



**Simplifying
Industrial Design**
with Artificial Intelligence

Problem statement

Depending on the complexity, 30-40% of the total timeline for building an industrial machine is consumed in the design phase where,



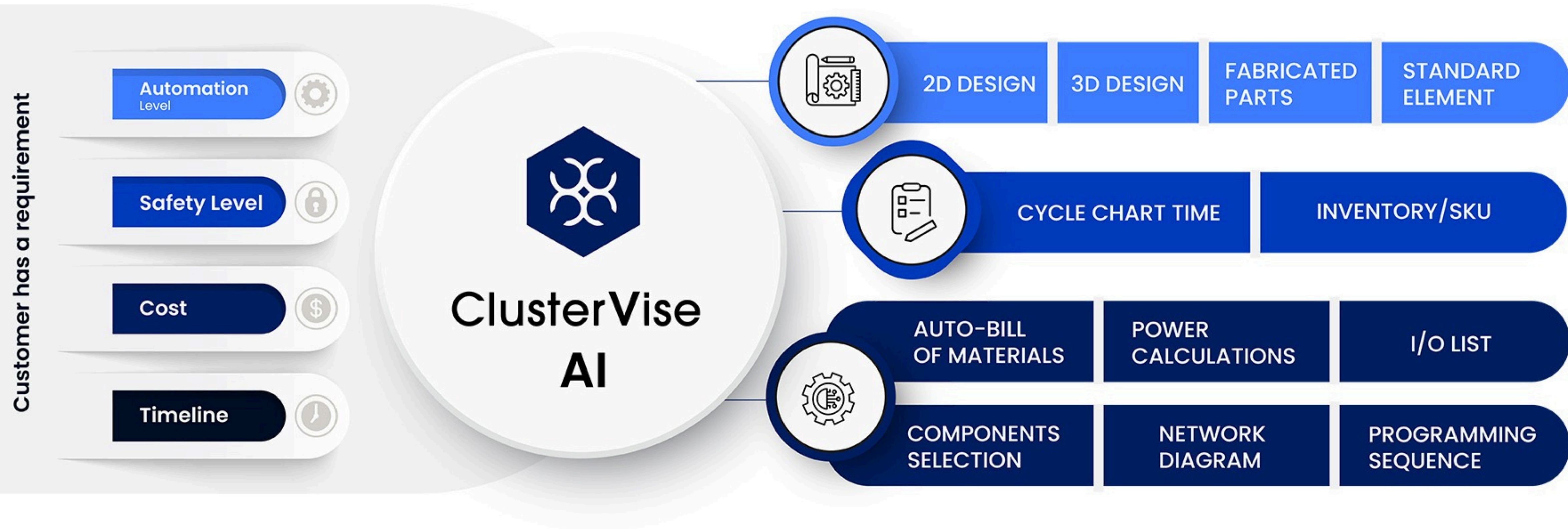
40%
of a designer's work hours are consumed by repetitive manual tasks and extensive research.

30%
increase in project expenses can be attributed to the lack of intelligent, data-driven instruments.




Solution

Clustervise uses AI to let designers upload RFQs or input machine specs and instantly extract complete design documents, simplifying industrial automation machine design.



Impact On Project Timeline

Let's consider a project with a 16 week timeline for automated packaging using PLC based control system. This will manage the operation of a conveyor belt, sorting mechanism, and packaging unit. Design timeline breakdown is as below:

| STAGE | TOTAL COST (USD) | |
|---|---------------------|------------------|
| | Without ClusterVise | With ClusterVise |
|  Overall Design Timeline | 8 WEEKS | 3 WEEKS |
| SALES CYCLE | | |
| Initial Contact and Requirement Gathering | 4800 | 4800 |
| Proposal Development and Presentation | 7800 | 1300 |
| Negotiation and Contract Finalization | 9600 | 9600 |
| SYSTEM DESIGN AND PLANNING | | |
| Requirement Analysis | 6000 | 1800 |
| System Design | 12000 | 3600 |
| Mechanical Design | 3600 | 1440 |
| Component Selection | 3600 | 1440 |
| Planning | 2400 | 480 |
| TRAINING AND DOCUMENTATION | | |
| Operator Training | 4800 | 2400 |
| Documentation | 4800 | 180 |
| Total | \$ 59,400 | \$ 27,040 |

