

BUSINESS & MARKET DUE-DILIGENCE

The Sole-Source *Choke Point*

How one SiC-ceramic armor house rode Korea's K2 export super-cycle to triple revenue and quadruple margin — and the concentration beneath the moat.

KOSDAQ 484590 · Samyang Comtech Co., Ltd.

FY2025 revenue	Operating margin	Sole-source K2 armor	One Poland contract
₩154.6bn	17.2%	since 2009	61% of rev.

Prepared for a consulting firm supporting M&A / investment due-diligence on Samyang Comtech and the ballistic-ceramic armor sector. This is a business-analysis and market-research brief, not an equity-research note: it carries no price target and treats KRX price/short-interest data only as a contextual demand-and-sentiment overlay.

Evidence base · DART annual report 2025.12 (rcept 20260326001251) + structured parent-only financials, Q1-2026 quarterly report (20260515000911), restated FY2021-23 audits, KRX 10-month post-listing panel, and named third-party market research (Grand View, GMI, Cognitive MR, MarketsandMarkets, SIPRI). Figures cited inline to source. · Seoul · 2026-06-16

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EIGHT SECTIONS · 25 PAGES

The monograph is built around a single analytical spine — the **sole-source choke point**: a qualification-gated, vertically integrated ceramic-armor franchise that is the exclusive K2-tank special-armor supplier, multiplied across the Poland-led K-defense export super-cycle. Every section — five-year history, products and moat, served market, competition, and the strategic signal — is read through that lens and the concentration it implies.

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HOW TO READ THIS DOCUMENT

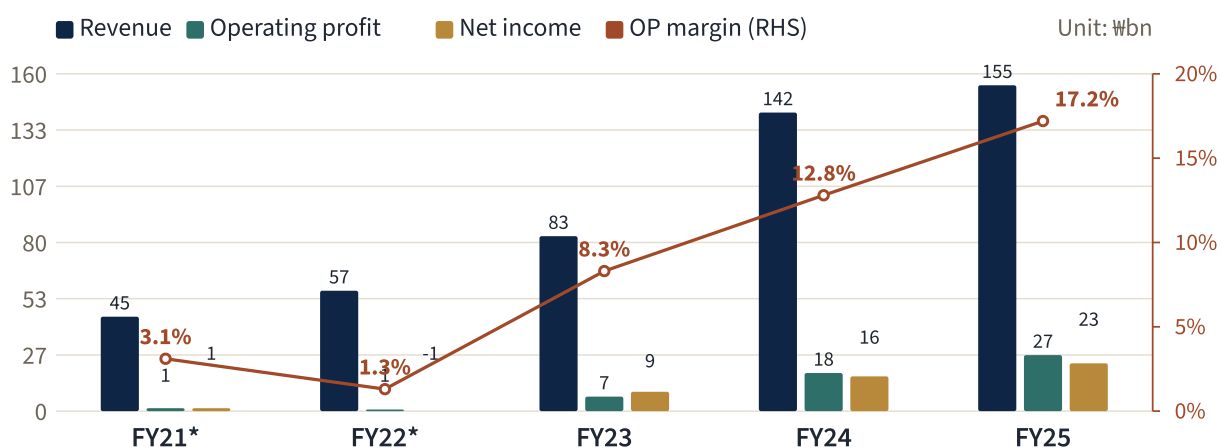
The number that matters most is not the tripling of revenue — it is that the tripling came with operating margin rising from **1.3% to 17.2%** on a single sole-source position. A second-derivative parts supplier does not normally do that. The thesis of this report is that Samyang Comtech is a **genuinely moated, qualification-gated armor asset attached to one platform, one prime, and one export wave it does not control** — and that the diligence question is the durability of that wave and the concentration beneath the moat, not whether the moat is real.

Executive Summary

THE THESIS

Samyang Comtech (KOSDAQ 484590) is Korea's only fully vertically integrated ballistic-ceramic armor house and the **exclusive supplier of K2 Black Panther main-battle-tank special armor to Hyundai Rotem since 2009** DART 20260326001251 (2026-03-26); Hankyung 2025-07-30. In FY2025 it generated **₩154.6 bn of revenue at a 17.2% operating margin** – roughly triple FY2022 revenue (₩57.1 bn) and a four-fold lift in margin from the 1.3% trough DART 20260326001251. That trajectory did not come from a new product or a pricing decision; it came from a **single sole-source position multiplied across the Poland-led K-defense export super-cycle**. The prize and the risk are the same sentence.

Exhibit 1 · Revenue tripled while operating margin went from 1.3% to 17.2% (FY2023–FY2025, IFRS)



Source: DART 20260326001251, parent-only (OFS) financials. *FY2021–22 are restated K-GAAP, not directly comparable to the FY2023–25 K-IFRS series; shown for trend context only. OP margin on the right-hand 0–20% axis.

The mechanism is a **qualification-gated choke point**. SiC ballistic ceramic is sintered above 2,000°C under 150-plus tons of pressure and diamond-ground into hexagonal tiles that stop armor-piercing rounds at ~40% of steel's weight; the company owns the entire chain – SiC powder → sinter → machine → armor assembly → in-house KOLAS-accredited ballistic test – and is the only Korean firm qualified to supply K2 armor Hankyung 2025-04-27. Once a security-critical armor package is qualified onto a platform, re-sourcing is slow, costly and program-risky – 17 years of K2 exclusivity is the structural switching cost.

THE ONE-SENTENCE THESIS

Samyang Comtech is a genuinely moated, high-margin sole-source asset – the only integrated SiC ceramic-armor house in Korea and the exclusive K2 armor supplier – whose value is attached to one platform (K2), one prime (Hyundai Rotem) and one export wave (Poland) it does not control. The ₩86.78 bn Poland K2PL contract that proves the thesis (61% of revenue) is also the crystallized concentration risk; capacity, not demand, is the binding constraint, and a live family-holding / revolving-door governance overhang sits over a security-cleared supplier.

Five findings a diligence team should anchor on

1 The moat is real and structural — full-chain vertical integration plus the test lab. Western peers split the chain: materials houses make tiles, integrators assemble systems, certification is third-party. Samyang owns all three loops — sinter, structure, and the first private Korean KOLAS ballistic-test lab (2013) — the fastest iteration and the hardest displacement once qualified

research lens 03; Hankookilbo 2025-07-30.

2 The hard proof the cycle is in the P&L is one contract. On 2025-12-12 the company disclosed a **₩86.78 bn contract with Hyundai Rotem for Poland K2PL special armor**, to 2028-02-29 and flagged at 61.29% of annual revenue; with YE2025 backlog of ₩133.2 bn, that is unusual forward visibility — and unusual concentration Hankyung 2025-12-12.

3 The market re-priced the asset even as the order book strengthened. The August-2025 IPO popped +116% on day one to ₩16,640, then roughly halved to ~₩8,040 by June 2026 while the Poland order was being booked — a textbook cycle-top de-rate, with short interest building from ~0% toward ~1.4%

KRX ohlcv/short_balance.

4 Capacity, not demand, is the binding constraint. The two ceramic plants run at ~96% utilisation; IPO proceeds earmark a ₩29.6 bn Gumi expansion (+20–30% capacity) as the gating investment — demand visibility exceeds installed throughput DART 20260326001251.

5 The de-correlation levers are unproven, and the governance is live. Civilian (semiconductor / aerospace) ceramic diversification carries zero disclosed revenue; the JeO Holdings family bloc (44.69%) sits atop a recurring revolving-door record — though the CEO's criminal case ended in *acquittal*, not conviction research lens 05; Infostock Daily.

The three things a deal turns on

1 • Wave durability

Does Poland K2 — and the Gulf/Peru/Romania pipeline — convert backlog into a multi-year plateau rather than a spike? The asset rides a wave it does not steer.

2 • Concentration

One platform, ~2 primes, one end-customer. Loss of K2 exclusivity or a prime in-sourcing armor would be existential; the switching cost is all that prices that tail.

3 • Governance

An opaque family-holding chain and a live (2024) revolving-door flag over a security-cleared supplier — the dominant non-operational variable an acquirer inherits.

