JUNCTION 2026 · SPREAD CHALLENGE BY BAHN EXPRESS

Progresful

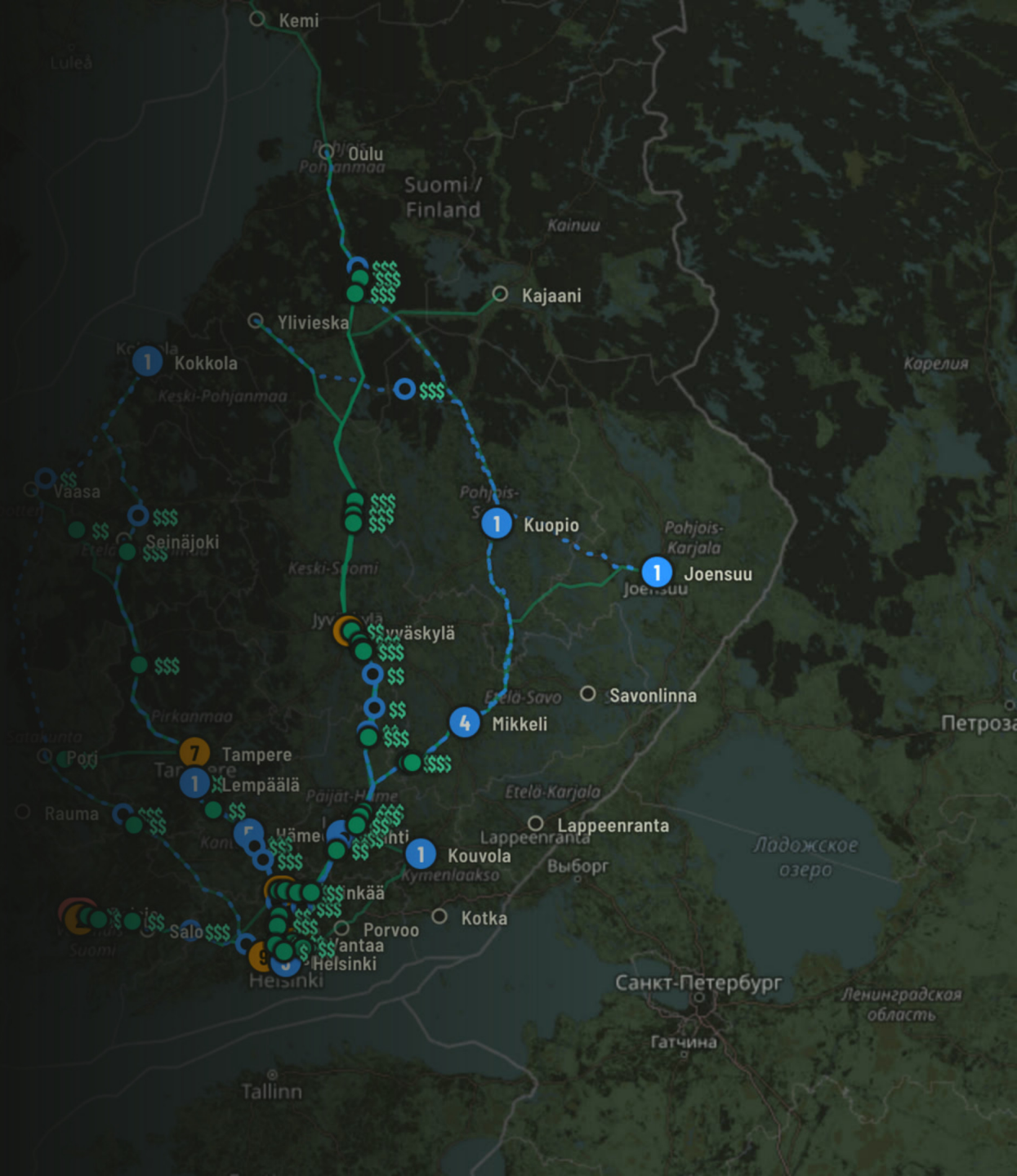
TRANSFERS

IT DOES NOT GUESS. IT REHEARSES.

