BRING AI COMPUTATION TO DECENTRALIZED DATA

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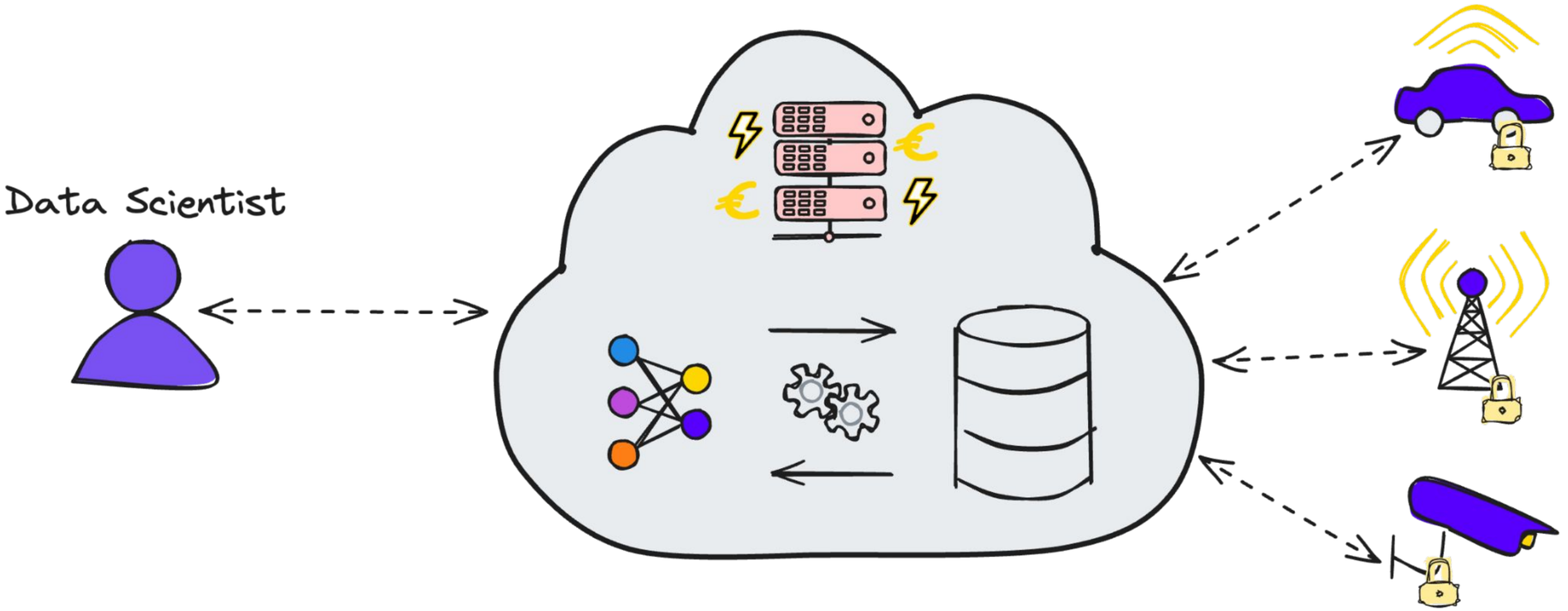
THE DATA SCIENCE LANDSCAPE: CLOUD-DRIVEN VALUE