Verdict for the brief. A structurally advantaged, qualification-moated, high-margin armor franchise — sub-scale globally but a national monopoly in its lane. The diligence question is not whether the business is good; the K2 lock and the financials settle that. It is whether the **export wave persists**, whether **concentration is survivable**, and at what **governance discount** it is underwritten.

1 Company & Business Model

THE SOLE-SOURCE CHOKE POINT

Samyang Comtech is a defense ballistic-protection specialist that develops and mass-produces armor, protection products, and the underlying ceramic and composite materials for ground and aerial weapon systems. Founded in **December 1962** (as Oriental Industry), a designated defense contractor since **1973**, and renamed Samyang Comtech in **September 2006**, it reports a **single segment – Defense**, with no consolidated subsidiaries; parent-only statements are the complete financial picture DART 20260326001251.

The business model, in one diagram

The model is government- and prime-contractor-anchored, second-derivative demand. Samyang sells directly to the Korean government (DAPA) and domestic system integrators, and exports both directly to overseas integrators and indirectly – “local export” – through Korean primes that then ship the platform abroad. Where it sits in the value chain is the whole story:

Exhibit 2 · The value chain – Samyang owns the two highest-value links plus the test step

Stage	Who	Value capture
SiC powder & raw feedstock	Merchant suppliers (contested with semi/EV)	Input
Ceramic-tile manufacture (sinter / hot-press)	Samyang – Gwangju, Gumi	High
Armor assembly / add-on + special-armor integration	Samyang – Anseong	High
Ballistic test & evaluation (KOLAS)	Samyang – in-house lab (1st KR private, 2013)	Qualification gate
Platform prime / integrator	Hyundai Rotem, Hanwha Aerospace	Customer
End customer	DAPA / ROK Army / export governments	Demand

Source: DART 20260326001251 (\$3 raw materials & facilities); research lens 02/04. Samyang is a Tier-2/3 materials-and-subsystem supplier, not a platform OEM.

Three features define the economics. First, **special armor is roughly 10% of total tank manufacturing cost** – a small ticket, but an essential, qualification-gated component that pulls from every tank built ^{FinancialPost}. Second, **export armor is priced 20–30% above domestic**, so the export-mix shift is margin-accretive ^{FinancialPost}. Third, because Samyang owns the sinter, the structure and the certification, it captures the manufacturing margin at every value-adding link rather than reselling someone else’s tile.

Why “sole-source” is the right frame

This is not a diversified contractor that happens to make armor. Its franchise rests on one fact, repeated across every credible source: it has been the **exclusive supplier of K2 special armor to Hyundai Rotem since 2009**, and Korean and international press describe it as holding “the only ballistic-ceramic manufacturing technology in Korea” [claim] Hankyung 2025-04-27; SEDaily. The CEO’s positioning claim — that no other company in the world runs all stages from material through machining, armoring and welding, with only the US, Germany and France cited as comparable — is a company self-assertion, not an independently audited fact, and is flagged as a [claim] throughout this brief [claim] Hankyung 2025-04-27.

What is verifiable is the **structure of the lock-in**. Armor is safety-critical; a security-cleared qualification onto a battle tank is slow and expensive to replicate; and 17 years of exclusivity has compounded process know-how that a second source would have to rebuild from scratch under DAPA scrutiny. That is a switching-cost moat, not a price relationship — but it is a moat that points at exactly one platform family funneled through one prime.

Channel, customers and concentration

DART discloses no named-customer table (security), but customer identities are confirmable from disclosures and press: **Hyundai Rotem** (K2 special armor, wheeled add-on, the K2PL fuel tank) and **Hanwha Aerospace** (30mm anti-aircraft-gun-vehicle add-on armor), with DAPA and the ROK government as the anchor domestic buyer DART 20260326001251; Newsway 2026-06-11. Structurally this is a **single end-market** (Korean defense and its exports) funneled through a handful of primes.

A DATA GAP TO PRICE, NOT PAPER OVER

No quantified top-customer concentration (top-1 / top-3 % of revenue) is disclosed in DART. Concentration here is **structural and qualitative**, not a printed ratio — but the ₩86.78 bn Poland contract alone equals 61% of FY2025 revenue, so the single-customer / single-program exposure is unambiguous regardless of the missing table.

Ownership in one line (detail in Section 6)

Samyang is a family-holding company. The controlling vehicle **JeO Holdings** holds 24.10% and affiliate **Samyang Chemical Industries** 19.77%, taking the largest-shareholder bloc to **44.69%**; the group is run by brothers Park Jae-jun and Park Dae-jun, sons of the founder DART 20260326001251, hyslrSttus.json. For a diligence reader this is the single most important contextual fact: a clean, high-margin operating asset sits inside an opaque family-holding chain with a live governance record — the operating analysis is clean; the ownership overlay is where the deal complexity lives.

2 Five-Year Business Trajectory

FY2021 → FY2025

Between FY2022 and FY2025, revenue rose from ₩57.1 bn to ₩154.6 bn — roughly a **tripling, ~39% compound annual growth** — while operating margin expanded from 1.3% to 17.2% and net income swung from a small loss to ₩22.7 bn ^{DART 20260326001251}. The defining feature of the period is operating leverage on a single position: the same sole-source franchise, sold in far greater volume at a richer export mix.

READ THE TRAJECTORY ON THE IFRS SERIES ONLY

FY2023–FY2025 are **K-IFRS**; FY2021–FY2022 are **restated K-GAAP** (re-issued audits, 2025-07-18) and are **not directly comparable** — deferred-tax and revenue-recognition treatment differ materially, especially at the net-income line. All growth and margin claims in this brief run on the **FY2023–FY2025 IFRS series**; FY2021–22 are shown for trend context only ^{DART 20250718000107/108}.

Exhibit 3 · The P&L and balance-sheet walk, FY2021–FY2025 (+Q1-FY2026)

₩bn	FY21*	FY22*	FY23	FY24	FY25	Q1-26
Revenue	44.8	57.1	83.0	141.6	154.6	16.5
Operating profit	1.4	0.8	6.9	18.1	26.6	2.0
Net income	1.4	(0.6)	9.2	16.5	22.7	2.4
OP margin	3.1%	1.3%	8.3%	12.8%	17.2%	12.1%
Net margin	3.1%	n.m.	11.1%	11.6%	14.7%	14.4%
Total assets	68.6	86.6	156.2	161.4	239.7	286.2
Total equity	27.6	28.3	37.1	53.4	156.5	158.7
Total liabilities	40.9	58.3	119.2	108.0	83.2	127.5

Parent-only (OFS). Source: DART 20260326001251 (FY23–25, IFRS); restated audits 20250718000107/108 (FY21–22, K-GAAP); quarterly 20260515000911 (Q1-26).

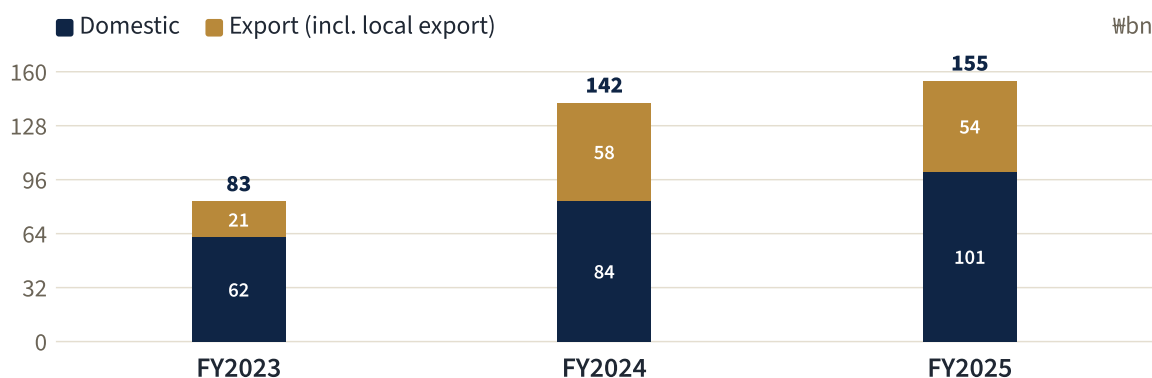
Three movements matter. **Revenue:** the FY2023→FY2024 jump (₩83.0→141.6 bn, +71%) is the K2 export wave hitting deliveries; FY2025 added a further ₩13 bn as domestic re-accelerated. **Margin:** gross margin reached 22.4% in FY2025 and operating margin 17.2% — operating leverage on a fixed-cost ceramic base running near capacity. **Net income** on the IFRS series rose ₩9.2→16.5→22.7 bn; the FY2022 K-GAAP loss is not comparable and should not be read into the trend.