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bahn.pgf.lv
github.com/progresful/progresful-transfers

Submission hash **e08ad-81e5c-5ff31-cc37a**



WHAT THE CHALLENGE ASKS, AND OUR ANSWER

The challenge asks	Progresful Transfers answers
Quote every dealer, against a competitor	A market model per world and per dealer, learned from our own wins and losses.
Deliver at least 90 % on time	Every request gets a lateness risk. Above the cap we pass. 96.6 % on time on 48 worlds.
Move the cars with freelance drivers	Gigs with a fee that rises only as the deadline nears, and chains: one driver, two cars.
Earn the highest margin	€18,560 a week on 48 benchmark worlds, every one of the 48 weeks ranked.
Play the final live	The same code on a server, state saved every 2 seconds, a restart rejoins the week.
Be clear and robust for the jury	Go with no dependencies. Every request recorded, every version judged on the same worlds.

HOW ENGINE E24 DECIDES

STEP 1

QUOTE

- Read the dealer's note: the real hours and the real deadline
- Lane fee: a request's typical fee counts up to 1.04 times its lane's
- Cost is 1.2 times that fee
- Lateness risk above the cap: pass
- Price is what this dealer accepts today

STEP 2

DISPATCH

- The fee holds at the typical fee and rises to 1.25 times only near the deadline
- Two orders become one gig when one driver can carry both
- A chain that found no driver gets a second attempt
- A big dealer's car arrives the day it is ready

STEP 3

LEARN

- Each win and each loss moves the price level, per dealer
- An on-time guard tightens the cap before late cars show in the account
- Friday is priced cheaper: Saturday and Monday still deliver
- Fee clock: a gig a driver gives back starts again from the opening fee
- Premium cars and trade-ins are declined

> The world is deterministic and every request is on tape: any decision can be replayed, questioned and improved.

SEVEN DECISIONS, MEASURED ON THE SAME WORLDS

ENGINE E2

ON-TIME PROTECTION

Most late cars were never booked before their last pickup.

88.4 → 92.2 %

on time in the worst week

ENGINES E9, E10

ONE DRIVER, TWO CARS

Two orders on one route cost little more than one.

+€1,032

a week, on 8 worlds

ENGINE E15

MARKET AND RISK MODELS

The leaders won more orders and were more on time.

+€1,761

a week, on 8 worlds

ENGINES E18, E19

A CHEAPER FEE CLOCK

Fees rose before the clock required it.

+€645

a week, on 24 worlds

ENGINE E20

DISCOUNT AND TRUST RUSH

Price in what a shared driver saves; keep big dealers' trust.

+€294

a week, on 24 worlds

ENGINES E21, E22

RETRY, CHEAPER FRIDAY

A dropped chain gets a second try; Friday still delivers later.

+€439

a week, on 48 worlds

ENGINES E23, E24

FRESH CLOCKS, LANE FEES

A given-back gig restarts low; a fee follows its lane, not a request's noise.

+€1,147

a week, on 48 worlds

THE RULE

SAME WORLDS, OR NO DEAL

A change ships only if it beats the last version, week by week.

48 worlds

RESULTS, WHAT FAILED, KNOWN LIMITS

€18,560

margin a week, the mean of 48 benchmark worlds, engine e24

96.6 %

on time, with all 48 weeks above the 90 % minimum

+46 %

margin a week from engine e8 to e24, on the same eight worlds

IN THE FIELD

- Ranking rounds: first at levels 5, 6 and 7, second at level 8
- Live test final: top three, 98.9 % on time
- Two live runs on the server, no error and no restart
- Ready for finals

