2ndSightAI

Founding Team Recruitment Brief - Korea

An invitation to build a U.S.-focused industrial AI startup from the founding stage - with a strong Korea engineering base and a target application to Y Combinator Winter 2027.

We are recruiting co-builders and potential co-founders - not simply hiring for predefined jobs.

1. The Opportunity

2ndSightAI is being formed around a simple idea: industrial machines already generate rich motion data, but most of that data is used only for control and then disappears. Position, velocity, current/torque, friction behavior, and repeated motion patterns contain information about how a machine is actually behaving mechanically.

Our goal is to create an independent intelligence layer that can learn that behavior, detect meaningful changes, compare machines and production lines, and eventually help predict developing problems before they become failures.

This is not intended to be another servo controller company. 2ndSightAI is intended to work broadly with third-party servo systems through available service and configuration interfaces, so the analytics can become a platform across manufacturers and industries.

2. We Are Not Starting From Zero

Unlike a typical early startup that begins with only a concept, 2ndSightAI begins with an existing patented motion-analytics foundation and a defined edge-to-cloud product direction. The startup is intended to build upon the existing 2ndSight analytics technology and associated 2ndSight IP under the final company transfer/licensing structure.

That gives the founding team a useful balance: there is enough technology to move quickly, but the company, product, customer focus, AI architecture, commercialization model, and culture are still early enough for new founders to shape.

3. Technology Direction

The initial 2ndSightAI platform is organized around an edge gateway plus cloud analytics. The Q-Connect edge gateway is intended to acquire time-correlated motion information from supported servo drives through service/configuration ports without interfering with the machine control network.

Capability	Purpose
3D PVC Motion Modeling	Build multidimensional models from position, velocity, and current/torque data to learn normal operating behavior and measure deviation.
Friction & Mechanical Parameter Analytics	Estimate friction-related behavior and other mechanical parameters to identify changes that may reflect wear, lubrication, load, or mechanical condition.
Physics-Informed Clustering & Pattern Recognition	A major development priority: group and compare cycles, axes, machines, work cells, and lines using physical motion behavior - not only abstract statistical similarity.
Q-Connect Edge Gateway	A generic edge device supporting service interfaces such as USB, serial, and Ethernet for third-party servo integration.
2ndSightAI Cloud	AWS-based device management, data collection, visualization, health analytics, fleet comparison, and future machine-learning services.

4. Why Korea Is Strategically Important

We are intentionally looking for potential founding members in Korea. The reason is not lower-cost outsourcing. We are looking for founder-quality people in an ecosystem that is deeply connected to the industries 2ndSightAI wants to serve: semiconductors, industrial electronics, robotics, factory automation, manufacturing equipment, motors, drives, sensors, and embedded systems.

A Korea-U.S. structure can also create a valuable bridge. Korea can provide strong technical talent, rapid hardware/software execution, and access to industrial relationships in Asia, while the U.S. side can focus on YC, Silicon Valley fundraising, U.S. customer development, strategic partnerships, and global company building.

The goal is one founding team across two ecosystems - not a U.S. company with an outsourced Korea engineering group.

5. The Founding Profiles We Are Seeking

We do not expect one person to cover everything. We want a small complementary team whose members are willing to own major parts of the company.

AI / Machine Learning Co-Founder

Clustering, anomaly detection, time-series or multivariate learning, physics-informed ML, model validation, industrial data. Must be interested in creating defensible algorithms rather than only applying generic AI APIs.

Cloud / Full-Stack Co-Founder

AWS, data pipelines, device management, databases, visualization, APIs, SaaS architecture, security, and product UX. Able to move from prototype to customer-facing product quickly.

Robotics / Automation / Edge Co-Founder

Servo systems, industrial communications, embedded Linux/SBCs, industrial networks, machine integration, motor/drive data, test systems, and field deployment.

Business / CEO-Type Co-Founder

Customer discovery, sales, fundraising, recruiting, partnerships, storytelling, and strong English communication. Technical understanding is valuable, but the essential quality is ownership and the ability to build the company around the technology.

6. What We Mean by Founder-Minded

This opportunity is not aimed at someone whose first questions are job title, fixed work scope, and a stable corporate career path. Those are reasonable priorities, but they are different from what we need at this stage.

We are looking for people who are energized by uncertainty and ownership - people who want to decide what to build, talk to customers, change direction when evidence demands it, recruit others, solve problems outside their formal specialty, and accept that early startup compensation and risk are different from an established company.