Process Cost

- **Financial** Cost
- **Environmental** Cost
- **Latency**

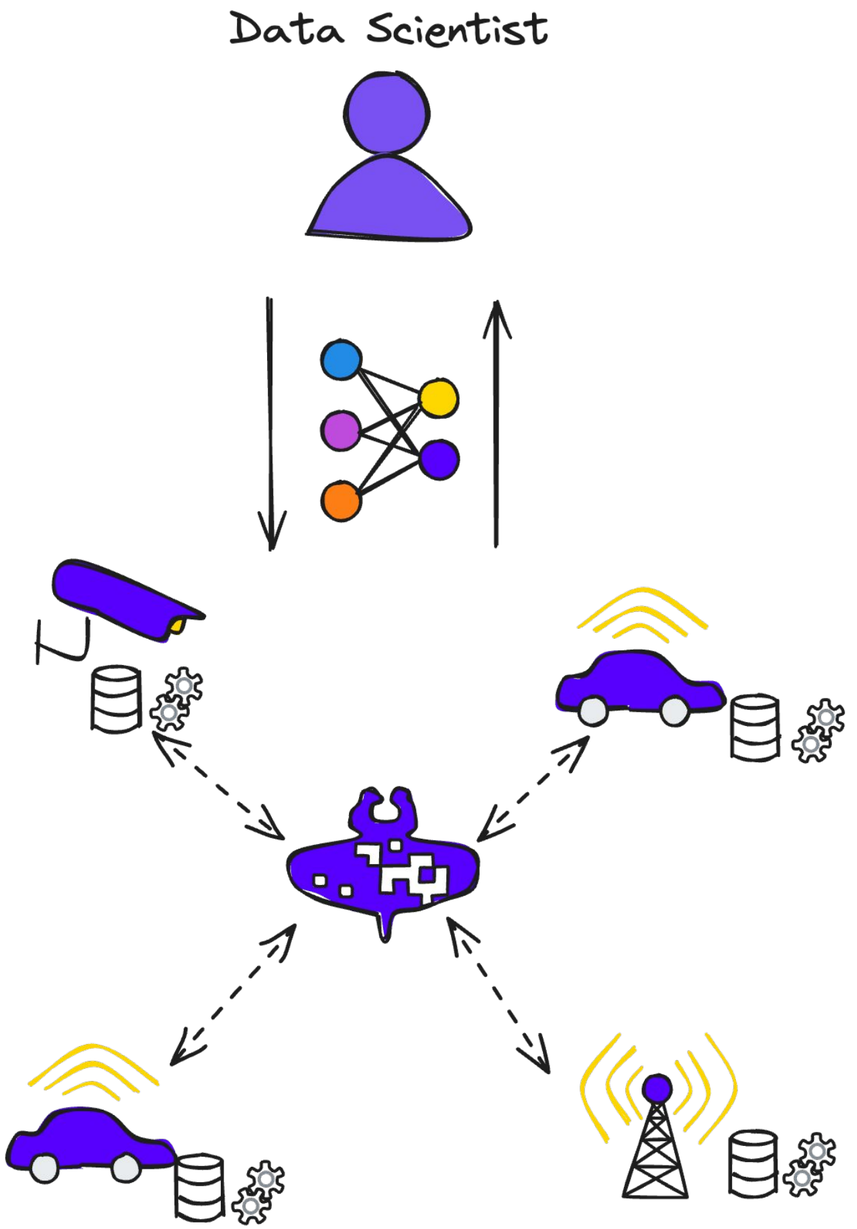
Data-To-Compute

Data Security

- Companies' **Sovereignty**
- User **Privacy** (GDPR)

