JELLY SPACE

AI & Blockchain Powered

PREDICTIVE & PRESCRIPTIVE SUPPLY CHAIN TOOL-SET

Our Startup

Profile

JELLYSPACE is a pioneering startup at the forefront of revolutionizing the Space & Avionics Industry Supply Chain Management (SCM). Established in 2023, we specialize in leveraging cutting-edge Artificial Intelligence (AI) and Blockchain technology to optimize and secure the data transactions between Supply Chain Tiers.
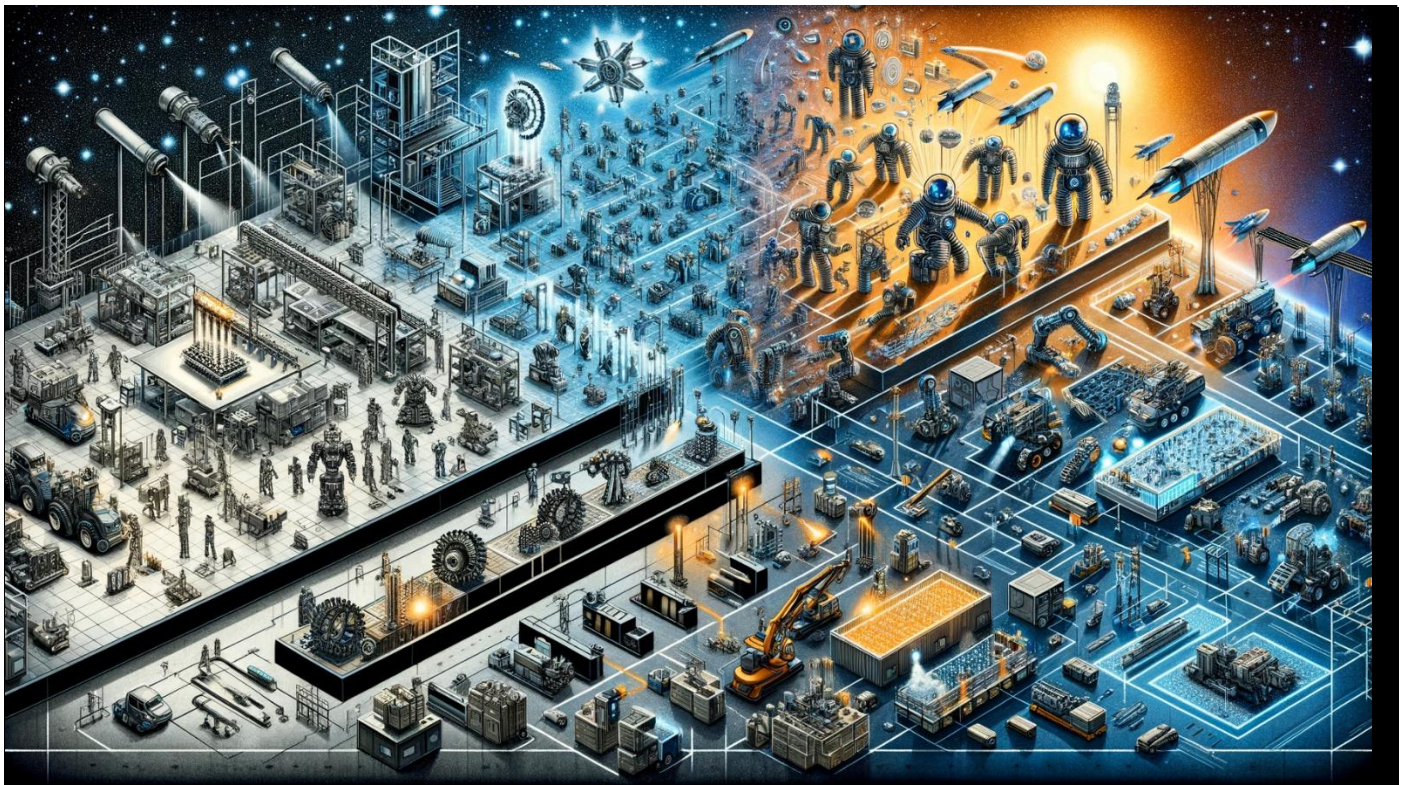
Vision

Our vision is to be the leading innovator in Space and Aerospace Supply Chain Management, fostering a more digitally connected, disintermediated, transparent, and efficient industry. We aim to support the evolution of Space Exploration, Aerospace/Supersonics and Satellite development with state-of-the-art technological solutions.

Core Services

- **AI-Driven Supply Chain Optimization**
  Utilizing Machine & Deep Learning algorithms to enhance forecasting accuracy, streamline inventory management, and optimize logistics for Aerospace & Space related operations.
- **SCM-AI**
  Provides Generative Pre-trained Transformer (GPT) based querying prompt system that can be used for analyzing various Supply Chain scenarios including Design (Mechanical, Electrical, and PCB), Manfacturing & Test.
- **Blockchain-Based Security & Transparency**
  Implementing robust Blockchain Distributed Ledger systems to ensure Zero-Trust, data integrity, secure transactions, and transparent tracking of components from production to deployment.
- **Customized Solutions**
  Tailoring our technology to meet the specific needs of various Aerospace projects, including satellite launches, Space station/ports maintenance, and commercial Space flights.
- **Real-Time Monitoring & Analytics**
  Offering 24/7 monitoring services with real-time data analytics for proactive decision-making and risk management in Aerospace operations.

OUR PRODUCTS

- SCM-AI
- DIGITAL ACQUISITIONS
- IoT/SATELLITES
- MANUFACTURING
- LOGISTICS
- MAINTENANCE
- PRODUCT LIFE CYCLE MANAGEMENT

MADE FOR DUAL USE-CASES

i.e. for Both **Private** & **Defense** organizations

Innovation

JELLYSPACE leverages novel Multiple Machine Learning (ML) Models, Synthetic Data and Multimodal GPT copilots that fetches data to-from Blockchain based ecosystem i.e. both on-chain, servers and cloud.

The ML Models & the GPTs can be accessed through secure Application Programming Interfaces (APIs) that are accessed and controlled through a Zero-Trust Blockhain backend. These APIs can serve the following workflows:

AI-Enable Inventory Optimization	Sourcing Software with Market Intelligence
Supply Chain Visibility Software	Proactive Field Service
Automatic Sorting and Retrieval Systems	IoT track and trace
Supply Chain Digital Twins	Intralogistics Robots

Our Clients

JELLYSPACE serves a wide range of clients, including international Space agencies, Aerospace manufacturing companies, commercial airlines, and Satellite operators. Our solutions cater to both governmental and private sector needs in the Aerospace, Space industries and non-Space industries like Energy, Automotive, Telecom|Mobile, and Industrial Robotics etc.

Commitment to Sustainability

We are deeply committed to sustainable practices in the Aerospace & Space sector. Our AI and Blockchain solutions are designed to reduce waste, promote the use of eco-friendly materials, ensure ethical sourcing, ethical AI and compliance with global environmental standards. We are ITAR/EAR, EDA/CSDP, CMMC, FedRAMP, ENISA and GDPR Compliant.

Contact

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OUR FEATURES

- LLM based Risk Opportunities & Threats (ROT) Assesment

- Intelligent Inventory Management

- AI based Sales & Demand forecasting

- Quality Control

- Predictive Maintenance & Asset Management