

Empower your future with Autonomous AI



From start to finish, we build and deliver deployment-ready Autonomous AI
so our customers can achieve autonomy faster and safer in the real world



7 Years of Innovation

Within 7 years of its founding, Vueron has secured 3 autonomous driving licenses, expanded into 3 continents, and launched 3 core solutions

Furthermore, having raised over \$30M in investment, Vueron continues to prove its technological excellence and growth potential in the global market



Company Name

Vueron Technology

Founded

October 2019

CEO

Joseph Kim

Employees

70 (Over 75% R&D)

Total Funding

\$32M+

Tech Rating

GS1, TI-2 (Excellent)



CES® 2024, 2026 Innovation Award Honoree · Selected for 'Open Bosch Korea 2026'

Homepage



Discover
Our History

Vueron's Journey toward a Safer World

2019.10

Vueron Technology
Foundation

2020.07

Release Vueron Copilot
Automotive solution

2021.02

Worlds 1st company
obtaining AV permit
with 1 LiDAR in Korea

2022.01

Pre A Funding U10m
KDB, Bon Angels and
more

2022.07

Established German
subsidiary Munich

2024.01

CES 2024
Innovation awards

2025.03

X Factory LiDAR AI Model
Platform Launched

2020.05

Seed Funding Naver,
Bon Angels

2020.11

Release Vueron Lookout
Smart infra solution

2021.08

Established U.S.
subsidiary California

2022.06

Obtained AV permit
with only LiDAR in US
CA / NV

2023.09

WSCE2023
Safety Solution awards

2024.09

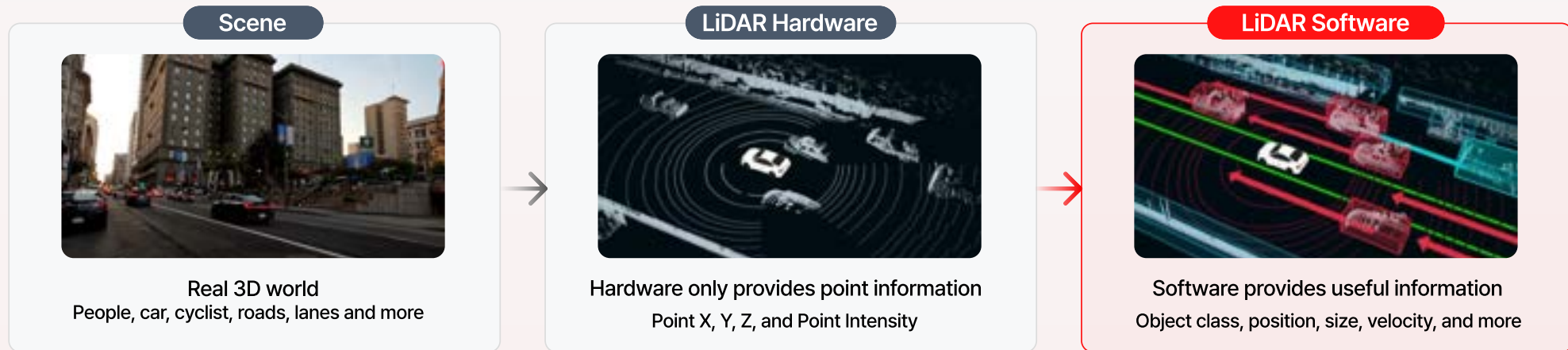
Series A Funding U20m
(Shinhanvc, KDB and more)