The export-mix signature

The cleanest fingerprint of the K-export wave is the domestic/export split. Export share — direct overseas sales plus “local export” routed through Korean primes — leapt from ~25% (FY2023) to ~41% (FY2024) as the K2 wave landed, then normalised to ~35% (FY2025) as domestic re-accelerated

DART 20260326001251, §4. Because export armor carries a 20–30% premium, the mix shift is margin-accretive in its own right.

Exhibit 4 · Domestic vs export revenue, FY2023–FY2025 — the export leap of FY2024 (₩bn)



Source: DART 20260326001251, §4 “Sales & order status.” Export includes indirect “local export” through Korean primes (e.g. supplying a prime that exports the platform).

The IPO is the FY2025 balance-sheet event

The equity step-change — from ₩53.4 bn (YE2024) to ₩156.5 bn (YE2025) — is the **August-2025 IPO**: capital surplus rose ₩12.6→₩83.8 bn and the cash-flow statement records ₩75.2 bn of share-issuance proceeds

DART 20260326001251, irdsSttus.json. The raise also **cured a pre-IPO leverage flag** — the debt ratio had run 206% (FY2022) to 346% (FY2023), above the 200% threshold — and total liabilities fell to ₩83.2 bn by YE2025 *Infostock Daily*.

DO NOT ANNUALISE Q1-FY2026 LINEARLY

Q1-FY2026 revenue of ₩16.5 bn is only ~11% of FY2025 — defense revenue is delivery-milestone weighted, so the first quarter is a **seasonal trough, not a run-rate**. Note, however, that total assets rose to ₩286.2 bn and liabilities back to ₩127.5 bn (from ₩83.2 bn) — a working-capital and borrowing build to fund the order ramp *DART 20260515000911*.

Capital intensity is front-loaded

Capex ran ₩36.1 bn (FY2023, the Gumi build) → ₩19.2 bn (FY2024) → ₩7.4 bn (FY2025); R&D ran ₩4.97→₩3.83→₩5.65 bn, 3.6–6.0% of revenue *DART 20260326001251*.

The pattern is a capacity-heavy node largely paid for, with the IPO-funded Gumi expansion the next gating spend (Section 3). No cash dividend is evidenced in FY2025; **payout policy is not confirmable** from the collected data and is a diligence gap.

3 Products, Segment Economics & Technology

Moat

THE SiC
FRANCHISE

Samyang reports one segment, and DART withholds per-product revenue as security-sensitive. The product story therefore must be told through **program color and the technology under every line**, not a revenue pie. The moat is not a single product; it is a hard-to-replicate ceramic process plus a test lab, wrapped around an exclusive platform qualification.

The material is the moat

Samyang makes SiC granules from silicon and carbon, sinters them above **2,000°C under 150-plus tons of pressure**, then diamond-grinds them into hexagonal tiles that are **2–3× harder than steel at ~40% of the weight** and stop Korea's K279 armor-piercing round; SiC tiles are ~40% of the thickness of the K2's composite armor [Hankyung 2025-04-27](#). Personnel-protection lines use a different stack (UHMWPE / Dyneema and alumina). The defensible elements are three:

- ▶ **Full-chain vertical integration** — material → structure → assembly → weld, all in-house; the CEO claims no other firm worldwide runs all stages, with only the US/Germany/France cited as comparable [\[claim\] Hankyung 2025-04-27](#).
- ▶ **The KOLAS test lab** — first Korean private firm accredited (2013), so the company self-verifies to international standards. This is a structural **export-qualification differentiator**, not a marketing line [Hankookilbo 2025-07-30](#).
- ▶ **IP** — 22 patents (20 registered, 2 pending; 19 KR, 1 PH) spanning SiC-TiC composites, hot-press sintering molds, spaced-armor manufacturing, and plasma-etch electrodes (the semiconductor adjacency) [DART 20260326001251, §6](#).

ORIGIN OF THE CAPABILITY

After the 2006 rename, Samyang spent **seven years (2006→2013) developing SiC composite ballistic ceramic** before commercialising it, then built the KOLAS lab. That long, security-gated qualification path is precisely why a second source cannot be stood up quickly — the moat is time and accreditation, not just a recipe [Hankookilbo 2025-07-30](#).

The product lines, mapped to the franchise

Exhibit 5 · The portfolio – every line mapped to platform, customer and strategic role

Line	Platform	Customer	Role / status
K2 special armor (KSAP)	K2 Black Panther MBT	Hyundai Rotem (sole)	The franchise; Poland K2GF ₩86.8bn + K2PL dev ₩5bn
Export tank armor	Türkiye Altay MBT	BMC (direct export)	1st foreign-tank win; transitional T1 supply only
Wheeled-AFV add-on armor	K808/K806, K-30W, K21, Chunmoo	Rotem, Hanwha	Export beachhead; ₩3.3bn + ₩2.2bn (Jun-26); Peru
Light tactical-vehicle plates	Light/small vehicles	Peru, Iraq (pending)	Export pipeline, undisclosed value
Aircraft / rotary armor	KUH-1 Surion, LAH	KAI / govt	Ballistic plates, crash-worthy seats, fuel tanks
Body armor (SAV) & helmets (KH-B2000)	Personnel	Multi-country export	Real historical franchise; ~1,115g helmet [claim lightest]
Next-gen flexible fuel tank	K2PL	Hyundai Rotem	2nd subsystem on the same platform – deepens content

Source: research lens 04 (web/press) + DART 20260326001251. DART withholds per-product revenue; roles are qualitative.

Two reads from the table. First, the **K2 line is the franchise** and the Poland design wins are the cash: ₩86.8 bn for special armor and fuel tanks on the first 116 of Poland's 180-unit order (delivery by Feb 2028), plus a ₩5 bn K2PL protection-improvement development, plus a June-2026 export-K2 mass-production order [TheElec 2025-08](#); [Newsday 2026-06-11](#). Second, the **flexible fuel tank moves Samyang up the value chain on the same platform** – from armor tiles to a second subsystem – deepening content-per-tank rather than chasing a new customer [Hankyung 2026-01-06](#).

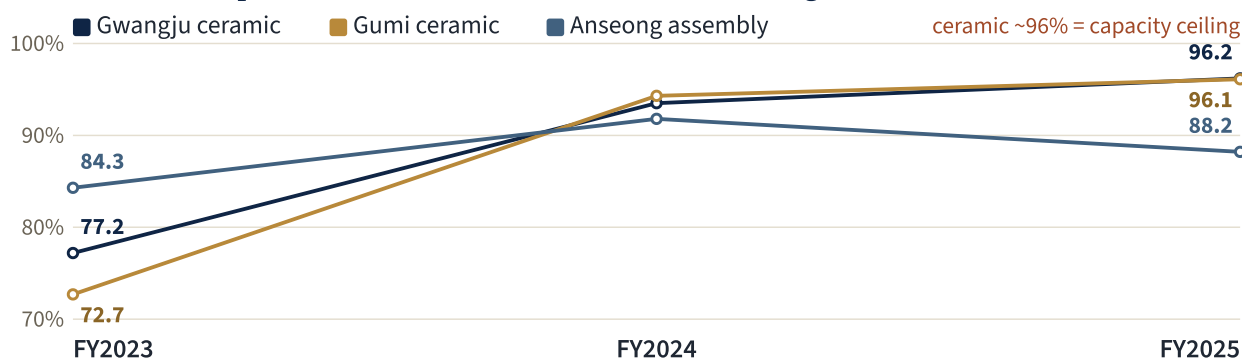
TWO WINS TO DISCOUNT, NOT BANK

Altay (Türkiye) is a genuine credibility milestone – the first Korean ceramic armor qualified onto a foreign-built tank – but it is explicitly **transitional T1 supply** until Roketsan localises, so treat it as proof-of-export, not durable revenue [Army Recognition](#); [Defence Blog](#). The ~₩1.5tn “**pipeline**” (K3, Redback, LAH, K2 follow-on) is analyst/company TAM-style framing spanning pre-production platforms – **not booked backlog**. Booked backlog is ₩133.2 bn (YE2025) [FinancialPost](#); DART 20260326001251.

