



driventia.

STRICTLY CONFIDENTIAL

LEVEL 4 AUTONOMY FOR VEHICLE LOGISTICS

Driverless shuttles that automate the empty leg

Professional drivers known as “jockeys” drive the finished cars. Our shuttle covers the empty leg on its own — driving itself, with no one aboard, to bring drivers to the next vehicle. Continuous, and validated in live operations.

ROUND

Seed · €5M

STAGE

TRL 7 · 1,750+ km

HQ

Valladolid · ES

Vehicle logistics still **runs on humans.**

€93–170K €

/ YR · COST OF LABOUR

€37–68K per driver FTE fully loaded. One position needs 2.5 FTEs — two shifts plus holidays and absences.

20–30%

DRIVER SHORTAGE

Specialist compound jockeys are scarce. Peak-season gap of 20–30% vs demand. An EU structural deficit, worsening with an ageing workforce.

Hard ceiling

THROUGHPUT CEILING

Operators cannot scale throughput beyond driver headcount. Adding shifts needs proportionally more FTEs — the shortage compounds.

Zero data

HIDDEN COSTS · NO DATA

Wrong vehicle location, missed SLAs, no fleet data. No visibility of where cars are or timing — blocking any compound optimisation.

Logistics is today the single biggest pain point for vehicle manufacturers and operators — because it is still highly manual.

~13M

NEW CARS IN EUROPE / YR

+

~40M

USED CARS SOLD / YR

×

~6

MOVES PER CAR · AVG

→

~300M+

VEHICLE MOVEMENTS / YR



+20K

DRIVERS IN EUROPE
AUTOMOTIVE SECTOR ALONE

Today: two people to move one car. Driventia: one — and a site that learns.

A large plant pushes 1,000+ finished vehicles off the line every day, plus ~50% more in internal repositioning — and every single move still needs a person on board.

TODAY — MANUAL

Two people per cycle. Nothing is measured.

1 PRODUCTIVE LEG

MANUAL

The **jockey** drives the finished vehicle to its spot. This is the only leg that creates value.

2 EMPTY LEG

DRIVER · PURE OVERHEAD

A **second person — the driver — brings the jockey back** to the next vehicle. One more trip, one more salary, **no vehicle moved**.

3 DATA

ZERO

No one knows where each car is or how long each move takes. **Optimising is impossible.**

DRIVENTIA

The return trip drives itself. Every move becomes data.

1 PRODUCTIVE LEG

JOCKEY · HUMAN

Same productive leg — the jockey still drives the car. We do not touch the part that creates value.

2 EMPTY LEG

AUTONOMOUS

The **shuttle brings the jockey back with no one aboard**. The second person disappears — that is the position we remove.

3 THE SITE LEARNS

PHYSICAL AI

Every trip generates data — positions, times, patterns, dispatch improving daily. **Physical AI makes the compound measurable and optimisable.**

RESULT 1 shuttle · the empty-leg driver removed · continuous operation · a compound that optimises itself

The shuttle gets us in. The Orchestrator takes the site.

The kit is hardware sold per vehicle. The Orchestrator is **patented software sold per site** — no hardware, no COGS, no CAPEX for the client — and it takes out a second jockey.
Same deployment, twice the revenue.

BASE · THE PRODUCT · LEASED, NOT OWNED

DAP — Certified Autonomy Core

Runs the empty leg with no one aboard — the entry ticket everything above depends on.

- 🛡️ **Level 4** with independent Safety Supervisor — 35 safety checks, HARA + SOTIF
- 📍 **Localization < 0.25 m** — RTK/GNSS + LiDAR, GNSS-denied fallback
- 👁️ **LiDAR 3D perception** — point-cloud fusion, collision avoidance
- 📶 **Teleop fallback** + remote stop
- 📶 **1,750+ km live** · 0 manual controls in the last 1,030 km

HD MAP LAYER · TRANSVERSAL

Nav map

→ ORCHESTRATION

Perception map

→ AD STACK

Localization map

→ RTK-AMCL · SLAM

LAYER 1 · FLEET INTELLIGENCE · LICENSABLE SAAS

PATENTED

ZERO HARDWARE

Orchestrator — the software layer that scales without steel

Turns individual vehicles into one coordinated site. Sold separately, priced on the labour it removes.

- 🔒 **Deadlock prevention** — patented zone-control architecture
- 🗝️ **Multi-vehicle dispatch** & route optimisation across the whole fleet
- ⚡ **Optimises** yard surface, departure & arrival times, energy
- 👤 **Mixed operation** — humans and AVs on one jockey tablet, day one

2ndJOCKEY REMOVED
PER SITE**≈2×**REVENUE
PER DEPLOYMENT**~0**HARDWARE COGS
ADDED**1 mo**VALIDATION
THEN CONTRACT

Commercial model already agreed with a customer: priced against the labour removed, at ~35% below the direct monthly cost of the person it replaces.