“

**Achieve
project
completion in
3 weeks,
saving 60-70%
design time.**



Features

Auto BOM

Automatically generate Bill of Materials (BOM) for projects, saving time and effort



AI Component Selection

Easily browse and select components with AI-driven recommendations



Marketplace

Discover a wide range of industrial components to enhance projects, fostering development and innovation



Inventory Management

Real-time visibility into inventory availability, pricing, and lead times



Approvals & Revisions

Efficient approval workflows and version control for design revisions














Design Template

Access a library of design templates tailored for industrial automation projects

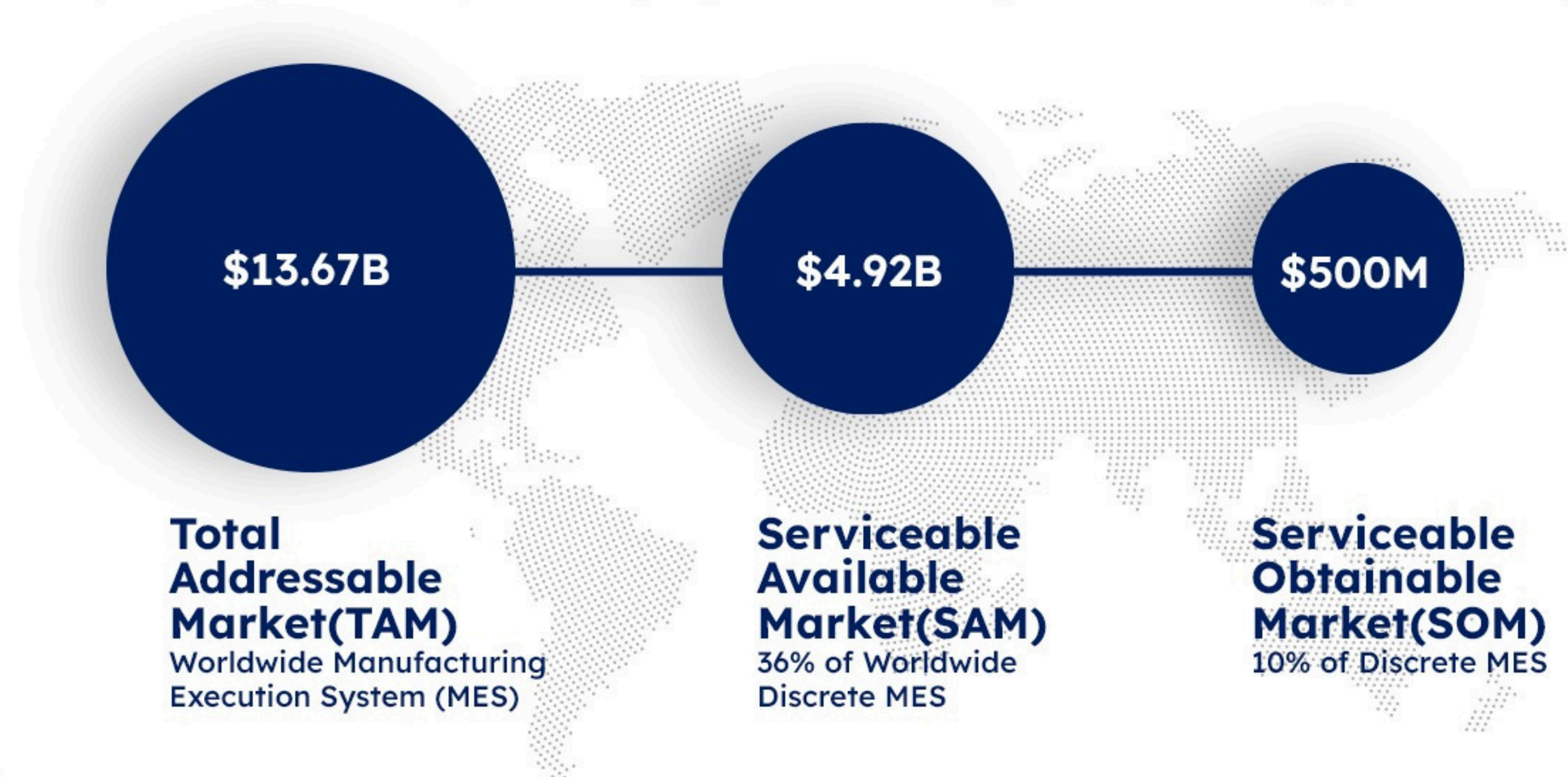


Value proposition

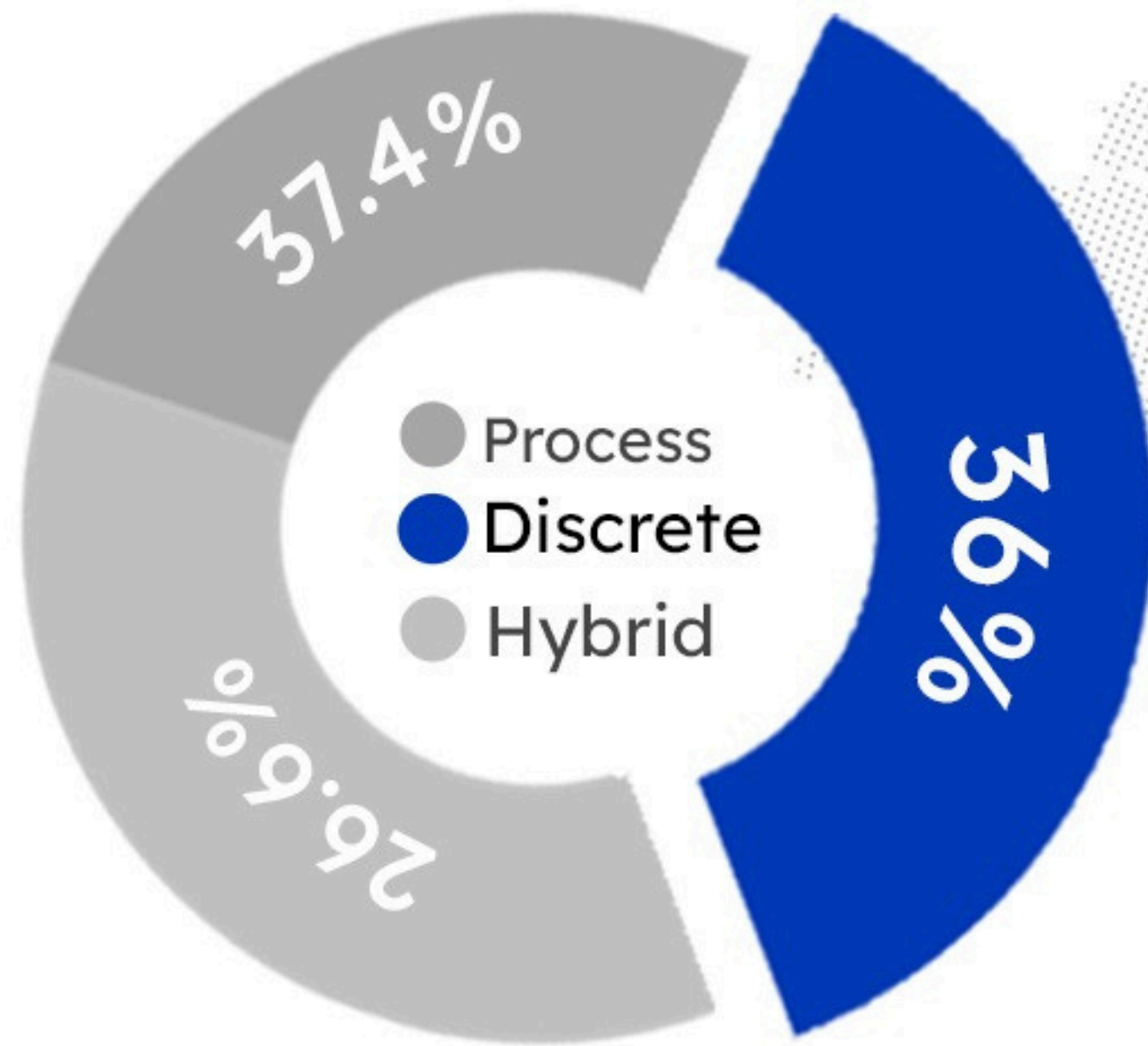
| VALUE | CLUSTERWISE | CURRENT |
|--|---|---|
|  Design simplification |  <p>Upload technical requirements for an auto-populated BOM</p>  <p>AI prompts meet industry-calibrated guides for optimal components</p> |  <p>Manual selection and logging of components</p>  <p>Extensive research, stakeholder engagement & non-standard guides fuel inaccuracies</p> |
|  Data driven procurement decision |  <p>Unlocking cost-efficient component suggestions from inventory</p> |  <p>Manual inventory logging and negotiations via calls and emails</p> |
|  Centralized hub of components & suppliers |  <p>Marketplace for component truth, supplier connections, and optimal pricing</p> |  <p>Endless datasheets, supplier calls, and cold emails - a nightmare of manual sourcing</p> |