Capacity is the constraint — and the capex driver

Across three plants, the **ceramic lines run near full**: Gwangju sinter at 96.2% and the new Gumi plant at 96.1% utilisation in FY2025, with Anseong armor-assembly at 88.2% DART 20260326001251, §3. Gumi capacity nearly tripled since its 2023 opening and still runs at ceiling. Near-full ceramic utilisation is the clearest signal that **demand visibility exceeds installed throughput** — the binding constraint is capacity, not orders.

Exhibit 6 · Ceramic plants run at ~96% — utilisation is the binding constraint (FY2023–FY2025)



Source: DART 20260326001251, §3 “Raw materials & production facilities.” Utilisation = output / capacity, by plant. Anseong = armor assemblies (units); Gwangju/Gumi = ceramic (sintered units).

The capex response is the IPO use-of-proceeds. Roughly **₩29.6 bn is earmarked for a Gumi expansion** (~₩25 bn deployed, +20–30% capacity on completion next year), with a ₩10.0 bn R&D-center investment deferred; a separate ₩23.9 bn Gumi Hi-Tech Valley plant (announced 2025-09-24) is the base for next-gen SiC ceramic Hankyung 2025-11-26; ETNews 2025-09-24. The principal input is SiC powder, whose purchases rose ₩28.0→32.1→33.2 bn — a feedstock contested with the semiconductor and EV-power markets, and an input-cost risk.

The diversification option — discount heavily

Management’s civilian narrative is to leverage high-purity ceramic competence into **semiconductor-process parts** (plasma-etch / deposition-chamber components, where the plasma-etch-electrode patents signal real adjacency) and **aerospace ceramics / CMCs** DART 20260326001251, §7. The adjacency is technically credible, but there is **zero disclosed civilian revenue, customer or timeline**, and entry pits Samyang against entrenched incumbents behind multi-year fab qualification. It answers the right question — “what happens when the K2 cycle turns” — but should be valued as **optionality with a heavy discount**, not a base case.

SECTION TAKEAWAY

The moat is genuine and structural — vertical integration plus the KOLAS lab plus 17-year K2 exclusivity — and content-per-platform is *deepening* (armor → fuel tank on K2PL). But the franchise is one platform deep, capacity-constrained at ~96%, and the only de-correlation lever is a pre-revenue diversification option. The quality is in the lock; the risk is in the breadth.

4 Served Market & 5-Year Forecast

THE DEMAND ENGINE

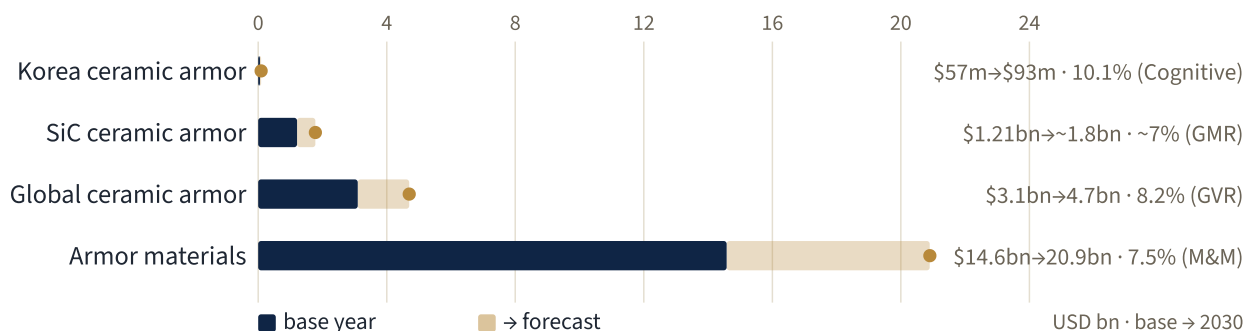
Samyang’s product is **ceramic / ballistic armor**, nested inside the broader armor-materials and ballistic-protection markets. But its *demand* is derived — it is timed by the main-battle-tank and armored-vehicle procurement cycle, above all Korea’s K-defense export wave. The market read therefore has two layers: the product market (slow, ~8%) and the demand engine (lumpy, large, and currently in super-cycle).

The product market — a ladder, with attribution

Third-party reports vary widely in scope; the responsible reading is a **range with sources named**, not a single point. Global ceramic armor was ~**USD 3.1 bn (2024, GMI)** — bracketed by USD 2.69 bn (2023, Grand View) — growing ~**8.2% to USD 4.7 bn by 2030** (GVR). Korea ceramic armor is a small ~USD 57 mn (2024, Cognitive MR) but the **fastest region at ~10.1%**; the SiC slice — Samyang’s exact material — grows ~7–8%

GMI; Grand View; Cognitive MR; Growth Market Reports.

Exhibit 7 · The served-market ladder — base year → 2030 across scope, with named sources (USD bn)



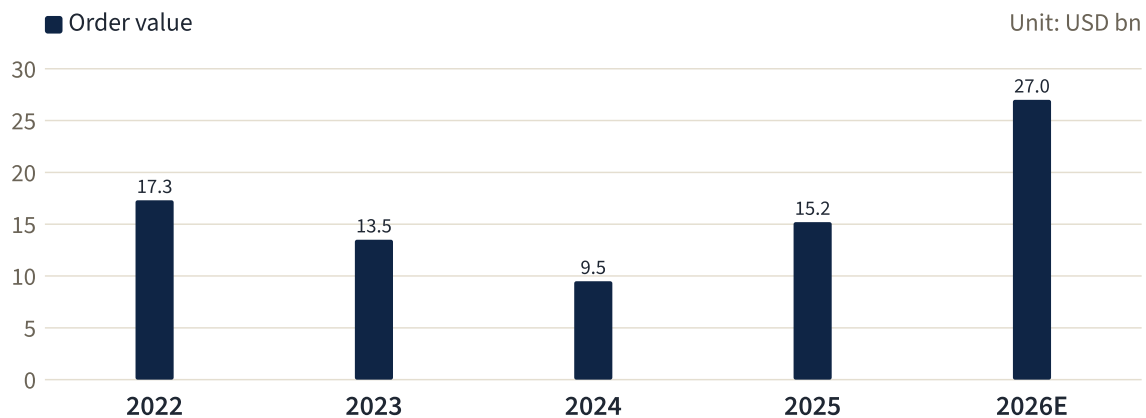
Sources (retrieved for this brief): GMI & Grand View (global ceramic armor); Cognitive MR (Korea); Growth Market Reports (SiC); MarketsandMarkets (armor materials). Bar = base; dot = 2030. Scopes differ — read as a ladder, not a single market.

Two cautions a diligence reader should carry. First, these are commercial estimates with opaque methods and meaningful definitional spread (whether body armor, homeland security, and low-cost imports are counted). Second, even the broadest, fastest scope grows only ~**7–10%** — far below Samyang’s realised growth. That gap is the heart of the market read.

The demand engine — the K-defense export cycle

What actually moves Samyang's numbers is **export redistribution toward Korean primes**, not the slow drift of the armor-materials market. The platform markets themselves grow only ~2–4% (Global MBT ~USD 5.8 bn at 1.8%) — so the signal is in the **order book, which is lumpy and large**. Korea's defense-export order value swung USD 17.3→13.5→9.5→15.2 bn across 2022–2025, with the Export-Import Bank projecting **2026 above USD 27 bn** and a national goal of world #4 exporter by 2030 Korea Eximbank; SIPRI; KED Global.