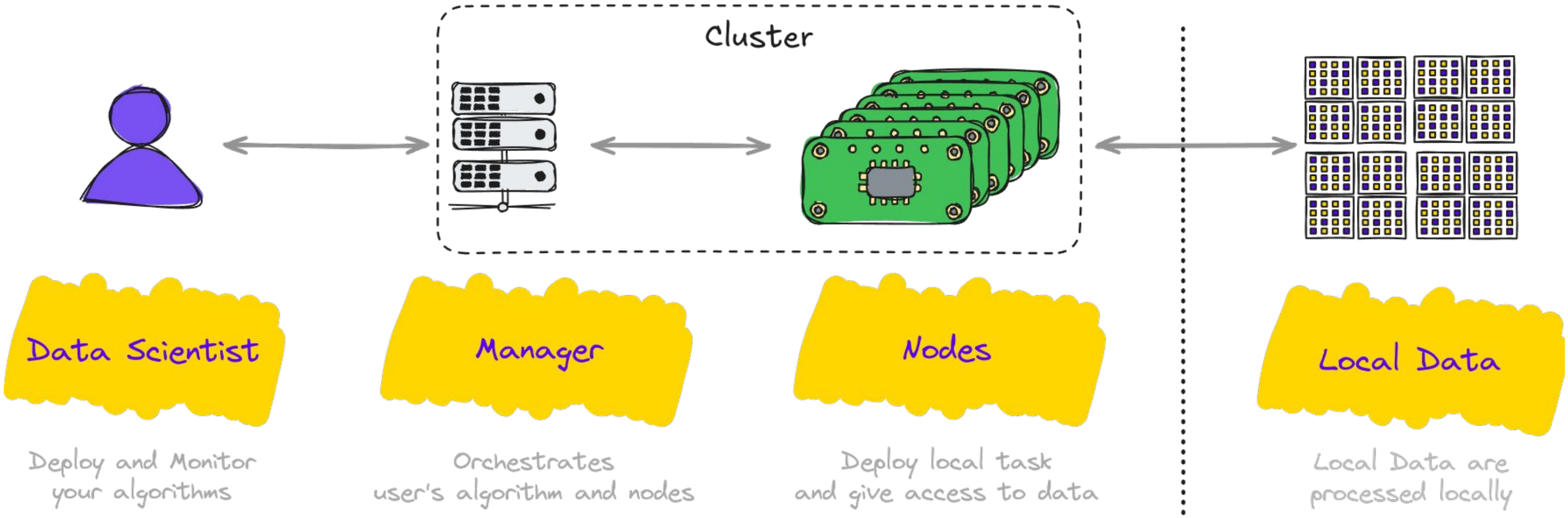
REVOLUTIONIZING AI WITH COMPUTE-TO-DATA

- **Local Processing**
- **Empowered Embedded Devices:** Modern edge systems, leverage **enhanced on-device computing power**.
- **Collaborative Algorithms:** Harnessing **decentralized** and **federated learning** to enable real-time collaboration across devices.