MEASURED AND REJECTED

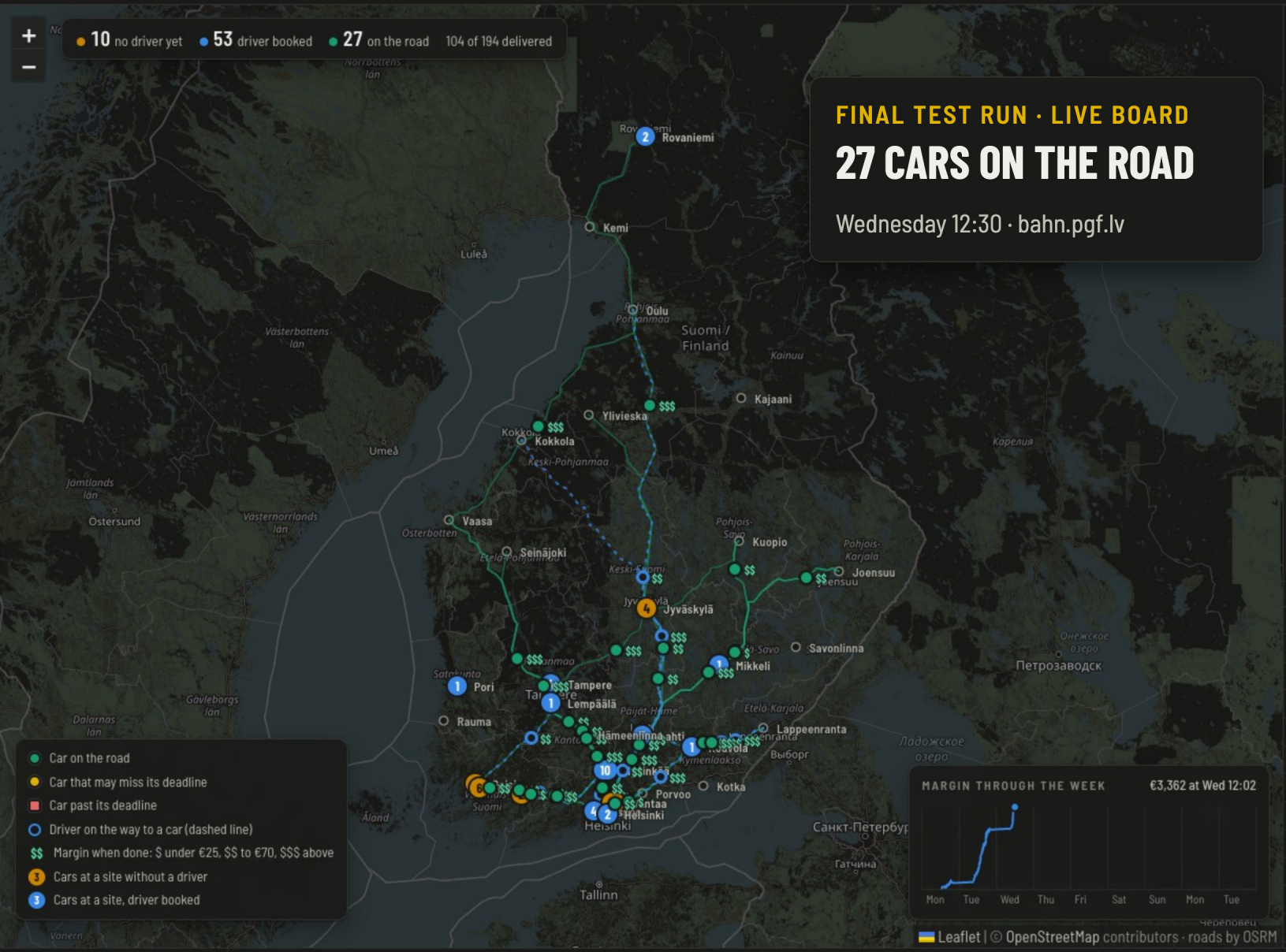
- Trade-ins: 47 % late, −€298 a week
- A same-day price premium: −€550 to −€900
- Higher fees to buy drivers: margin fell, on-time did not move
- Direct offers to drivers: 1 to 3 % accepted
- A dearer price for small dealers: −€339
- And many more

