

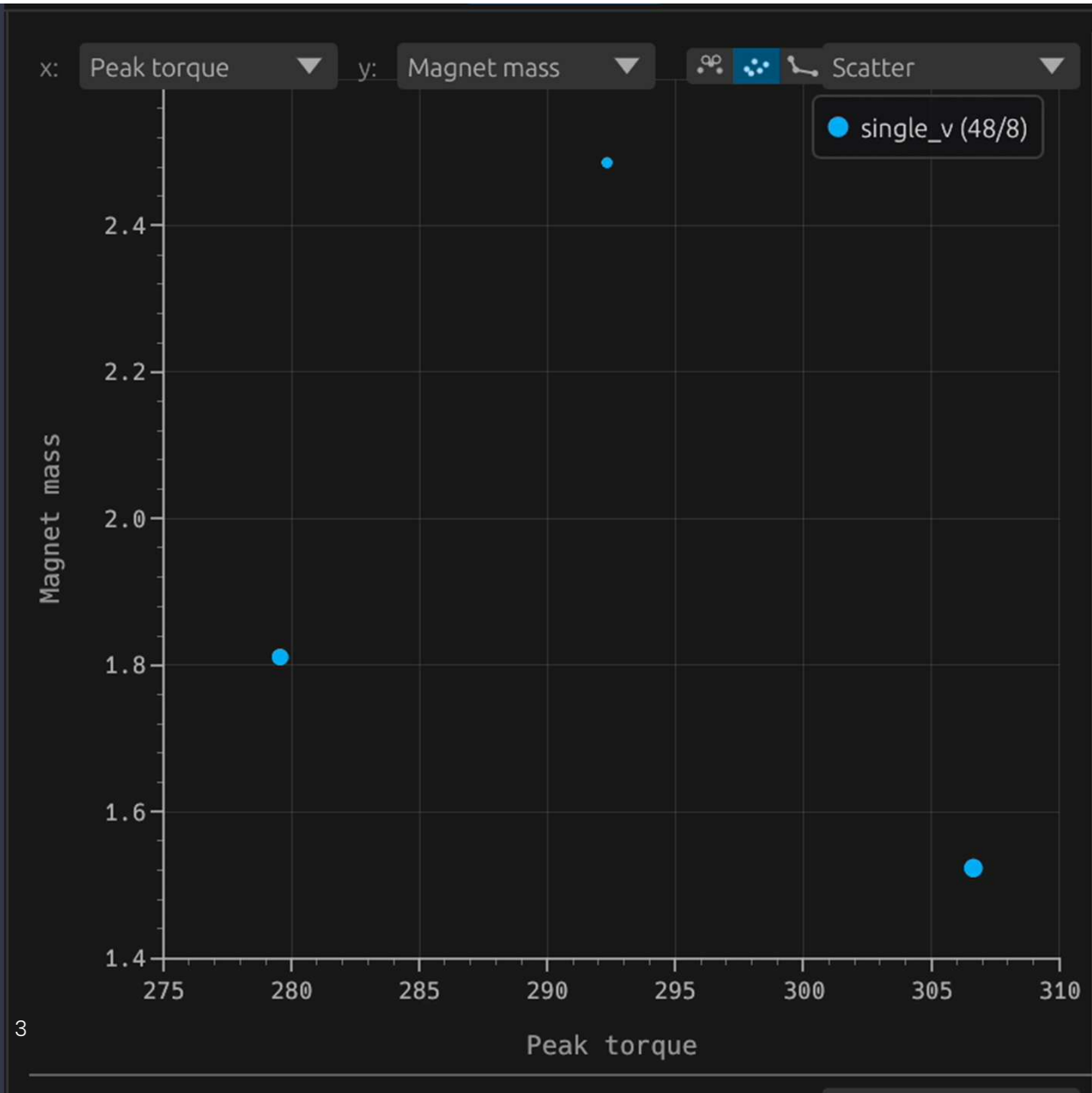


monumo
reinventing engineering

What could you achieve if your engineering team could evaluate

**>1000's candidate e-axle designs, in full FEM detail,
in the space of a few minutes?**

**How would that change the way you approach system
design?**



Every one of these points is an e-axle design – evaluated in full FEM detail.

Not a surrogate prediction, not an interpolation between a handful of runs.

Around 8,000 designs evaluated in 81 seconds. Roughly 4,500 met every constraint.