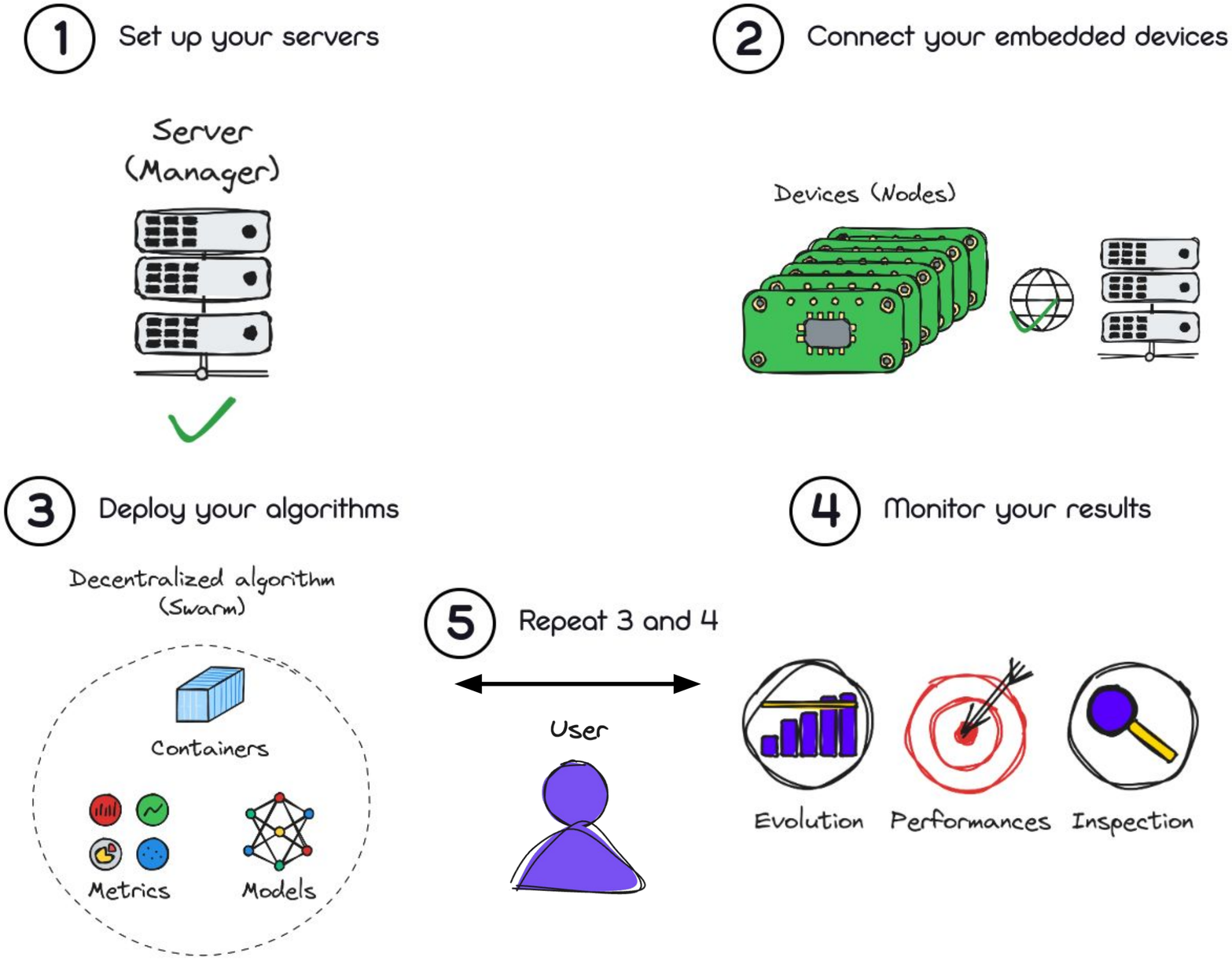
DEPLOY SOVEREIGN, SECURE, AND COST-EFFECTIVE AI SOLUTIONS

- **Data Sovereignty:** Retain control over your data throughout the AI lifecycle.
- **Built-In Security:** Secure-by-design processing safeguards sensitive data.
- **Cost Optimization:** Minimize costs from prototyping to production with efficient on-premise deployment.



MANTA: SEAMLESS AI LIFECYCLE FROM PROTOTYPE TO PRODUCTION

- From **data analysis** to **model deployment**:
  Manta's Compute-to-Data framework optimizes every stage of the AI lifecycle.
- **Reduced Latency**:
  Fast, real-time data processing for embedded systems.
- **Secured Collaboration**:
  Secure-by-design collaboration across connected mobility systems.
- **Unmatched Flexibility**:
  Integrate and innovate with new algorithms and tools, ensuring continuous adaptability in complex environments.



Hugo Miralles

CEO

Combines a scientific background in Federated Learning with a passion for ethical AI and team building.

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TEAM MANTA

Benjamin Bourbon

CTO

A detail-oriented technologist. Benjamin's expertise lies in computer science, AI, and distributed computing.

AUTONOMOUS MOBILITY: A RAPIDLY EVOLVING MARKET

Autonomous Vehicles Europe

CAGR 41.1 %* **76 billion US$**

Autonomous Vehicles Worldwide

CAGR 13,5 %* **2 trillion US$**

- **Emerging Standards**:
  The shift towards autonomous and connected vehicles requires **new industry standards**.
- **Clean and Smart Cities:**
  Aligned with global efforts to create **greener and smarter cities**, autonomous mobility integrates with city infrastructure for a more sustainable future.
- **Technological Transformation:**
  From sensor-driven decision-making to **collaborative AI across vehicles, infrastructure, and smart cities**, the market is embracing transformative innovation.

CAGR : Compound Annual Growth Rate *by 2030 Sources: [1] [2]