2026.01

CES 2026
Innovation awards

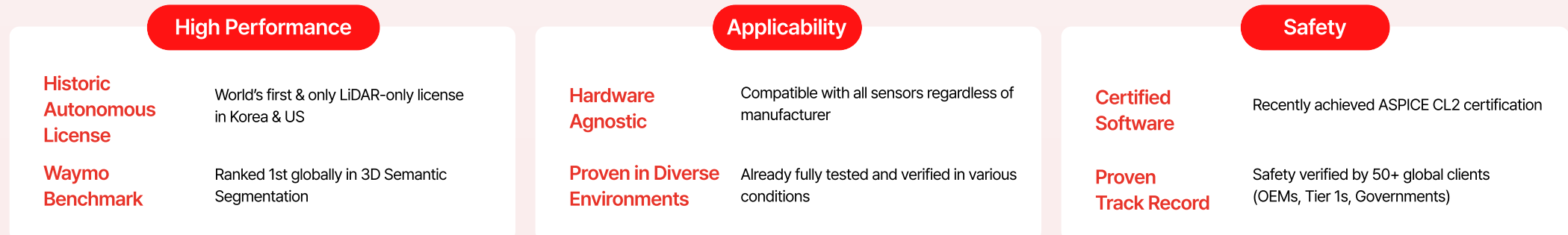
Vueron's **LiDAR** Perception Software

Leveraging the precise 3D spatial data from LiDAR sensors, perception software delivers valuable insights such as object classification, location, and size. It applies widely to autonomous driving, robotics, and smart cities