LAYER 2 · SITE INTELLIGENCE · STANDALONE SAAS

NEW ARR · NOT PRICED IN

Physical AI

SAME SENSORS, NEW PRODUCT

Real-time catalog

EVERY VEHICLE · ANOMALY FLAGS

Site security

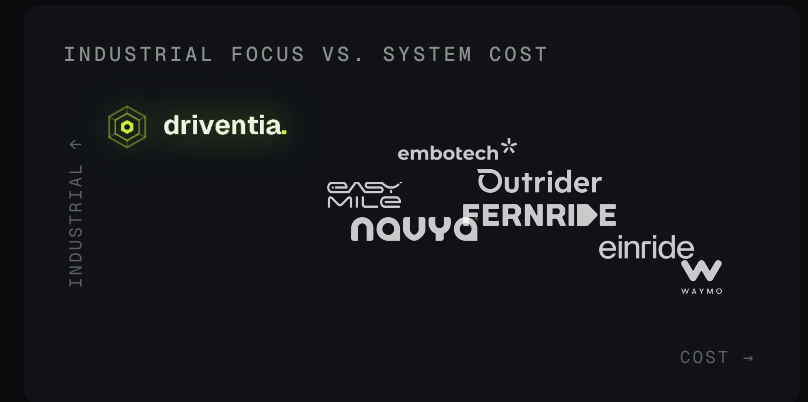
PERIMETER & INTRUSION

Operational patterns

ONBOARDING < 5 DAYS

Our competitor isn't a vendor. **It's manual labour.**

SOLUTION	ODD	USE CASE	COST	TAKEAWAY
Manual jockeys — status quo	Every site in Europe	Humans drive every leg	€93–170K /yr-position	The real incumbent — 20–30% driver shortage, unscalable, zero data
driventia.	Industrial closed	Empty leg → jockey	<€25K	Purpose-built to replace the status quo
embotech*	Plant compound	Driverless marshalling	High	Needs sensors installed on site — OEM plants only
EASY MILE	Campus / fixed route	Passenger shuttle	Medium	Fixed routes — not industrial ODD
NAVYA	Campus / urban	Robotaxi / pax shuttle	Medium–High	Current focus on asian market and tow trucks
Outrider	Distribution yard	Yard truck automation	High	Trucks, not cars — US only
FERNRIDE	Port / terminal	Terminal tractors	High	Tele-ops — not fully autonomous
einride	Public road freight	Long-haul trucking	High	Focused on trucks — not open routes
WAYMO ZOOX	Public road	Robotaxi	Very high	Not economical for closed sites
In-house & academic pilots	Test tracks	Research prototypes	n/a	No certification path — never productised



EMPTY FIELD = EARLY MARKET, NOT NO MARKET

- The buyer's alternative today is **hiring humans** — scarce, unscalable, blind.
- **EASY MILE** · **NAVYA** — wrong ODD. **Outrider** · **FERNRIDE** — trucks, not cars.
- **WAYMO** · **ZOOX** — wrong cost base for closed sites.
- **Bounded-ODD economics work from vehicle #1** — a cost point no public-road player can match. First mover in an early market.

* Cost estimates: Driventia internal analysis. Everyone else in autonomy solves a different problem — the alternative buyers actually use today is human labour.

Someone already proved it works. They just can't reach the market.

The first profitable Level 4 won't be on the open road — it'll be in bounded environments, and it is already certified and in serial production. The question is no longer whether the ODD works. It's who can serve the 99% of sites that will never be instrumented.

TAM · FIRST PRODUCT

EU €1.4B + US €1.15B — removes the taxi driver

€2.5B

+ ORCHESTRATOR

A second jockey comes out on the same site — software, no added hardware

~€5B

SAM · DAP FOCUS

~315 compounds + ~40 RoRo ports

€330–400M

+ DATA & NEW ODDS

Fleet SaaS + adjacent ODDs — not priced into the plan

Upside

THE WEDGE

>1,000 EU sites, controlled ODD, positive unit economics from the first vehicle. ~300M+ vehicle movements a year in Europe, and every one still needs a person.

DEMAND VALIDATION · EMBOTECH

The market is proven by someone else's certificate.