KNOWN LIMITS

- Premium cars and trade-ins are declined, about 7 % of requests
- The risk model is fitted on our own practice weeks
- Weakest of 96 weeks, 48 of them held out: 90.7 % on time
- Engine e24 went into the final with no ranking round of its own

PROGRESFUL | 19:45 · Final · €17,755 · 442 ord... | REPLAY | 1 ONLINE

MARGIN €3,362 €32 an order | TO COLLECT +€3,803 80 orders with a driver | REVENUE €7,995 €77 an order | DRIVER FEES €4,580 57% of revenue | ORDERS WON 195 40% of 489 requests | ON TIME 100.0% 0 late | WEDNESDAY 12:30



QUOTES TO DEALERS

what was asked, what we offered, what came of it

492 asked · 195 won · 221 lost · 73 passed · 3 waiting · 47% of priced quotes won · won at 1.32× list · lost at 1.39×

passed because: 32 premium car · 26 too risky · 6 too little time · 4 trade-in · 2 summer tyres · 2 no price pays · 1 shorter hours

ASKED	LANE	PRICE	× LIST	ANSWER	THEN	MARGIN
Wed 12:27	Vantaa → Hyvinkää	€43	1.24	waiting		
Wed 12:25	Espoo → Helsinki	€33	1.11	waiting		
Wed 12:17	Porvoo → Turku	€102	1.40	waiting		
Wed 12:13	Vantaa → Espoo	€30	1.05	won	no driver · 2 min	~€18
Wed 12:11	Hyvinkää → Vantaa	€40	1.33	lost		
Wed 12:11	Vantaa → Vaasa	€167	1.25	won	no driver · 4 min	~€75
Wed 12:09	Vantaa → Vaasa	-		passed	too little time	
Wed 12:09	Vantaa → Vantaa	€26	1.04	won	no driver · 6 min	~€13
Wed 12:09	Lahti → Kajaani	€189	1.43	lost		
Wed 12:08	Vantaa → Oulu	€211	1.23	lost		
Wed 12:03	Pori → Mikkeli	€131	1.32	lost		

GIGS FOR DRIVERS

what is in the drivers' app, and who took it

210 posted, 61 of them again · 11 open · 31 booked · 31 being driven · booked at 0.86× the typical fee · after 13 min (median) · 3,093 views · 15 given back · 0 ran out

POSTED	LANE	FEE	× TYP.	VIEWS	STATE	DUE
Mon 09:36	Raisio → Ylivieska	€126	1.17	294	open 2 d	Fri 20:00
Mon 15:33	Turku → Raisio	€13	1.08	104	open 45.0 h	Fri 19:30
Tue 16:29	Turku → Hyvinkää +1	€115	1.12	18	open 20.0 h	Wed 20:00
Tue 17:58	Espoo → Hämeenlinna +1	€185	1.09	12	open 18.5 h	Wed 20:00
Tue 18:51	Vantaa → Helsinki	€16	1.21	56	open 17.6 h	Wed 20:00
Wed 10:39	Jyväskylä → Kajaani	€97	1.00	15	open 1.9 h	Mon 20:00
Wed 11:34	Vantaa → Jyväskylä +1	€136	0.85	24	open 56 min	Fri 20:00
Wed 11:59	Salo → Raisio	€28	0.90	4	open 31 min	Fri 20:00
Wed 12:24	Vantaa → Vantaa	€13	0.80	7	open 6 min	Thu 20:00
Wed 12:26	Vantaa → Vaasa	€91	0.80	10	open 4 min	Thu 20:00
Wed 12:28	Vantaa → Espoo	€13	0.80	1	open 2 min	Wed 20:00
Wed 11:04	Tampere → Mikkeli	€88	1.00	19	booked after 85 min	Thu 20:00