Exhibit 8 · Korea defense-export ORDER value — the lumpy second-derivative engine (USD bn)



Sources (retrieved for this brief): SIPRI / IISS / Korea Eximbank / KED Global. Order value, not recognised revenue; 2026E is the Eximbank research-institute projection. Samyang is a second-derivative pure-play on this curve.

Poland is the engine. The 2022 framework had Poland order ~1,000 K2; in 2025 the second executory contract (~USD 6.5 bn, ~₩9.4 tn) covered 180 units — 116 K2GF plus 64 of the first Polish-variant K2PL with new special armor — plus support vehicles and MRO. Every K2 carries Samyang special-armor content; every wheeled AFV carries add-on-armor content. Talks with Iraq, Peru (54 K2 + 141 AFVs), Romania and Saudi Arabia sit behind it

Korea Herald; MoneyToday 2025-08-01. A steady domestic floor sits underneath: the 2026 Korea defense budget is ₩65.86 tn (+7.5%), capability-development +11.9%.

The decoupling — why Samyang grows faster than its market

Samyang's FY2025 revenue (₩154.6 bn ≈ USD 112 mn [EST, ₩1,380/USD]) is roughly **2× the entire scoped “Korea ceramic armor” USD 57 mn market** — because it sells higher-value armor *assemblies and systems*, not just tiles, and ~35% of revenue is export. Its served segment grew ~39% (FY22–25), ~5× the global ceramic-armor rate — **decoupled from the ~8% drift and re-coupled to the lumpy K-defense order book** research lens 02; DART 20260326001251.

FORWARD READ

For 2026–2028, the served segment should grow at the **K-order-book rate** — well above the ~8% market CAGR — for as long as Poland K2 and the Gulf/Peru AFV programs deliver, then normalise toward high-teens % as the base scales. The market does not constrain Samyang; the **order book and its own capacity** do.

Structural drivers and headwinds to 2030

TAILWINDS

- ▶ **European rearmament** — SIPRI puts 2025 global military spend at USD 2.887 tn (11th straight rise; Europe +14% to \$864 bn), funding record MBT/AFV procurement ^{SIPRI}.
- ▶ **Weight-down substitution** — steel/aluminium → ceramic composite for the same protection at lower mass; higher threat levels (Level IV+) are ceramic-dependent.
- ▶ **FX** — a weak KRW (~₩1,380/USD) makes Korean armor cheaper than US/EU suppliers — a structural exporter tailwind.
- ▶ **Korea's #4-exporter path** — an industry target of ~USD 30 bn orders by 2030 keeps the order pipe full.

HEADWINDS

- ▶ **Program-timing lumpiness** — order flow is milestone-driven, not smooth (mirrored in Samyang's Q1 trough).
- ▶ **SiC feedstock cost/supply** — the same SiC powder is pulled hard by semiconductor and EV-power demand.
- ▶ **Localization mandates** — Poland, the Gulf and Peru want in-country production, which can move armor value-add offshore over time.
- ▶ **Export-credit dependence** — the Polish contracts have repeatedly hinged on financing “plumbing” outside Samyang's control.

The diversification pools — context, not base case

The civilian pools Samyang touches are larger and faster than its core, which is why they appear in the equity story: **semiconductor-process ceramics** at USD 2.3–9.4 bn (~7–9%, SiC slice fastest ~9.4%) and **aerospace ceramics / CMCs** at USD 5.6–12.0 bn (8–10%, SiC slice ~13–14%)

Dataintel; BCC Research; MarketsandMarkets. But each is blocked by entrenched incumbents and multi-year qualification, and Samyang has no disclosed revenue in either. Model them as **upside optionality only**; the base case is negligible 2026–2030 contribution.

SECTION TAKEAWAY

Samyang serves a slow ~8% product market but is driven by a lumpy, large K-defense export engine currently in super-cycle. Its growth is decoupled from the market and re-coupled to the order book — a higher-beta, higher-visibility profile than the underlying market CAGR implies, gated by its own capacity and by a Polish execution schedule it does not set.

5 Competitive Landscape & Positioning

PLACING SAMYANG

The naive peer set — body-armor brands and fiber makers — overlaps Samyang only at the edges. Its real lane is **heavy ceramic-composite armor for ground vehicles and rotary-wing aircraft**, sold to platform primes and governments. That sits at the intersection of two value chains — ballistic-ceramic materials and vehicle-armor systems — and Samyang is unusual in spanning both plus owning its test lab.

The scoped peer set

Exhibit 9 · The scoped peer set — materials giants, system integrators, and the primes that buy from Samyang

Peer	Listing	Scope vs Samyang
Saint-Gobain Perf. Ceramics (Hexoloy)	Euronext SGO (div.)	Upstream SiC-tile powerhouse, NATO access; not a national MBT integrator
3M / Ceradyne	NYSE: MMM	Closest tech analog; deep ceramics, US-DoD; materials supplier, not foreign-MBT owner
CoorsTek (Cerashield)	Private	SiC/B4C tile supplier to integrators — complementary layer, not a finished-armor prime
NP Aerospace (UK)	Private	Nearest Western functional twin; composite-led, much smaller, no in-house sintering
Avon Protection	LSE: AVON	Exited body-armor plates (2023) — cautionary peer; overlaps only on helmets
Hyundai Rotem	KRX: 064350	#1 customer, not a rival — builds K2; Samyang exclusive armor supplier 17 yrs
Hanwha Aerospace	KRX: 012450	Customer / frenemy — buys add-on armor; in-sourcing is a tail risk, not today

Source: research lens 03 (web). Whole-conglomerate revenue is NOT like-for-like; the relevant comparison is the ceramic-armor line. [EST] where entity-level figures are unreliable.

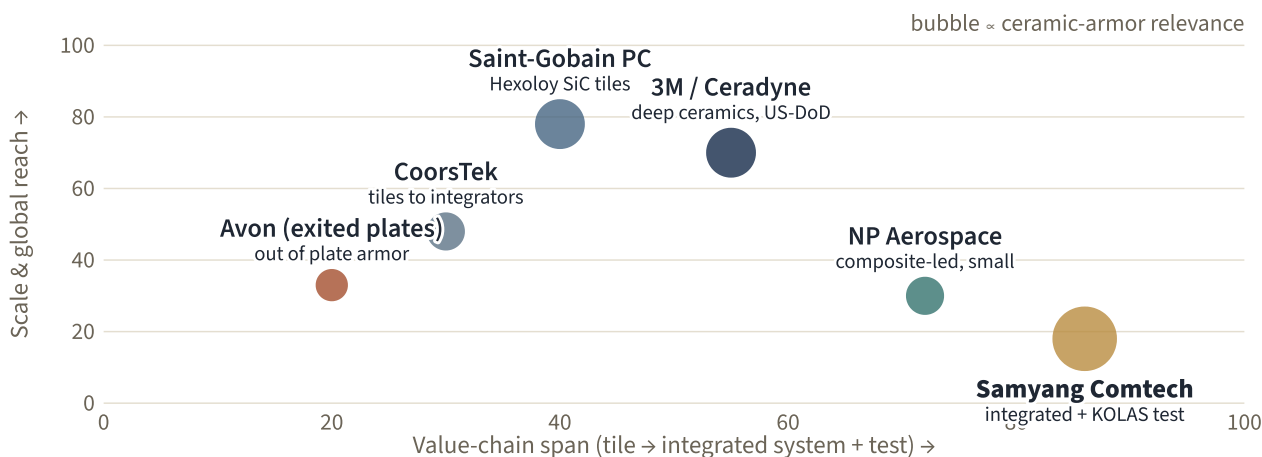
The materials market is concentrated at the top — **Saint-Gobain + 3M held >35%** of the broader ceramic-armor materials market (2024), with defense vehicle armor the largest application (~41% revenue share)

Data Bridge; Grand View. But that dominance is in *materials supply*; the **vehicle-armor-system + national-program layer** where Samyang actually wins is far more fragmented and nationally captive. That split is the crux of its defensibility.