INDUSTRY 4.0: SEIZING THE OPPORTUNITY WITH DECENTRALIZED AI SOLUTIONS

Industry 4.0 Europe

CAGR 19.2 %* **36 billion US$**

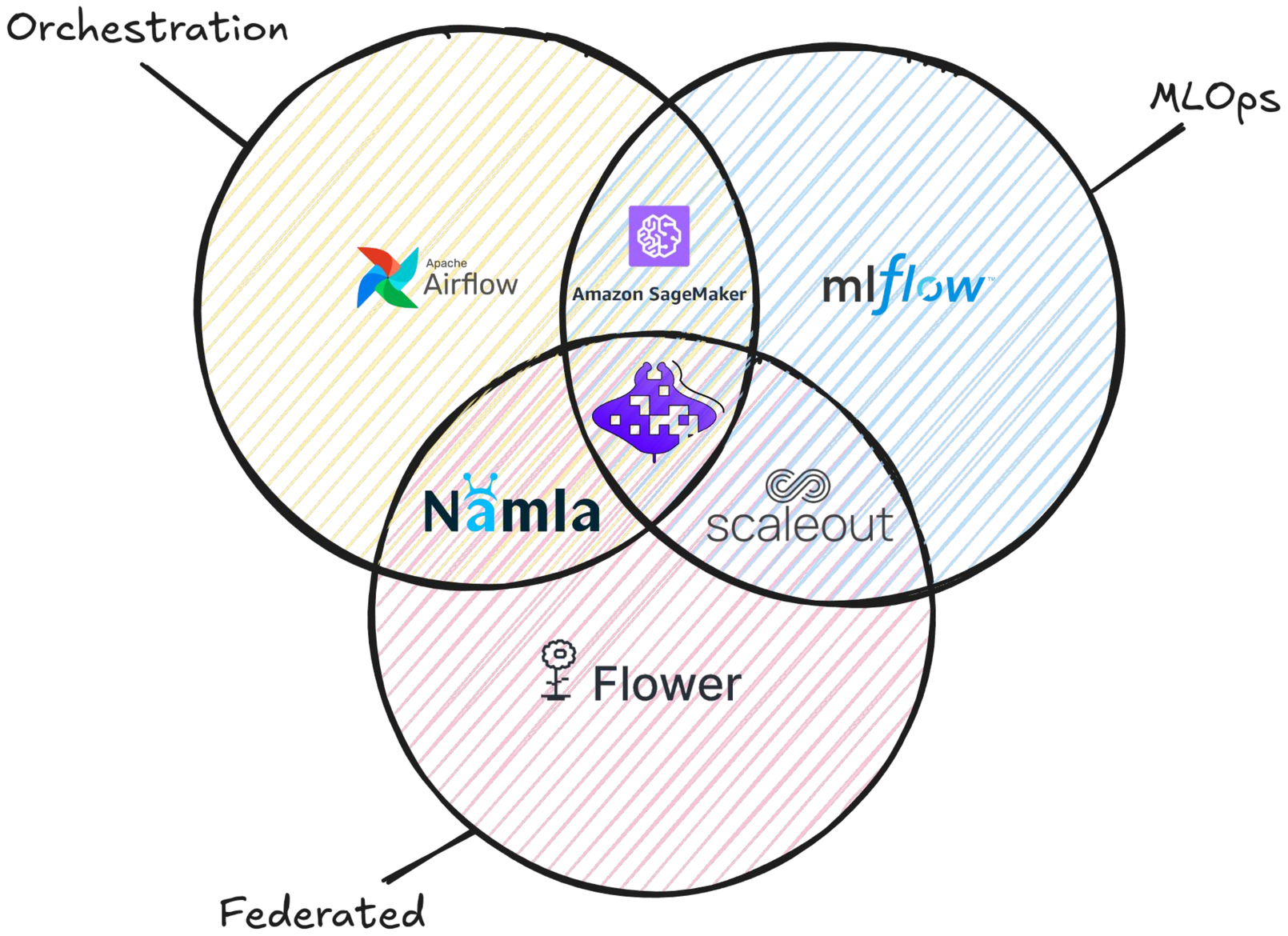
Industry 4.0 Worldwide

CAGR 20,7 %* **94 billion US$**

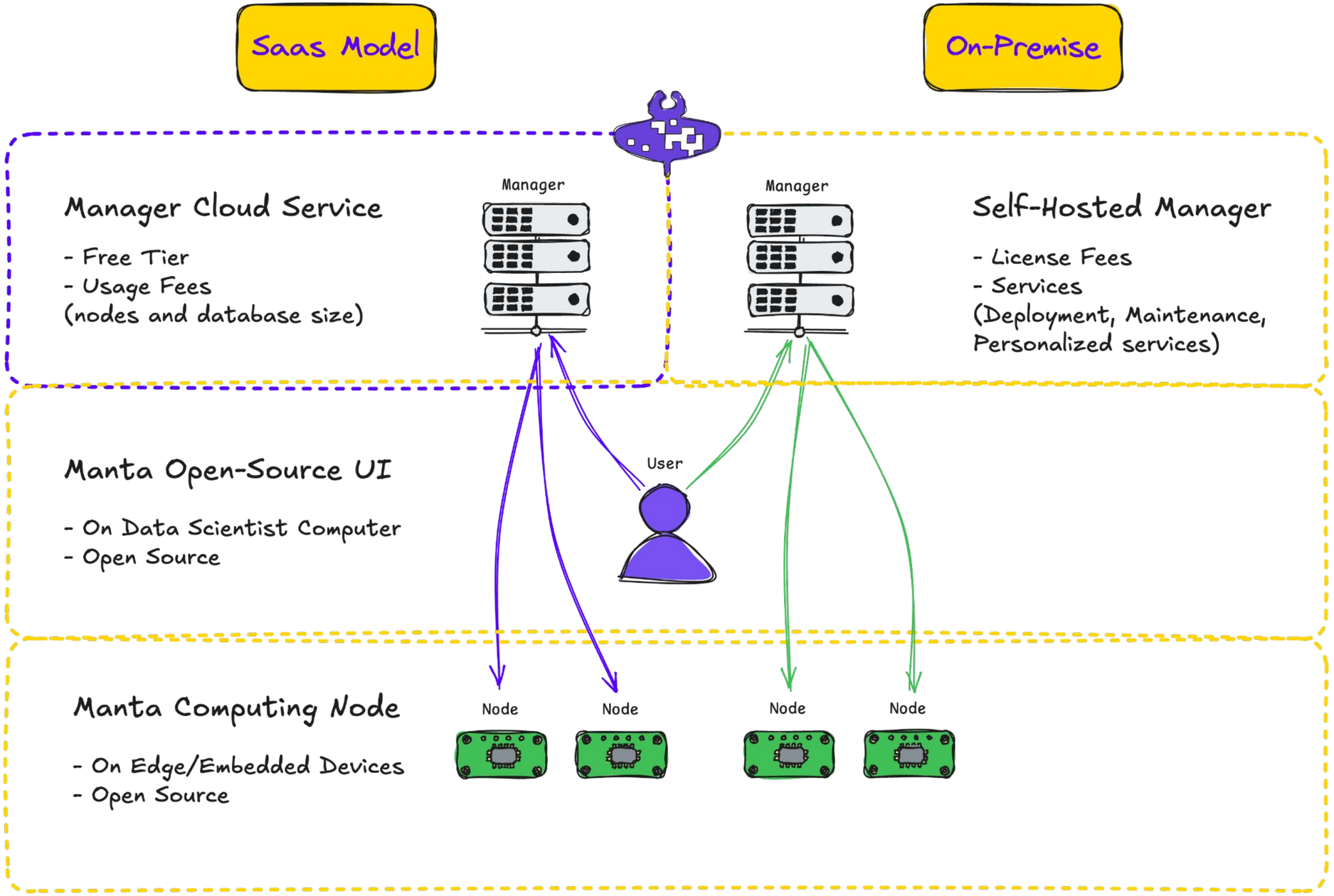
- **Decentralized Data Management**
  Decentralized processing solutions reduce **bandwidth costs** and **improve latency**.
- **Predictive Maintenance**
  Manta facilitates the deployment of predictive maintenance solutions, **reducing downtime** and **operational costs**.
- **Emerging Applications in Automation**
  Embedded AI technologies enable the **automation** and **optimization of production lines**.
- **Data Security and Sovereignty**
  Manta's solutions ensure **secure data management**, addressing the growing concerns around **cybersecurity** and **sovereignty**.