- 🛡️ **Embotech proves the demand.** Certified Level 4 driving finished cars, in serial production at BMW plants. This is not an unproven market.
- 📺 **It proves it for one segment only.** Per-site lidar infrastructure plus OEM integration lands in OEM greenfield plants — and stops there.
- ⚡ **The rest has no vendor.** 40M used cars a year, multi-brand 3PL compounds, RoRo ports. Their alternative today is hiring humans.
- ⚡ **Bounded-ODD economics work from vehicle #1.** Onboard, site-agnostic, under 5 days onboarding — a cost point no public-road player can match.

WHY NOW

A structural driver shortage and the new **EU machinery regulation — mandatory 2027** are forcing vehicle logistics to automate on a fixed clock.

€5–8K a shuttle.

The Orchestrator sells the site twice.

All-in subscription, no client CAPEX, live in ~1 week. Price is per country (€5K Spain → €8K France/Germany) and is **the price signed in the Lols**. The kit pays back from month 1 on the jockey alone; the Orchestrator captures a second position at almost no added cost to serve.

35–45%

LAYER 1 The Kit — hardware subscription

Saving on the jockey alone. €60–96K/yr subscription against €93–170K/yr of labour replaced, matched by country.

<€25K

AD KIT · COST TO DRIVENTIA / VEHICLE

Our COGS, not a client price.

€25K → €50K+

GROSS PROFIT / SHUTTLE / YR

Year 1 after kit amortisation → Year 2 on.

≈2×

LAYER 2 + Orchestrator — software subscription

A second jockey comes out. Labour displaced per deployment roughly doubles — second subscription, same cost to serve, no additional hardware. This is the line that turns a fleet contract into a site contract.

85–90%

RECURRING SAAS GROSS MARGIN

The Orchestrator sits at the top of this band — no hardware to amortise.

90%

ANNUAL GROSS RETENTION

Each layer deployed makes the next harder to remove.

+ ARR

LAYER 3 + Physical AI — site data

Fleet and site intelligence as standalone SaaS — a revenue line on top, deliberately not in the base plan.

~50 veh

AVG ACTIVE FLEET TO
EBITDA BREAK-EVEN · 2029

Average active vehicles across the year, on the kit subscription alone. **Orchestrator revenue is not assumed in this breakeven** — the single signed Lol already covers the whole fleet needed to get there.

LOI SIGNED Lol for **50 vehicles** across Spanish sites covers the entire fleet needed for EBITDA breakeven in 2029 — Spain is under 10% of the European market.

Real plant. **Zero failures.** Three operators committed.

1,750+ km fully autonomous · 0 manual controls in last 1,030 km · every safety event was a tuning improvement, not a system fault. Three operators have signed LoIs — one contracted, two in pipeline.

**LOI SIGNED · VOLUME DEAL**

Major Spanish vehicle-logistics operator. LoI signed for 50 vehicles across compound sites.

GO-LIVE 2028

ARPU €60K/VEH/YR**THIS CLIENT ALONE → EBITDA BREAK-EVEN****LOI SIGNED**

Multi-site operator across France and Spain. LoI signed — volume under discussion between the two countries.

TARGET GO-LIVE 2028

ARPU €66K/VEH/YR

VOLUME IN NEGOTIATION

**LOI SIGNED**

Largest European 3PL operator. LoI signed for vehicles across European compounds.

TARGET GO-LIVE 2028+

ARPU €66K/VEH/YR

VOLUME IN NEGOTIATION

CONVERSION MODEL · POC 15 + 15 DAYS

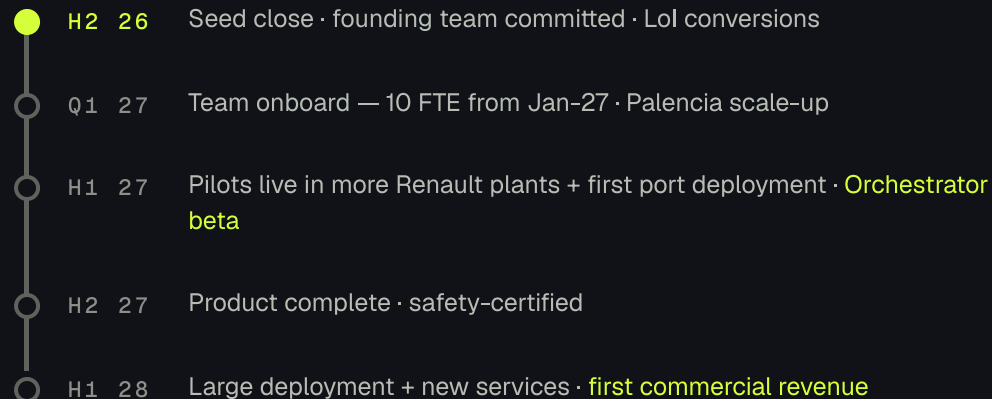
~15 days to prepare a bounded zone + ~15 days of real operation on the client's site, then contract — the model both **Puerto de Málaga** and **Tradisa** asked for independently.