Market size

ClusterVise targets the thriving **Discrete** segment within the MES market, capitalizing on its impressive projected annual growth rate of approximately **10%**.



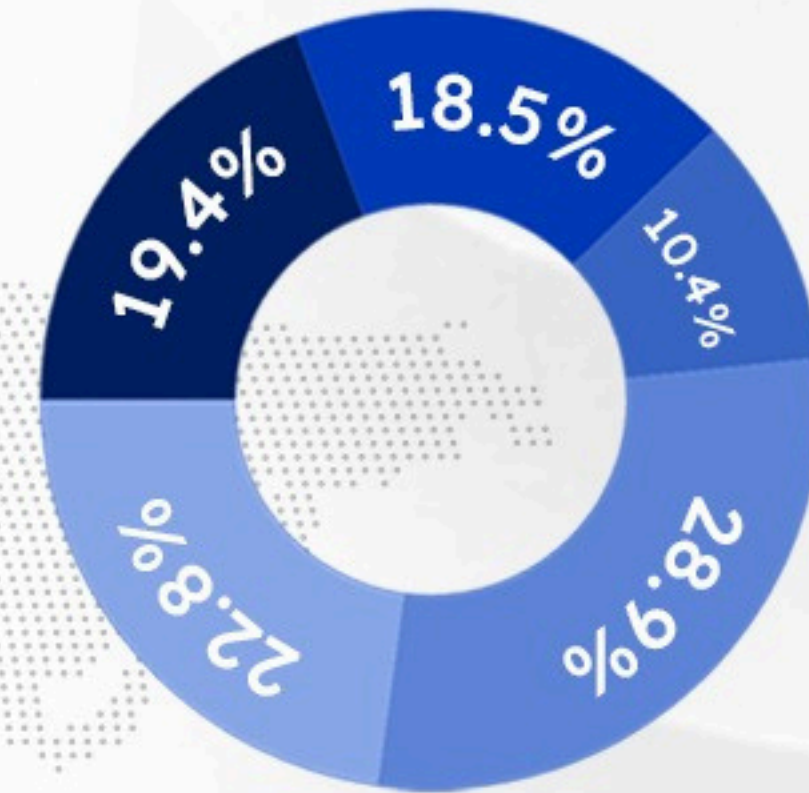
Target users



MES Segment Classification

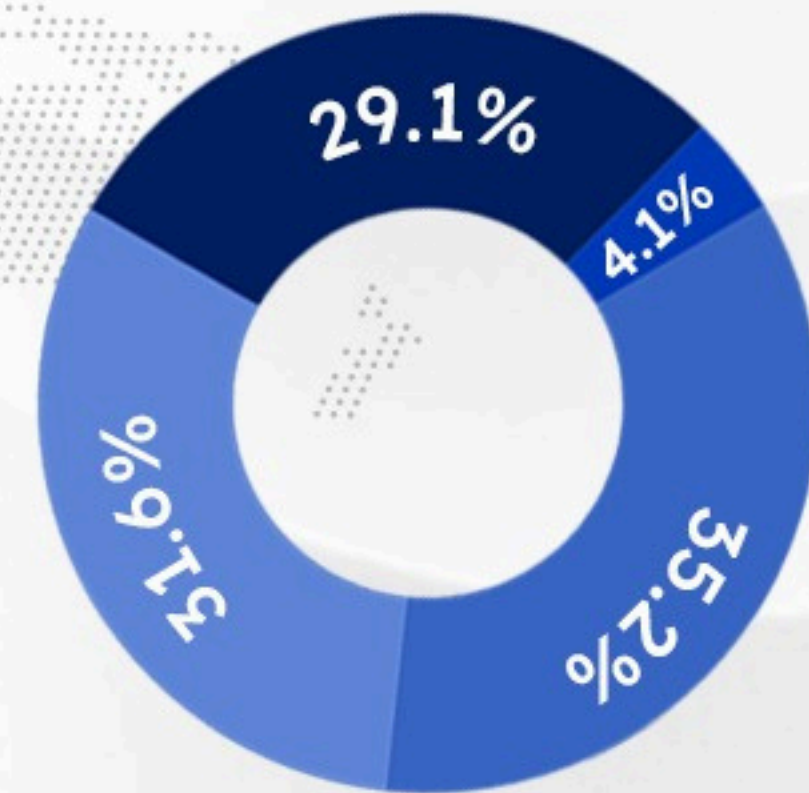
Discrete Segment Classification

- Aerospace & Defence
- Solar
- Medical Devices