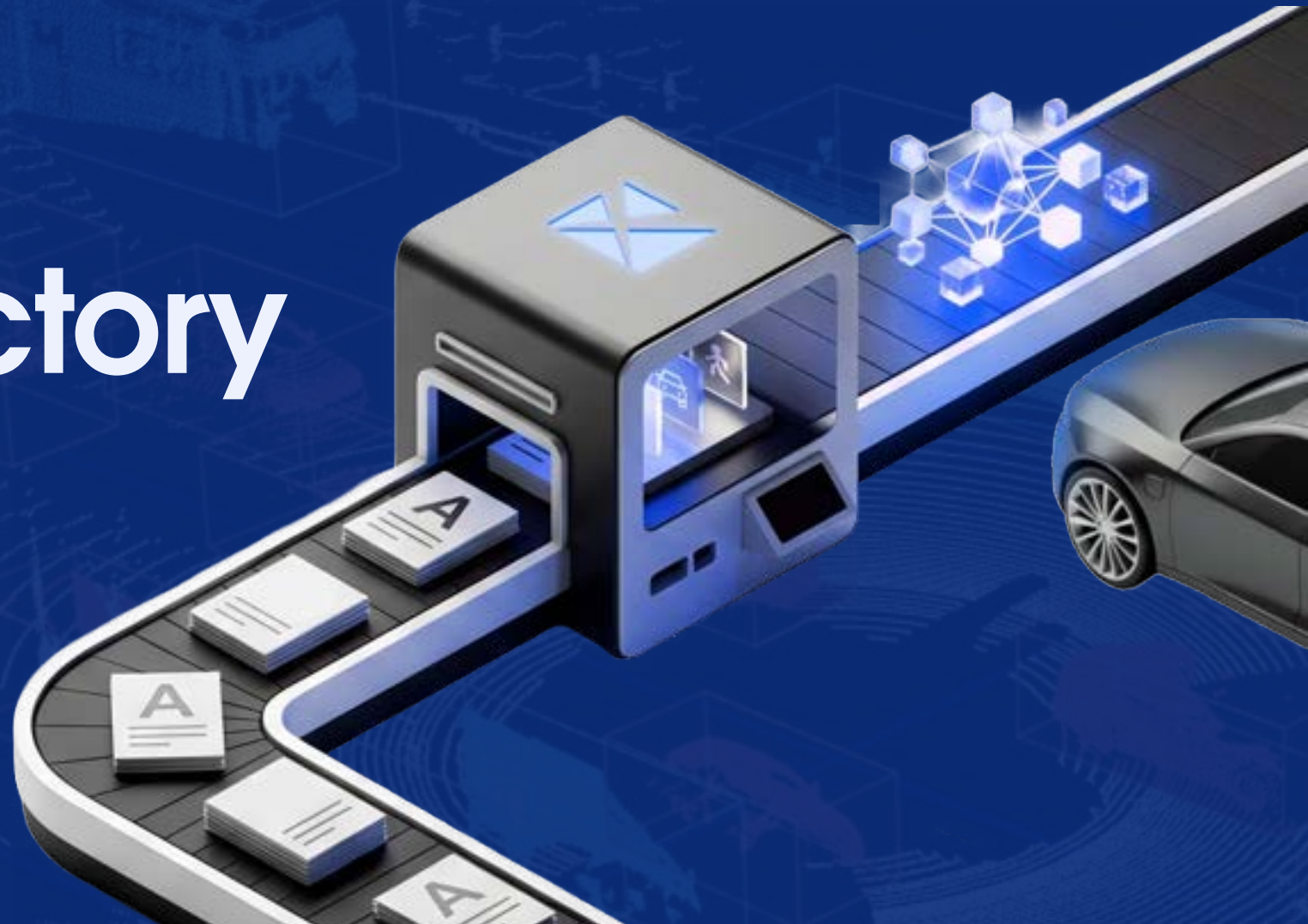
Proven Solutions

Trusted by 50+ clients for high performance and strict quality standards, we have enhanced technical stability and reliability through software certification



Face Data Challenges with X Factory Build High-Quality AI Training Assets

X Factory AI engine transforms LiDAR 3D point clouds into high-quality data assets,
ready-to-use data assets for immediate model training and validation



The Real Bottleneck in AI Development Is Not the Model—It Is the Data

From autonomous driving to physical AI, success depends on securing high-quality datasets
However, producing reliable data at scale requires significant time, cost, and human resources



Cost

More Budget Goes to Annotation

Annotation costs often exceed model development costs



Time

Manual Annotation Delays Time to Market

When team is tied up with manual annotation, competitors are already launching products



Management

Resource Loss from Manual Outsourcing

Vendor, security, and quality management wastes time, cost, and manpower



Review

Rework from Inconsistent Data Quality

Quality variations lead to repeated reviews, corrections, and costly rework

Transform LiDAR Data into AI Training Datasets with World-Class Perception AI

Beyond simple annotation, our perception AI accurately understands complex real-world driving environments—delivering high-quality training data for advanced AI development

Website



About Vueron Technology



World Benchmark Reference

Ranked No. 1 in the Waymo 3D Semantic Segmentation Challenge. Precise AI annotation unlocks the full potential of your AI model



100+ Global Project References

Delivered over 100 projects worldwide with leading OEMs, Tier 1 suppliers, LiDAR manufacturers, and data annotation companies



Full Ownership, Zero Exposure

All data and AI models remain exclusively customer-owned. Customer data is never shared or used for any other purpose

ASPICE CL2 Certificate



CES Award 2024, 2026



World First LiDAR-only AD Permit(KR/US)



Product Map : A Lean Pipeline for Your Application

The map shows where and how the X Factory engine can cover your infrastructure

Deployment		Customer Pipeline			
		Data Collection	Auto-Annotation	Review and Analyze	Data Use
Cloud	Cloud/Web	-	 Complete high-quality data with lower resource and cost burden		Supported upon request
	API	-	 Call only when annotation is needed	-	-
On-premise	Prospector	 Vehicle-mounted engine handles acquisition and real-time annotation together		-	-
	Refiner	-	 Process and validate acquired data without external transfer		Supported upon request

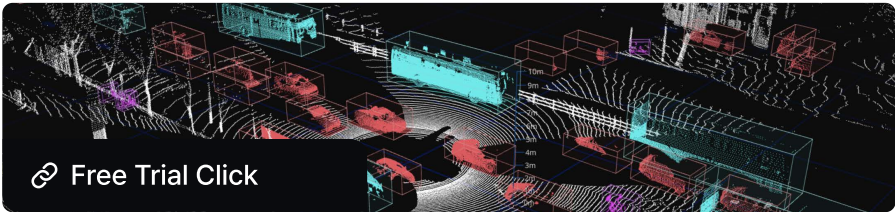
Cloud: Pay Only for What You Need



Request a Quote for Paid Plans

Free Trial Plan

Tier	Credit
Free Trial	2,000 frames
Users	Storage
3 users (1 admin· 2 labeler)	50GB
Usage Period	Workspace Retention Period
3 Month	3 months after activation, including 3 months in View-Only mode
Upload file size	
UP to 50MB	
Object Class(basic)	AI model traing & deployment
Car, LargeVehicle, Pedestrian, Cyclist	Not available