"Best solution we've seen in the last 2 years." — MAJOR EU LOGISTICS OPERATOR, POST-TRIAL, Q1 2026

€5M to revenue. Default-alive on the Seed.

The round funds 24 months, from team start to first commercial revenue. Every figure below is taken straight from the financial model, not allocated top-down.

PRODUCT ROADMAP



USE OF FUNDS · CUMULATIVE JAN-27 → DEC-28

€5.93M OF USES



Funded by the €5M seed, €0.21M of hardware asset financing and €2.10M of revenue collected over the period. Hardware shown gross of financing.

 **24 mo**

FUNDED RUNWAY

Jan-27 → Dec-28, to the cash trough.

 **~50 veh**

EBITDA BREAK-EVEN · KIT ALONE

Needs ~50 average vehicles on the kit alone; the plan carries **~65** — breakeven with headroom.

 **Zero**

FURTHER EQUITY ROUNDS IN THE PLAN

Reaches 2032 on this round alone — no Series A assumed.

Built by the people **who invented it.**

PHASE-1 TEAM · 10 FTE (MATCHES THE P&L)

CEO · CO-FOUNDER
Vicente Milanés

Founder & CEO

Renault Group Berkeley

COO · CO-FOUNDER
Esther Cid

Operations & delivery

Atos HEC

CTO · CO-FOUNDER
Miguel Á. Sotelo

Physical AI & autonomy

Universidad de Alcalá IEEE

SENIOR ARCHITECT
Adrián Mazaira

System architecture

Renault Group

SENIOR SW DEVELOPER
Carlos Flores

Delivery pipeline

nauya

3

C-LEVEL

3

SENIOR SW DEV

4

JUNIOR SW DEV

Commercial, marketing, ops & partnerships — covered by the C-level in this phase.

SCIENTIFIC ADVISOR
Fernando García

Professor at UC3M · AV architect

uc3m Universidad Carlos III de Madrid

STRATEGIC ADVISOR
José G. Pacheco

Former CIO, Astara · Stanford GSB

astara

6-YEAR BUSINESS PLAN

YEAR	VEHICLES (YEAR-END)	REVENUE	STAGE
2027	—	~€0.05M	Pilots / PoC
2028	36	~€2.0M	First commercial revenue
2029	82	~€6.7M	EBITDA breakeven · FCF+
2030	200	~€16.5M	Profitable scale
2031	370	~€34.2M	Multi-client growth
2032	500	~€53.9M	~77% EBITDA margin

2029

CASH-FLOW POSITIVE — FREE CASH FLOW > 0

~77%

 EBITDA MARGIN
2032

Figures from the financial model (v22), including orchestrator revenue on 66% of the billed fleet. Grants are excluded throughout.

Renault Group

Spun out of Renault Group — exclusive licence on the autonomy IP developed over 10 years of in-house R&D, Palencia as the first live site, and Renault as reference customer and industrial partner.

Spun out of Renault. **Not owned by Renault.**

The terms that decide whether a spin-out is investable — all five, closed.

TERMS AGREED WITH RENAULT

🛡️	CONTROL	0% equity today. No board seat, no veto, no ROFR
🔗	DILUTION	10% option from founder shares — zero dilution to this round
★	THE IP	Exclusive, perpetual, irrevocable — and we own our derivatives
📈	ROYALTY	2.5% → 1.25% → 0% from Year 6 · services only
🌐	MARKET	Worldwide, any vehicle, any customer in our field of use

WHAT THE LICENCE BRINGS IN

- ⚙️ **10 years of R&D** — stack at TRL7, 1,750+ km live
- 📜 **3 patents**, exclusive in the field of use
- 📍 **Palencia** as first live site — a real plant
- 💰 **€0 fee, 0% equity** at signature

A €30M stack transferred for no cash and no equity — the reason this round starts at TRL7 instead of a whiteboard.

NET POSITION

0%

RENAULT EQUITY TODAY

0%

DILUTION TO THIS ROUND

Year 6

ROYALTY ENDS · LICENCE STAYS

None

BOARD SEAT · VETO · ROFR

ALSO AGREED: 3% FEE ON A CHANGE OF CONTROL BEFORE THE OPTION IS EXERCISABLE · OPTION PRICED AT 90% OF THE LAST ROUND, CAPPED AT €300M · FINANCING MARGIN ON VEHICLE LEASING. FULL TERMS IN THE ANNEX.



LET'S BUILD

The window is open.

A validated, road-proven stack — ready for the next phase.

READY TO DEEP-DIVE

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Data room available under NDA • driventia.com