The positioning map

Plot the field on two axes — value-chain span (tile → integrated system + test) and scale / global reach — and Samyang lands in a **near-empty quadrant**: the fully vertically integrated ceramic-armor house that is also a national monopoly. The materials giants sit high on scale but center-left on span (they make tiles, not national-program structures); the Western integrators match neither its ceramic scale nor its sovereignty position.

Exhibit 10 · The near-empty quadrant — integrated span × scale, with the materials giants and integrators



Source: research lens 03 (web). Axes are qualitative positioning, not measured share. Bubble = ceramic-armor relevance. Hyundai Rotem / Hanwha are customers, not plotted as rivals.

Read against each peer: **vs Saint-Gobain / 3M**, Samyang loses on materials depth, R&D budget and NATO access but wins decisively in Korea and owns the finished-structure-plus-test layer they do not — competition is confined to third-country tenders. **vs CoorsTek / CeramTec** (tile suppliers), it wins by being a system-and-program supplier. **vs NP Aerospace / Avon**, it wins on ceramic mass-production scale and in-house sintering; Avon has largely exited plate armor and NP is composite-led and small.

Share, rank and the real risk

Samyang is a **~100% sole qualified supplier** for K2 special armor and the major Korean programs, but only a **small single-digit %** of the ~USD 2.5 bn global SiC ballistic-ceramic market — a national-champion niche leader, not a global materials leader [EST] research lens 03. The “world’s-largest mass-production” line is credible at plant scale given ~96% utilisation but is a [claim] , not independently audited. Its true vulnerability is therefore not competitive displacement but **concentration** — one end-market, ~2 primes plus government, one super-cycle (Section 8).

Where it wins, where it loses

WINS

- ▶ Korea MBT/AFV/aircraft ceramic armor — effective monopoly
- ▶ Fast iteration via full vertical integration + own KOLAS test lab
- ▶ Cost/scale in monolithic SiC at ~96% utilisation
- ▶ Riding K-defense exports as the sole armor enabler
- ▶ Export beachhead established (Altay = first foreign-MBT win)

LOSES

- ▶ Global materials leadership (Saint-Gobain / 3M own it)
- ▶ Western / NATO program access
- ▶ Personal body-armor and fiber categories (different players)
- ▶ Civilian-ceramic diversification (unproven, incumbents entrenched)
- ▶ Scale and revenue-base diversification (~\$110–115 m)

The structural advantages are durable but bounded. Vertical integration and the test lab give Samyang the fastest iteration loop in its lane and the hardest displacement once qualified; the national-champion / sovereignty premium ties it to the entire K-export wave and to DAPA's domestic-content imperative. But DAPA's cost-based contracting caps domestic margin upside, and export depends on government-to-government deal flow it does not control. It is a challenger, not an incumbent, outside Korea.

THE RISK IS NOT A RIVAL — IT IS CONCENTRATION

Samyang has effectively **no domestic ceramic-armor rival at the vehicle/MBT tier**. The two largest names in its ecosystem — Hyundai Rotem and Hanwha — are its *customers*, not competitors, and the only durable competitive threat is one of them **in-sourcing** armor: not happening today, but the tail the 17-year switching cost is pricing. The diligence read is that competitive displacement is unlikely; **concentration on one prime relationship and one super-cycle** is the real exposure.

SECTION TAKEAWAY

Samyang occupies a defensible, near-empty quadrant — the fully vertically integrated ceramic-armor house that is also a national monopoly — where the materials giants don't compete on the integration/national-program axis and Western integrators don't match its ceramic scale. Its battleground with the giants is confined to third-country export tenders; its true risk is not a rival but **concentration on one prime relationship and one defense super-cycle**.

6 The Strategic Signal

CYCLE-TOP IPO OF A SOLE-SOURCE ASSET

The dominant signal is a capital-markets event: a 60-year-old, family-holding-controlled defense-ceramics maker IPO'd onto KOSDAQ in **August 2025 — its first public market ever — precisely to monetize and finance its single structural position** (sole-source K2 armor riding the Poland export wave) at the cycle's visible peak. The ₩86.78 bn Poland order book, the +116% pop, the subsequent halving, and a live governance overhang are facets of one story.

Exhibit 11 · From founding to de-rate — a sole-source franchise going public at the peak

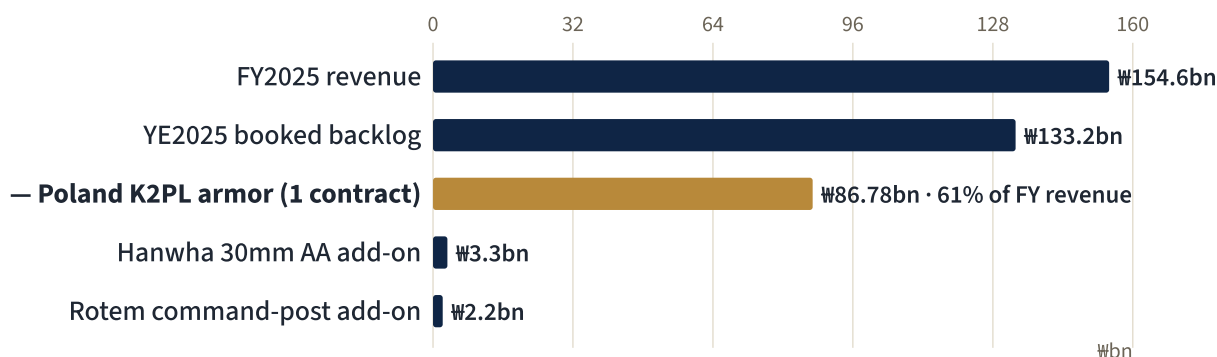


Source: DART 20260326001251; KRX ohlcv/short_balance; Hankyung, MoneyToday, TheElec (dates per research lens 05).

The hard proof — one contract at 61% of revenue

On **2025-12-12** the company disclosed a **₩86.78 bn contract with Hyundai Rotem for “Poland K2PL, 1st GF special armor,”** to 2028-02-29 and flagged at **61.29% of annual revenue** Hankyung 2025-12-12. A June-2026 cluster added ₩2.2 bn (Rotem command-post add-on), ₩3.3 bn (Hanwha 30mm AA add-on), and an export-K2 mass-production order pre-secured ahead of the main contract Asia Business Daily 2026-06-08. The single Poland order is at once the S-tier signal and the crystallized concentration risk.

Exhibit 12 · The order book in one image — forward visibility and concentration are the same picture (₩bn)



Source: DART 20260326001251 (backlog); Hankyung 2025-12-12 (₩86.78bn Poland K2PL); Newsway 2026-06-11 (Jun-26 cluster). One contract = 61% of FY2025 revenue.

The IPO frenzy and the immediate de-rate

The offering priced at the **top of the ₩6,600–7,700 band** → ₩7,700, raising ~₩111.7 bn (10.13 m new shares). The institutional book ran **565.55:1** with a record 44.8% under voluntary lockup; the retail book **927.97:1** on **₩12.95 tn** of deposits. Listed 2025-08-18, the stock closed day one at **₩16,640 (+116%)**

Hankyung 2025-08-01; g-enews 2025-08-18. The valuation deliberately used a conservative FY2024-NI base against Rotem / LIG Nex1 / Firstech comps at ~27.16× PER (~₩435 bn implied) to guarantee a pop — which it got. By June 2026 the price had **roughly halved to ~₩8,040** as listing-day momentum and lockups rolled off, even as the Poland order was being booked.

KRX CONTEXT — ONE SENTENCE, BY DESIGN

Post-listing, short-interest-as-%-of-float rose from ~0% toward a ~1.4–1.5% spring-2026 peak while the price fell — a price-down / short-build divergence — which is consistent with the market re-pricing a single-platform small-cap, not a thesis-level signal in its own right `KRX short_balance; ohlcv`. (We treat KRX price/short data strictly as contextual color, never as a valuation input.)

