

Ukrainian company specializing in AI and Machine Learning Solutions for Global Enterprises, Driving Innovation with Expertise in Natural Language Processing, Predictive Analytics and Computer Vision to Revolutionize Industries Worldwide.

Summary

Profile type	Company's country	POD reference
Business Offer	Ukraine	BOUA20241220009
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement Outsourcing agreement	• World
Contact Person	Term of validity	Last update
<u>Giovanni CHIACCHIO</u>	20 Dec 2024 20 Dec 2025	20 Dec 2024

General Information

Short summary

With team of professionals with over 15 years of experience, Particles Global provides AI and machine learning expertise across industries worldwide. Leveraging cutting-edge technologies like NLP, computer vision, and predictive analytics, the company delivers transformative solutions. Our international team, with a presence in 7 countries like Germany, the USA, Canada and more ensures scalable, innovative results that drive business success.

Full description

Particles Global, founded in 2020, is an AI and machine learning solutions provider specializing in delivering advanced technology capabilities for industries worldwide. With over 15 years of combined expertise in business development, finance, consultancy, and software development, our employees offer powerful solutions to clients across sectors, including healthcare, finance, retail, and more.

Operating in multiple countries such as Ukraine, the USA, Canada, Poland, Germany, Greece, and Sweden, Particles Global brings together an international team of professionals. This diverse, globally spread talent pool ensures that the company combines a wide range of perspectives and skills, adding value to every project it takes

on.

Particles Global empowers businesses with a full spectrum of AI and machine learning services, including Natural Language Processing (NLP), computer vision, predictive analytics, and more. The company uses a team augmentation model to integrate seamlessly with clients' teams, providing expertise and advanced solutions to drive innovation and efficiency.

The company's AI solutions cater to several key areas, such as:

- **Natural Language Processing (NLP):**

Enhancing communication with machines and improving understanding and generation of human language.

- **Computer Vision:**

Transforming visual data into actionable insights, enabling smarter decision-making.

- **Predictive Analytics:**

Using machine learning models to forecast trends and behaviors, empowering organizations to make proactive decisions.

- **Speech Recognition:**

Converting spoken language into text to improve accessibility and streamline business processes.

- **Recommendation Systems:**

Personalizing user experiences by providing tailored recommendations based on data-driven insights.

- **Fraud Detection and Sentiment Analysis:**

Using AI to identify fraudulent activities and analyze user sentiment for better decision-making.



Advantages and innovations

Particles Global combines cutting-edge AI and machine learning technologies with a broad spectrum of software development expertise to deliver transformative solutions for industries worldwide. The company's strength lies in its ability to integrate advanced technologies seamlessly, ensuring that businesses stay ahead in an increasingly competitive landscape.

Particles Global's proficiency spans the full spectrum of technology stacks, empowering them to build comprehensive AI-driven solutions. These solutions are tailored to meet the specific needs of businesses across sectors such as finance, healthcare, retail, and more.

Technologies used to create solutions:

Back-End Development:

Particles Global employs a range of back-end technologies to create robust, scalable, and efficient solutions. Our expertise includes:

.NET/C#, Python, Node.js, C++, Java, Ruby, Golang, PHP - enabling us to create high-performance systems that form the backbone of AI and machine learning applications.

Front-End Development:

Crafting intuitive, engaging user experiences is a core strength. The company leverages advanced front-end technologies to ensure seamless interactions and interfaces, including:

React, Vue, Angular, and JavaScript, creating dynamic, user-friendly platforms for AI and machine learning applications.

QA/Testing:

Ensuring the quality and reliability of their solutions is critical. Particles Global provides comprehensive QA services, including both manual and automation testing, to guarantee that all AI-driven systems perform optimally, even under pressure.

Cloud Solutions:

As AI and machine learning often require significant computational power, in Particles Global we optimize the solutions with tailored cloud infrastructure. Our expertise in platforms like:

Azure, AWS, and GCP ensures that applications are scalable, cost-efficient, and resilient, providing a strong foundation for AI-driven insights and predictions.

Technical specification or expertise sought

Stage of development

Already on the market

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 17: Partnerships to achieve the Goal**



IPR Status

No IPR applied

IPR Notes

Partner Sought

Expected role of the partner

Particles Global's strength lies in its team augmentation approach, integrating AI and machine learning talent directly into client teams to deliver tailored, high-impact solutions. By providing a comprehensive suite of services, Particles Global ensures that clients stay at the forefront of AI-driven innovation.

Particles Global seeks strategic partnerships with enterprises across industries that aim to leverage AI and machine learning for innovation. Ideal partners are looking to integrate advanced technologies like NLP, computer vision, and predictive analytics into their operations. The company is especially interested in collaborating with businesses in sectors such as finance, healthcare, retail, and technology, helping them unlock the full potential of AI to drive business success.

Type of partnership

Commercial agreement**Outsourcing agreement**

Type and size of the partner

- **SME <=10**
- **SME 50 - 249**
- **SME 11-49**
- **Other**
- **Big company**

Dissemination

Technology keywords

- **01005004 - Human Language Technologies**
- **01003024 - Cloud Technologies**
- **01003003 - Artificial Intelligence (AI)**
- **01003001 - Advanced Systems Architecture**
- **01003006 - Computer Software**

Targeted countries

- **World**

Market keywords

- **02007020 - Artificial intelligence programming aids**
- **02007016 - Artificial intelligence related software**
- **02007021 - Other Artificial intelligence related**
- **02007001 - Systems software**
- **02007006 - Other system software**

Sector groups involved

- **Digital**