- Electronics
- Automotive



Geographical Distribution

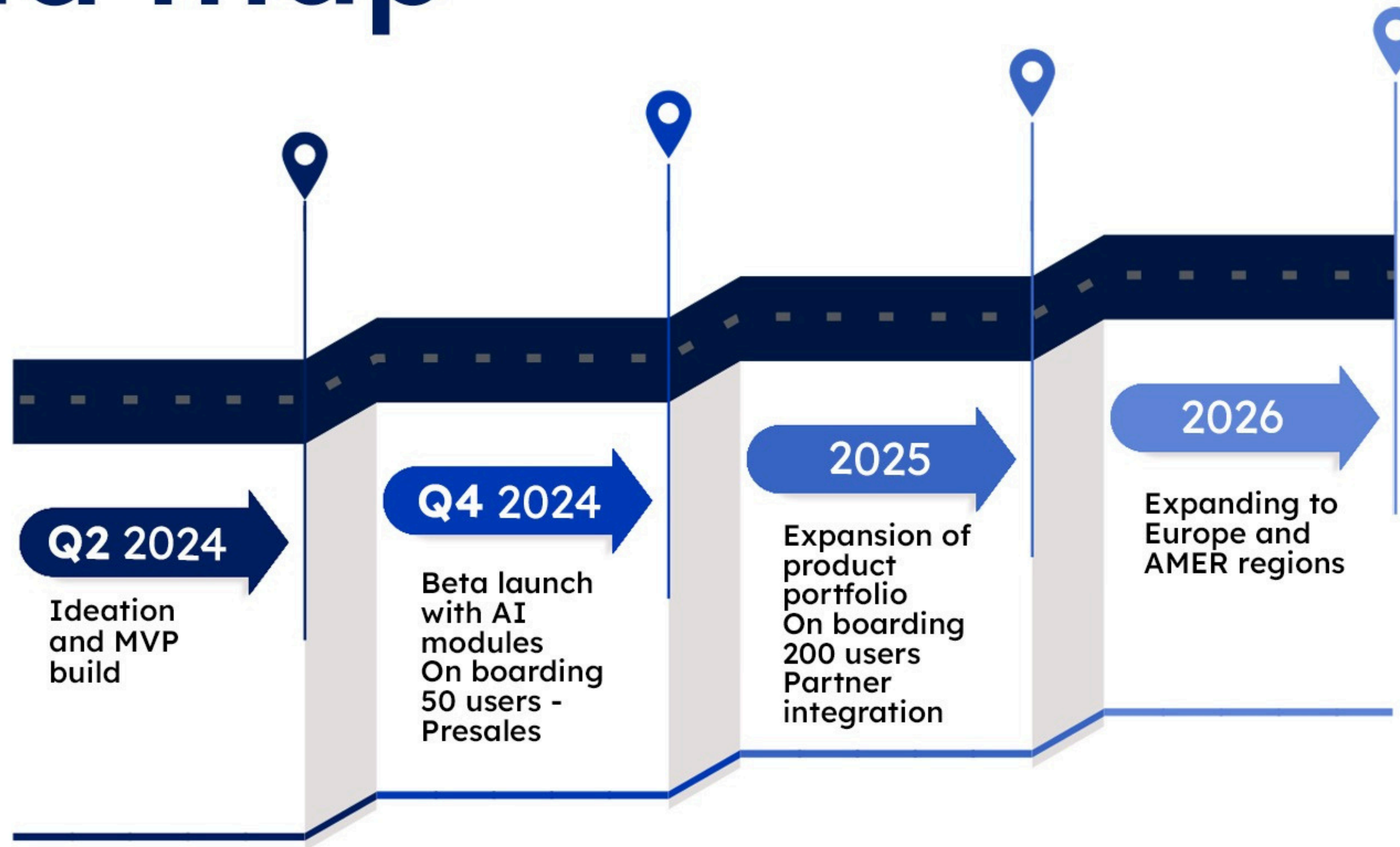
- APAC
- MEA
- AMER
- Europe



Competitors landscape

| Features | ClusterVise | Autodesk Fusion Manage | Arena Solutions | Onshape | OpenBOM |
|---|-------------|------------------------|-----------------|---------|---------|
| Component selection & Calculation | ✓ | | | | |
| BOM Management | ✓ | ✓ | ✓ | ✓ | ✓ |
| Design Templates | ✓ | | | ✓ | |
| Supplier selection guided by data analytics | ✓ | ✓ | ✓ | | |
| Part database management | ✓ | ✓ | | | ✓ |
| Real time project management | ✓ | ✓ | ✓ | ✓ | ✓ |
| Cloud / SaaS Multi-Tenant platform | ✓ | ✓ | | ✓ | ✓ |
| Product Cost Estimation | ✓ | | | | |
| Community Forums | ✓ | | | ✓ | ✓ |
| Version Control | ✓ | ✓ | ✓ | ✓ | ✓ |

