energy sources (RES):** The company supports its clients in effectively integrating RES into existing energy management systems.
- **Reduction of CO2 emissions:** With implemented solutions, Lumel helps companies achieve ESG goals by offering tools/systems for reporting and reducing emissions.

MODERN TECHNOLOGIES: CLOUD AND AI

Lumel invests heavily in the development of systems based on cloud technology and artificial intelligence (AI). These solutions will soon enable even faster and better processing and analysis of vast amounts of data in real-time, which is crucial for making accurate business decisions. Introducing these technologies responds to the challenges of modern industry and the growing need for cybersecurity and autonomous process optimization.

GLOBAL CHALLENGES, GLOBAL SOLUTIONS

As a member of an international capital group Rishabh Instruments Ltd, Lumel leverages global resources and experience, offering solutions tailored to the specific requirements of local markets. Key elements of the global strategy include:

- **Adapting products to local needs:** Every market has unique requirements; therefore, Lumel designs flexible, scalable systems for both small businesses and large corporations.
- **Research and development collaboration:** The company benefits from innovations developed within the capital group, enabling the rapid implementation of modern technologies with its R&D centers based in Nashik, Mumbai, Shanghai and Zielona Gora.
- **Participation in global standards:** Lumel actively participates in creating global industry standards, further strengthening its leadership position.

→ DYNAMIC GROWTH DESPITE MARKET TURBULENCE

Despite challenges arising from global economic disruptions, Lumel continues to grow year after year. Over the past three years, the company has recorded an impressive revenue growth of 47%, demonstrating its resilience and ability to adapt to changing market conditions and increasing demand for innovative technologies.

→ THE FUTURE WITH LUMEL: INVESTMENTS IN SUSTAINABLE DEVELOPMENT

Lumel continuously strives for excellence in delivering solutions that combine efficiency, ecology, and security. Key areas of future development include:

- **IoT technology development:** Integrating devices and systems within the Internet of Things will allow for even greater process optimization.
- **Autonomous energy management:** Lumel's solutions will use AI to make real-time decisions, further enhancing operational efficiency.
- **Increasing cybersecurity levels:** Investments in cloud system and client data security remain a priority.

Lumel stands for innovation, reliability, and cutting-edge solutions in industrial automation – trusted by industry leaders worldwide. Thanks to a global approach, advanced technologies, and a strong emphasis on energy optimization, the company not only helps its clients reduce operational costs but also contributes to building a more sustainable future. In challenging times, Lumel demonstrates that growth is possible through vision, innovation, and consistent goal realization.

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