Feature Support by Tier

Customers	Data upload	AI annotation	AI training	AI deployment
Free Trial Free 2,000 frame credit	✓	✓	—	—
AI Annotation Ai annotation fuction	✓	✓	—	—
AI Modeling AI training and deploy function	✓	✓	✓	✓

Paid Package Information

- Included in All Packages**
- Basic Class (Car / Large Vehicle / Pedestrian / Cyclist) + Unknown Class
 - Custom model fine-tuning support
 - Member role and access management
 - Data retained in View-Only mode for 6 months after expiration
 - 500GB of storage capacity

AI Annotation

Free Trial / AI Annotation Packages / Enterprise

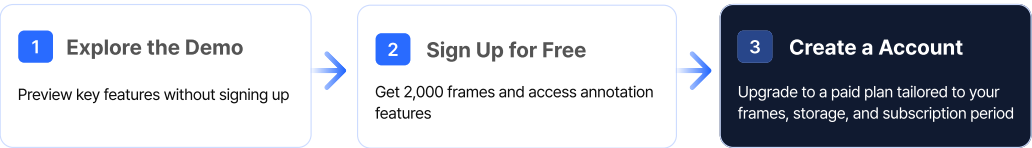
Item	Free	AI Annotation			Contact
	Free Trial Feature evaluation	Small POC & Validation	Medium Full-scale projects	Large Large-scale projects	Enterprise High-volume projects
Price	Free	\$9,600	\$21,000	\$36,000	Contact us
Usage Period	3 month	6 month	6 month	6 month	TBD
Frame Credit	2,000	20,000	50,000	100,000	High Volume
Users	3	10	10	10	TBD
AI Training & Deployments	N/A	Avaialble upon Consultation	Avaialble upon Consultation	Avaialble upon Consultation	Avaialble upon Consultation
Data Retention (View Only)	3 month	6 month	6 month	6 month	TBD

AI Modeling Optional package for AI training & deployment

- Available as an add-on exclusively to AI Annotation customers
- AI Modeling is provided under a separate agreement tailored to each project
- Contact us for a quote tailored to your planned subscription period

6 month package \$25,000	12 month package \$40,000
-----------------------------	------------------------------

Use a Free Trial Demo Before Upgrading to a Paid Plan



Add the Powerful 3D LiDAR Annotation AI Engine to Your Existing System via API

Integrate the X Factory annotation engine through API calls without changing your existing development workflow

API Integration



Receive an authentication key through your Cloud account and access the annotation engine via API

1

Create a Cloud Account

Sign Up for a Cloud Account

2

Get an API Key

Generate an authentication key to enable API access

3

Call the Engine

Send annotation requests from your existing system via API

4

Receive Results

Receive the annotated results

Cloud vs. API: Choose the Right Option for Your Business

Cloud Web workspace For teams requiring collaboration & management tools

A platform includes web-based annotation, collaboration, and management tools

Choose a package based on frames, members, and subscription period

Pre-paid Frame Volume × Price per frames

→ Frame credits are allocated to your account and deducted as used

Packages

Small (20,000 frames)

\$9,600

Medium (50,000 frames)

\$21,000

Large (100,000 frames)

\$36,000

Enterprise Request a Quote

VS

API AI Engine Integration For Teams with existing pipeline

Integrate the AI engine into your system without changing your existing pipeline

Pricing based on frame volume and model-tuning requirements

Pre-paid Frame Volume × Price per frame

→ APIs are allocated to your account and deducted as used

Package (without fine-tuning)

Small (20,000 frames)

\$5,600

Medium (50,000 frames)

\$12,500

Large (100,000 frames)

\$21,000

Enterprise Request a Quote

For teams with pipelines, API integration is the choice



Integrate the AI Annotation Engine via API

Per frame API

LiDAR Data

Pipeline Integration

Create High-Quality Datasets for Autonomous Driving While Driving with **Prospector**