CAGR : Compound Annual Growth Rate *by 2030 Sources: [1] [2]

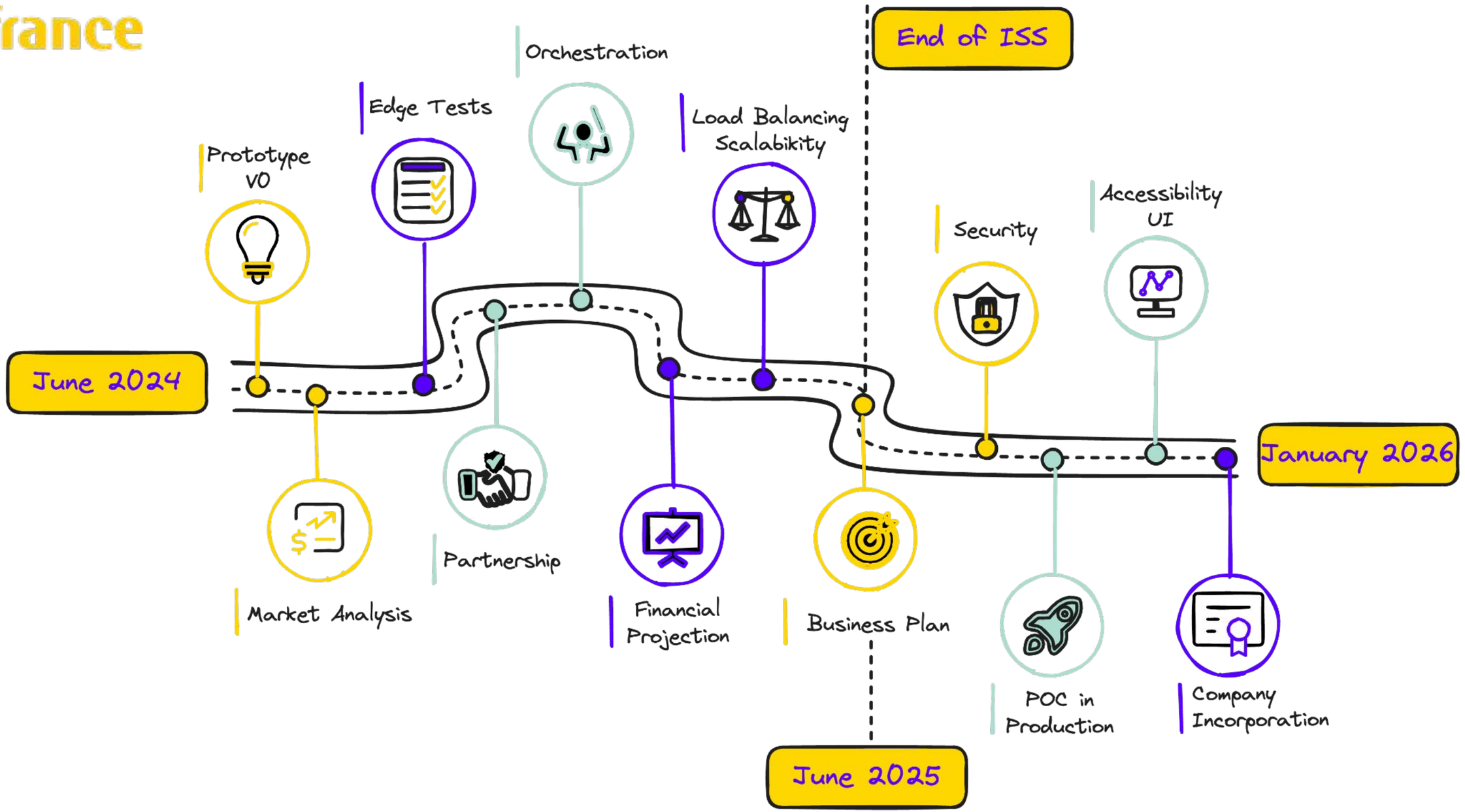
MARKET: NAVIGATING COMPETITIVE WATERS



MANTA: A HYBRID AND SCALABLE BUSINESS MODEL



MANTA ROADMAP: FROM INNOVATION TO MARKET IMPACT



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THANKS FOR YOUR ATTENTION