The governance and integrity overhang — handled precisely

This is the part most likely to be over- or under-stated, so the facts and their status are separated. The controlling vehicle **JeO Holdings** sits atop a family web (Samyang Chemical Industries, Samyang Fine Chemical), bloc ~44.69%, run by brothers Park Jae-jun / Park Dae-jun. The integrity record is **real and recurring — but not a clean “convicted corruption” story**:

- ▶ A **2016 Board of Audit & Inspection finding** on special-forces body armor failing to stop armor-piercing rounds (~3,900 units, >₩5.1 bn damage, a revolving-door angle) referenced “Company A / Company B” and **did not cleanly name Samyang** in the public summary — fact-vs-allegation must be kept distinct
BAI 2016; research lens 05.
- ▶ A CEO criminal fraud case over alleged falsified supply records **ended in acquittal (not-guilty)** — do **not** characterise as convicted `court report; research lens 05`.
- ▶ **Live (2024) friction**: two retired procurement officials were *rejected* for director/exec seats under the Public Official Ethics Act — the issue is current, not historical `Infostock Daily`.

DEFENSIBLE FRAMING FOR THE BRIEF

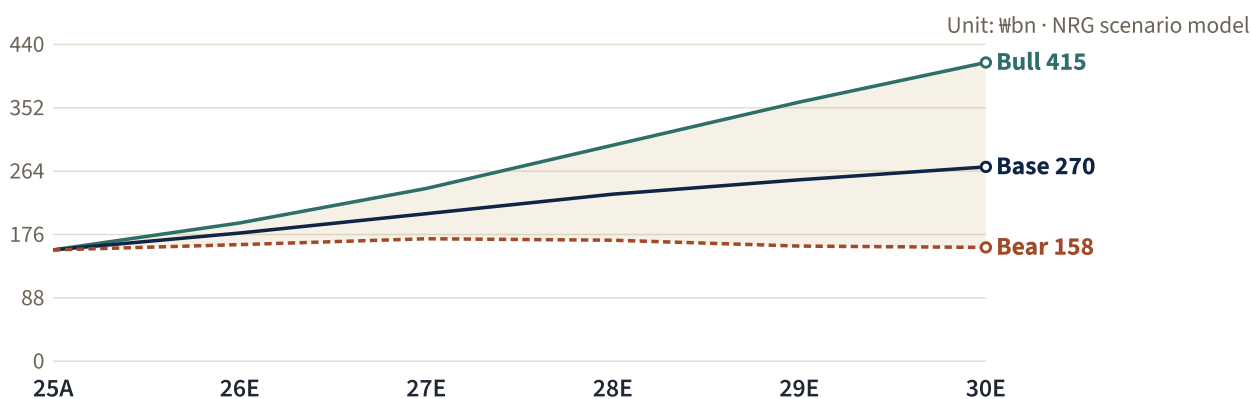
Persistent **revolving-door / quality-governance exposure** in a security-sensitive sole-source supplier, with one criminal case that did **not** result in conviction — not “the company was convicted of procurement corruption.” The opaque family-holding chain compounds minority-shareholder information asymmetry; both were explicit KRX listing-review variables. This is a discount-and-monitor item, not a disqualifier — but it is live.

7 Outlook & Scenarios 2026–2030

THREE PATHS

2026–2028 is unusually de-risked for a small-cap: the ₩86.78 bn Poland contract (to Feb-2028), the ₩133.2 bn YE2025 backlog and the June-2026 follow-ons give 2–3 years of visibility. The forward question is what happens **after** the current Polish tranche – whether the wave becomes a multi-year plateau or a spike – and that is what separates the three scenarios.

Exhibit 13 · Revenue scenarios FY2025A → FY2030E – the spread is the wave, not the market (₩bn)



Source: NRG scenario model on DART 20260326001251 base. Illustrative analytical constructs, NOT forecasts of record. Bull/base/bear differ on Poland follow-on tranches and Gulf/Peru conversion, gated by Gumi capacity.

Bull · ~₩415bn

~22% CAGR

A third Polish tranche and Gulf/Peru/Romania conversions stack on the K2PL ramp; the Gumi expansion lands on time; export mix and pricing hold. The order book becomes a multi-year plateau, not a spike.

Base · ~₩270bn

~12% CAGR

The contracted Poland K2PL batch delivers on schedule; add-on-armor exports grow steadily; capacity expands as planned but gates the upside. Margin holds in the mid-teens on export mix.

Bear · ~₩158bn

~flat

Polish execution slips on export-credit financing; no durable foreign-platform follow-on; localization clauses erode content; SiC feedstock cost compresses margin. Revenue plateaus near the FY2025 base.

The swing factors are explicit: (1) the pace of the next Poland K2 tranche and Gulf/Peru/Iraq/Romania conversions; (2) whether Korea’s #4-exporter / ~\$30 bn-orders path holds; (3) whether Altay-style foreign-platform wins become *durable* rather than transitional; (4) whether any real civilian ceramic revenue de-correlates from the defense cycle; (5) localization clauses eroding domestic content; (6) SiC feedstock cost; (7) KRW FX. None of these is in Samyang’s control – which is the whole point of the thesis.

What would move the brief from base to bull — or to bear

The base case assumes the contracted Poland K2PL batch delivers and add-on-armor exports grow steadily, with the Gumi expansion gating rather than blocking. The asymmetry to watch is that the **upside is demand-rich but capacity-gated**, while the **downside is execution-driven and largely exogenous** — a slip in Hyundai Rotem’s Polish financing or schedule flows straight through to a second-derivative supplier that does not set the pace.

CONFIRMS THE BULL

- ▶ A signed third Polish K2 tranche or a Gulf/Peru conversion to firm order
- ▶ Gumi expansion completing on schedule at +20–30% capacity
- ▶ A durable (non-transitional) foreign-platform armor win
- ▶ First disclosed civilian-ceramic revenue or a named fab customer

CONFIRMS THE BEAR

- ▶ A Polish delivery slip tied to export-credit financing
- ▶ A localization clause moving armor value-add in-country
- ▶ A SiC feedstock cost spike (shared with semi/EV demand)
- ▶ A prime signalling intent to in-source armor

For an acquirer, the practical implication is that **the model should be anchored on the order book and capacity schedule, not on the served-market CAGR**. The served market drifts at ~8%; Samyang’s outcome is a step-function of Polish execution and its own Gumi ramp. A diligence plan should therefore prioritise primary verification of the Polish delivery schedule, the Gumi completion timeline, and the durability of any non-K2 foreign-platform win — the three variables that separate the scenarios.

SECTION TAKEAWAY

The near term is genuinely de-risked by a hard order book; the medium term is a wave Samyang rides but does not steer. The base case is steady mid-teens growth gated by capacity; the bull needs the wave to compound into a plateau; the bear needs only Polish execution to slip. Underwrite the order book and the Gumi schedule, and discount the ~₩1.5tn “pipeline” to optionality.

8 Due-Diligence Risk Register

WHAT AN ACQUIRER INHERITS

The risks are **concentration- and cycle-shaped, not operational**. The operating asset is clean and high-margin; what an acquirer must price is the narrowness of the franchise, the exogeneity of the demand, and the governance chain around it. Each item below is diligence-able.

Exhibit 14 · Risk register – likelihood, impact and the diligence test for each

Risk	Likelihood	Impact	Diligence test
Concentration – one platform (K2), ~2 primes, one end-customer (Poland)	Structural	Existential	Confirm K2 exclusivity terms & renewal; map top-3 customer %
Cyclical – second-derivative on a volatile export curve	High	High	Verify Polish delivery schedule & export-credit status
Capacity ceiling – ceramic plants at ~96%	Current	Medium	Confirm Gumi completion date & realised +20-30% capacity
Diversification unproven – zero civilian revenue	High	Medium	Seek any named fab/aerospace customer or qualification step
Governance / revolving-door – live 2024 flags, opaque holding chain	Live	High	Map JeO Holdings chain; confirm acquittal & ethics-law status
Localization mandates – in-country production clauses	Medium	Medium	Review Poland/Gulf/Peru content-localization terms
SiC feedstock – contested with semi/EV demand	Medium	Medium	Confirm feedstock contracts & price pass-through

Source: synthesis across research lenses 01-05. Likelihood/impact are NRG qualitative assessments, not probabilities.