- Wants meaningful ownership and responsibility, not just an assignment.
- Can build quickly with incomplete information and iterate from real feedback.
- Is comfortable communicating directly with U.S. customers, advisors, investors, and YC.
- Can work across Korea and U.S. time zones when necessary.
- Is willing to spend the YC batch in San Francisco if the company is accepted.
- Values technical depth but understands that customer validation and company building matter equally.

7. Why This Can Be a Rare Career Opportunity

For a strong engineer or young entrepreneur in Korea, joining 2ndSightAI at this moment offers something different from joining Samsung, Hyundai, a robotics company, a research lab, or a mature software startup. Those paths can provide stability and specialization. This path provides the opportunity to help create the company itself.

A founding member can have direct influence over product architecture, algorithms, target market, company culture, hiring, ownership, customer strategy, and fundraising. If the company succeeds, that experience and ownership can be fundamentally different from being employee number 500 - or even employee number 50 - at an established company.

8. Y Combinator: The Near-Term Catalyst

Our immediate target is Y Combinator Winter 2027. As of September 2026, YC states that the on-time application deadline is November 2, 2026 at 8:00 PM Pacific Time, with decisions for on-time applicants by December 11. The Winter 2027 batch runs January through March in San Francisco.

YC currently invests $500,000 in each accepted company under its standard deal: $125,000 for 7% plus $375,000 on an uncapped MFN SAFE. The value of YC is broader than the capital - it creates an intense environment for product-market fit, customer conversations, founder development, recruiting, fundraising, and access to the YC network.

Timing	Milestone	Founding Team Focus
Sep 2026	**Recruit core team**	Founder fit, role ownership, technical review, customer hypotheses
Sep-Oct	**Build + validate**	MVP integration, clustering plan, customer interviews, YC narrative
Nov 2	**YC application**	Submit a coherent team, product, demo, market and

		founder story
By Dec 11	**YC decision**	If interviewed/accepted, prepare full-time batch execution
Jan-Mar 2027	**YC Winter batch**	San Francisco: build, launch, get customers, measure weekly progress
End of batch	**Demo Day / fundraising**	Present traction to investors; pursue the next financing appropriate to progress
Post-YC	**Scale**	Pilot deployments, repeatable sales, product expansion; a Series A would come later if traction supports it

9. What We Need to Accomplish Before the YC Deadline

- Assemble a credible core founding team with complementary technical and business ownership.
- Demonstrate a clear 2ndSightAI product story: edge data acquisition, analytics, cloud, and an ML/clustering roadmap.
- Select one or two high-value initial use cases instead of pitching every possible industrial market.
- Secure customer discovery conversations and, where possible, pilot interest or letters of intent.
- Create a working demo that shows real motion data becoming useful machine-health or comparative intelligence.
- Explain clearly why 2ndSightAI can become a large independent platform rather than a feature of one servo vendor.

10. Suggested Korea-U.S. Working Model

Before YC selection, the team can work primarily from Korea and the U.S. with frequent online coordination and focused in-person work when useful. If accepted, the core founders should plan to participate together in the San Francisco batch. After YC, the exact operating structure can be decided based on customers, financing, product development needs, immigration/work eligibility, and the strengths of the final team.

We should not lock the company into a rigid geographic structure before we know what the business needs. The principle is simple: engineering can be globally distributed, but the founders must operate as one team with shared ownership, speed, and accountability.

11. What a Serious Candidate Should Ask

- Do I believe industrial motion data can become a valuable AI/data platform?
- Do I want to build a company, or would I rather join an established one?
- Can I commit meaningful time and personal ownership before the outcome is certain?
- Can I work in English with customers and investors while still leveraging Korea as a technical and industrial advantage?
- Do I want to spend the next several years solving a difficult industrial problem if early evidence is strong?
- What major part of 2ndSightAI could I personally own and make dramatically better?

12. Invitation

We are interested in speaking with a small number of exceptional, entrepreneurial candidates in Korea who are excited by the combination of AI, robotics, automation, machine data, and Silicon Valley company building.

You do not need to match every item in this document. We care more about technical or business depth, speed of learning, integrity, founder mindset, and the desire to take ownership.

We are not recruiting people to execute someone else's startup. We are recruiting people who may want to build 2ndSightAI as their startup.

If interested, please share a short background, the part of the company you would want to own, and why this is the right time for you to become a founder.

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