Road map



Business model

Pricing Tier Per User

Basic

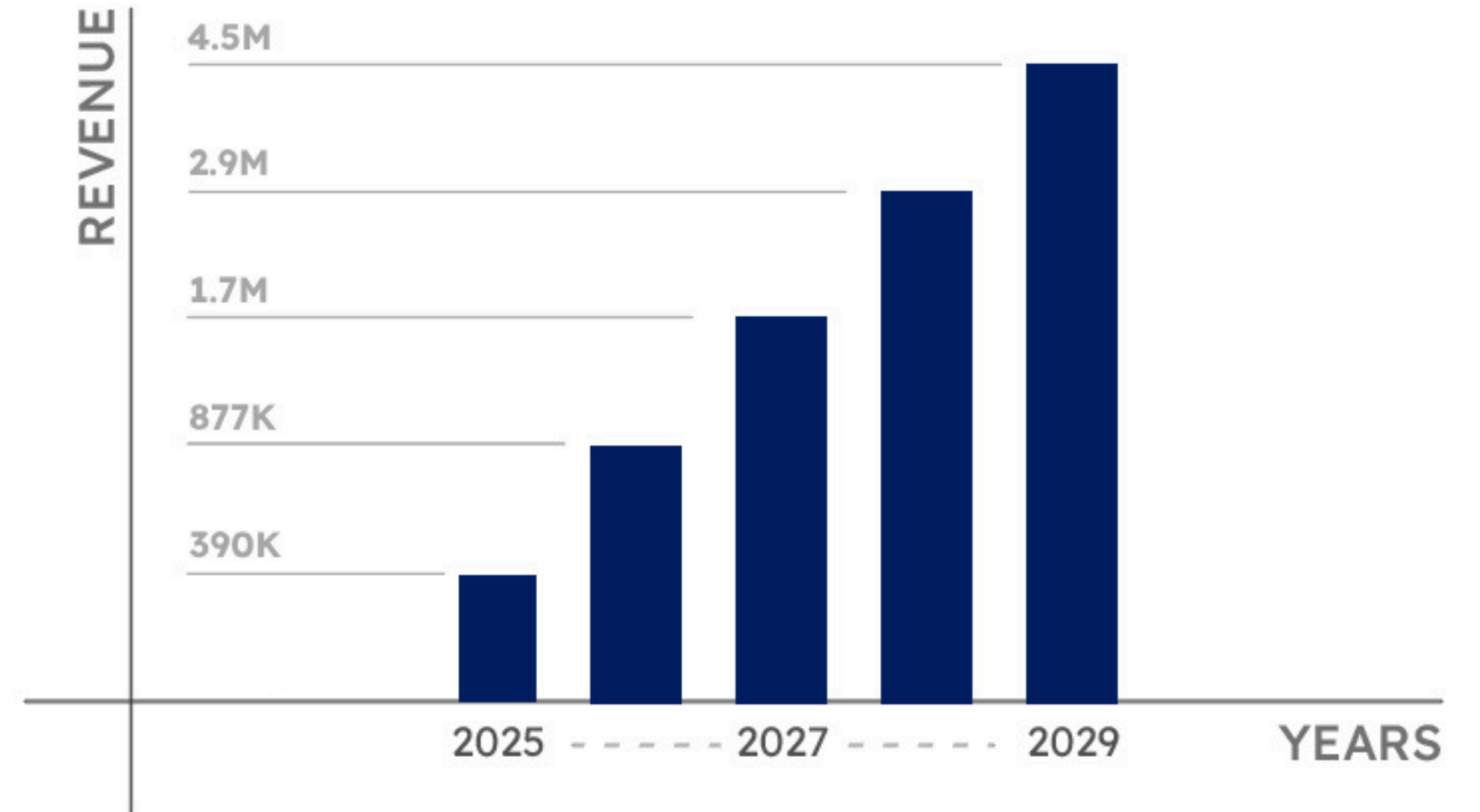
\$75/mo

Pro

\$100/mo

Enterprise

\$150/mo



Projection

Based on the pricing tiers and the projected customer numbers, the **projected revenue figure at the end of Year 5 would be approximately \$4.5 Million.**

Team



Deepak Kumar Murugan

Founder & CEO

MS in Electronics and ICT,
KU Leuven, Belgium

9+ Years of experience in Industrial Automation, Blockchain & Data analytics. Recipient of National Best Engineering Student Award (2012).

One of the founding members and head of operations at bitsCrunch GmbH Leading Design teams at Titan, VisionGeek, Labcorp and Byteflies.



Karthik Subramanian

Finance & Operations Lead

MBA Finance, Tapmi,
India

4 years of experience specializing in Valuation and Investment Research working in Shell and Tresvista analytics.

4+ Years of experience in Information Technology and Management Consulting working in Cognizant and Infosys.

Ask

We're raising between \$350K-\$650K to develop our AI component selection product and kick off our pre-sales cycle.

Release public version and major features from product roadmap

30%

Product development

SEO, webinars, paid ads, offline events, major partnerships

30%

Marketing & sales

40%

Personnel

Salaries and new hires



ClusterVise

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