Prospector integrates the annotation engine with vehicles, equipment, and sensors for simultaneous real-time data acquisition and annotation

Key Points



No Compromise Between Speed and Quality

Prospector captures and annotates data while driving, delivering reliable, ready-to-use results



Support from Data Acquisition

Prospector supports the entire process from data acquisition onward, reducing the resources required for data review and processing



Compatible with All Sensor Configurations

Prospector supports all types of LiDAR sensors, eliminating concerns about sensor changes or compatibility



Deployment Scenarios Tailored to Each Configuration



Acquire and Annotate Data Simultaneously with Existing Vehicles



We integrate sensors, hardware, and software into existing vehicles



Customer-Owned Vehicles



Sensor, hardware installation



HW and SW integration



Support full Integration of Prospector



Produce Data While Driving

High-Quality Datasets

Minimal Review

Vehicle & LiDAR Compatibility

Build a Data Processing Workflow Tailored to Your Business with Refiner, Securely Within Your Closed Network

Securely deployed on your own servers, Refiner provides an unlimited frame usage for data annotation and validation

Key points



Secure Processing Without Data leakage

Data is processed entirely within your network using a dedicated on-premise engine, ensuring secure operation even in closed-network environments



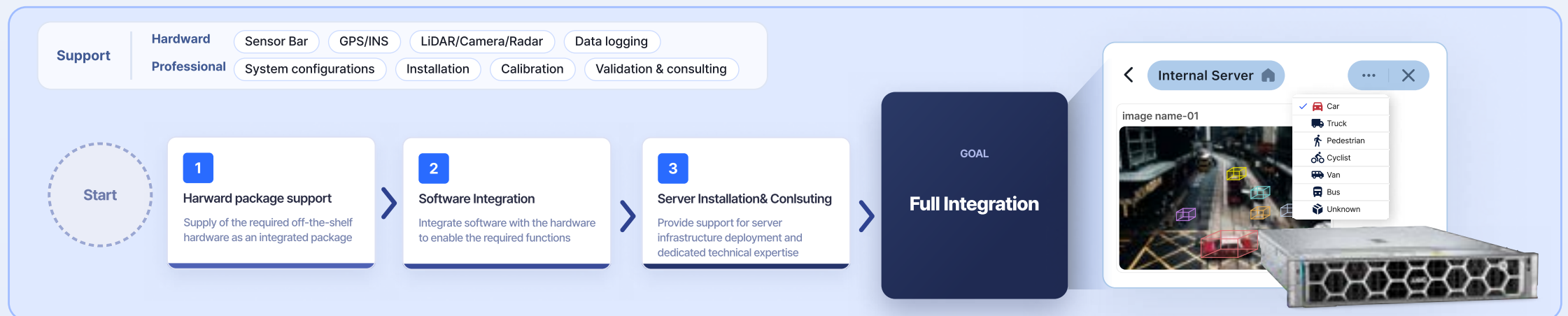
Unlimited Data Processing with a One-Time Deployment

Refiner is not based on per-frame billing. Once deployed, it supports unlimited data processing, enabling predictable budgeting

Cost Analysis



Deployment Scenario



Secure Pipeline without Leakage

Predictable Budget

Tailored Deployment

Unlimited AI annotation

Decision-Making Snapshot

Whether your key challenge is efficiency, security, cost, or quality,
X Factory provides a clear path to approval with the optimal balance of cost and performance

Four Strategies to Improve Quality and Reduce Cost



Reduce Your Budget

Automate inefficient manual workflows
and pay only for the capacity you need



Accelerate Time to Market

Eliminate resource-intensive data
processing and bring products to
market faster



Improve Perception Performance

Maximize AI model performance with
high-quality data



Build Your Business Opportunity

Accelerate development and lead the
physical AI market

The Impact on Your Data Preparation Process

Manual Process
Months of Work
\$0.1 million+ in Costs

After Adopting X Factory
**50–80% reduction in
time & costs**

Contact us



Customized quotation