Two of these carry the deal. **Concentration** is structural and unpriced by any disclosed ratio – one contract is 61% of revenue, and loss of K2 exclusivity or a prime in-sourcing armor would be existential; the 17-year switching cost is the only thing standing against it. **Governance** is live: the 2024 director rejections show the revolving-door issue is current, the family-holding chain is opaque, and while the CEO's criminal case ended in *acquittal*, the pattern is recurring in a security-cleared sole-source supplier. The remaining items – cyclical, capacity, diversification, localization, feedstock – are real but quantifiable, and each maps to a specific primary-diligence question.

SECTION TAKEAWAY

None of these risks breaks the thesis on the evidence; all define the deal. The asset is a genuinely moated, high-margin sole-source franchise – but it is one platform deep, ridden on a wave it does not steer, and wrapped in a governance chain that an acquirer should map before, not after, signing. Price the concentration and the governance; diligence the wave.

Working With Nathan Research

COMPLIANT EXPERT NETWORK

Filings and press establish the *shape* of this business; they do not capture the operating detail that decides a deal — the durability of the Polish wave, the real terms of K2 exclusivity, the texture of the family-holding chain. That detail lives with the people who built, qualified, supplied, and competed with these armor programs — and reaching them, compliantly, is what Nathan Research does.

Nathan Research Group operates **Korea’s first dedicated expert-network service, established in 2013**. We were built for the global private-equity, hedge-fund, or corporate-strategy team that has a thesis on a Korean asset and needs primary, on-the-ground diligence that public disclosure cannot supply. The Korean defense and advanced-materials complex is one of our deepest benches.

Who we put in the room

For a Samyang Comtech or ballistic-ceramic engagement, we source, vet, and convene primary experts across the value chain:

- ▶ **Former executives & founders** — from Samyang and its domestic and global ceramic-armor peers
- ▶ **Materials & process engineers** — SiC sintering, hot-press tooling, armor-structure and KOLAS-style ballistic test
- ▶ **Platform-prime program managers** — Hyundai Rotem / Hanwha armor-integration and qualification
- ▶ **DAPA / procurement specialists** — defense cost-contracting, export approval, and the revolving-door rules
- ▶ **Export-program advisers** — Poland K2, Gulf and Peru/Romania AFV deal flow and localization terms
- ▶ **Competitors & downstream specialists** — Western materials houses, integrators, and SiC-feedstock supply

How an engagement works

1 • Scope

We translate your thesis into a precise expert profile and question set, mapped to the diligence decisions you need to close.

2 • Source & vet

We identify, screen, and compliance-clear each expert — confirming relevance, recency, and the absence of conflicts before any call.

3 • Convene & synthesize

We arrange interviews on your timeline and, where useful, deliver written synthesis tied back to the questions in this brief.

THE QUESTIONS THIS BRIEF LEAVES OPEN — AND WE CAN HELP CLOSE

Wave durability — the real state of the Polish delivery schedule and the odds of a third tranche or Gulf/Peru conversion. **Concentration** — the actual top-3 customer split and the renewal terms behind 17 years of K2 exclusivity. **Governance** — how counterparties read the JeO Holdings chain and the live ethics-law flags. None is answerable from filings alone; all are diligence-able with the right primary voices.

Partner With Nathan Research

START THE CONVERSATION

If your team is evaluating **Samyang Comtech**, the **ballistic-ceramic armor sector**, or the broader **Korean defense-materials and K-export supply chain**, we would welcome the conversation. Tell us the decision you are trying to make — we will tell you, candidly, whether and how our network can help you make it.

What to expect when you reach out: A direct reply from a partner, not an intake form — and a scoping conversation rather than a sales call. From there: a compliant, conflict-cleared expert panel assembled to your timeline, and, where useful, written synthesis that builds directly on the analysis in this monograph.

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A Appendix

SOURCES · METHODOLOGY · GLOSSARY

Evidence base & methodology

This monograph synthesizes a full inventory of primary (DART, KRX) and secondary (named market-research, press) sources, assembled and cross-checked for this engagement (data through 2026-06-16). Figures are cited inline to source; where independent sources disagreed (notably market sizing), **ranges are presented with attribution** rather than single-vendor point estimates. Company and press self-assertions are flagged **[claim]**; triangulated figures **[EST]**.

Regulatory (DART, primary): annual report 2025.12 (receipt **20260326001251**, filed 2026-03-26) and its structured parent-only (OFS) financials; quarterly report 2026.03 (**20260515000911**); restated FY2021–23 audits (**20250718000106/107/108**, 2025-07-18); IPO / capital-increase, ownership, and treasury records (irdsSttus / hyslrSttus / tesstkAcqsDsps); post-listing 5%/insider filings (**20250825000196 / 000317 / 000329**). Reporting basis parent-only (zero consolidated subsidiaries).

Market (KRX): by_company/samyangcomtech OHLCV, short_balance, short_volume, universe (2025-08-18 → 2026-06-16) — used only as a demand/sentiment overlay, never as a valuation input. Listed shares constant at 41,210,450 (cross-checks the single capital event).

EDGAR: zero hits — no SEC/offshore disclosure footprint.

Press & program color: Hankyung, Hankookilbo, TheElec, Newsway, Newsis, MoneyToday, Asia Business Daily, Infostock Daily, ETNews, Army Recognition, Defence Blog, Wikipedia (Samyang Comtech / KH-B2000) — for program-level detail DART withholds (per-product revenue, customer names, the IPO frenzy, the governance record).

Web market research (named, with attribution): Global Market Insights, Grand View Research, Cognitive Market Research, Growth Market Reports, MarketsandMarkets, Data Bridge, BCC Research, Dataintelo (ceramic-armor, armor-materials, SiC, semiconductor- and aerospace-ceramic sizing); SIPRI / IISS / Korea Eximbank / KED Global (defense spend & Korea export order value).

Data-gap caveats: per-product / per-program revenue, quantified customer concentration, and dividend policy are **not disclosed** in DART (security) and are not printed as figures here. FY2021–22 are restated K-GAAP, read for trend only. The ₩1.5tn “pipeline” is TAM-style optionality, not booked backlog (booked = ₩133.2bn). The CEO criminal case ended in **acquittal**; the 2016 BAI finding used “Company A/B” and did not cleanly name Samyang. “World’s largest” / “Korea’s only” are **[claim]**.

Glossary

SiC — silicon carbide; the ballistic ceramic Samyang sinters. **KSAP** — Korean Special Armor Plate, the K2 special-armor product. **특수장갑 (teuksu-janggap)** — special armor (the K2 franchise plate). **부가장갑 (buga-janggap)** — add-on / applique armor (wheeled-AFV kits). **방탄세라믹 (bangtan-seramik)** — ballistic ceramic. **K2 / K2PL / K2GF** — the Black Panther MBT and its Polish-export and gap-filler variants. **KOLAS** — Korea Laboratory Accreditation Scheme; the ballistic-test accreditation Samyang holds (1st KR private, 2013). **DAPA (방위사업청)** — Defense Acquisition Program Administration, Korea’s arms-procurement agency. **MBT / AFV** — main battle tank / armored fighting vehicle. **OFS (별도)** — parent-only (separate) financial statements. **OPM** — operating margin. **JeO Holdings (제오홀딩스)** — the controlling family-holding vehicle.

SCOPE & DISCLAIMER

This is a business-analysis and market-research document prepared to support due-diligence; it is **not** investment advice, not a solicitation, and contains no price target or valuation conclusion. KRX price and short-interest data are used only as contextual demand-and-sentiment color, never as a valuation input. Forward scenarios are illustrative analytical constructs, not forecasts of record. Prepared by Nathan Research Group, Seoul, 2026-06-16.