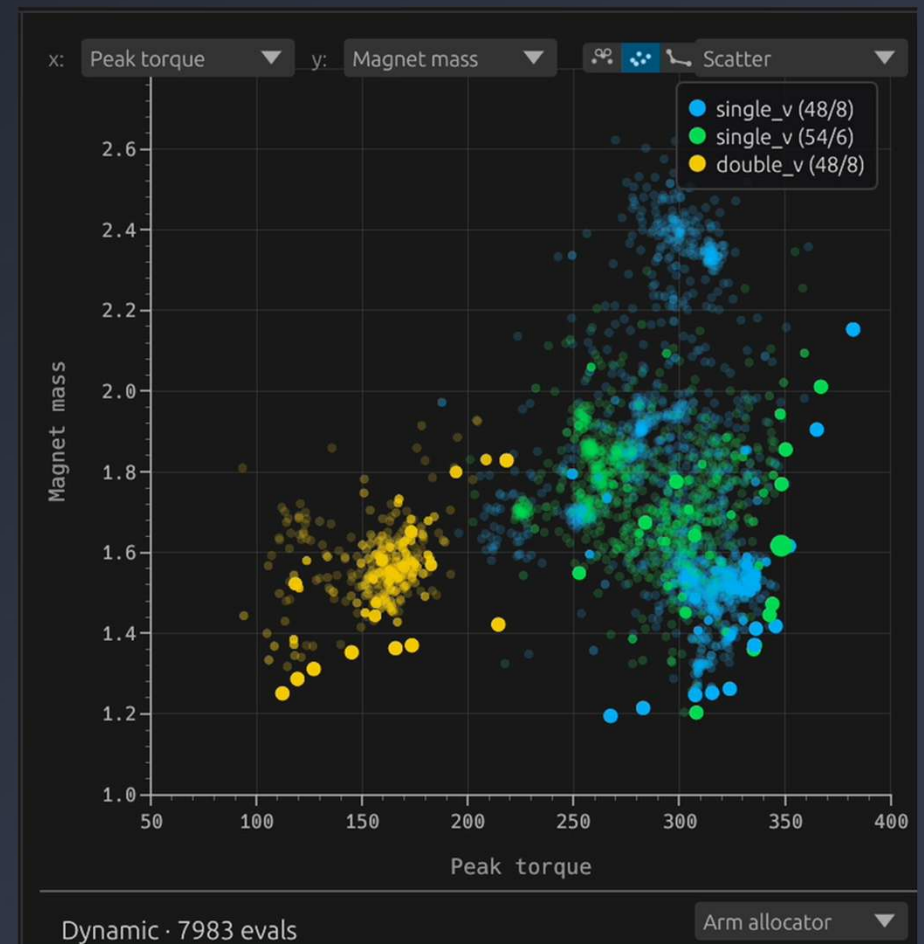
This is Monumo's Anser AI platform.

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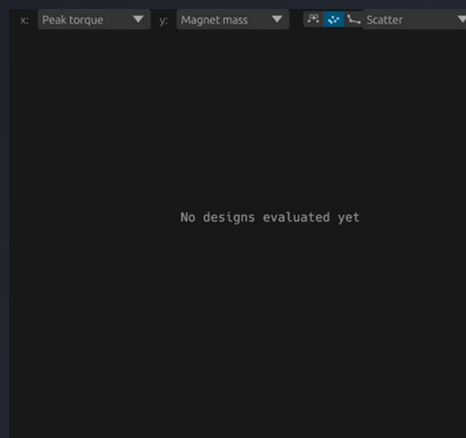
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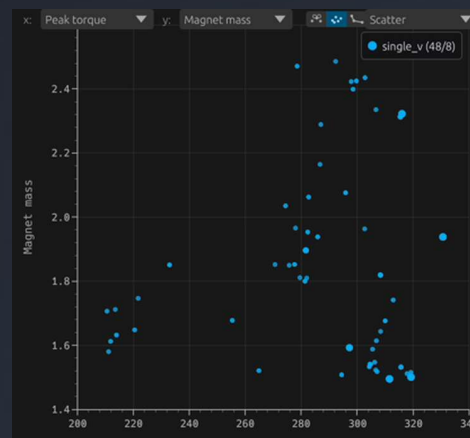


One run. 8,017 designs in 81 seconds.

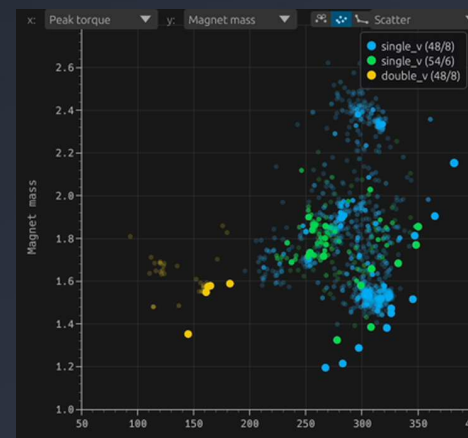
Peak torque against magnet mass. Every point is a complete e-axle design evaluated in full FEM.



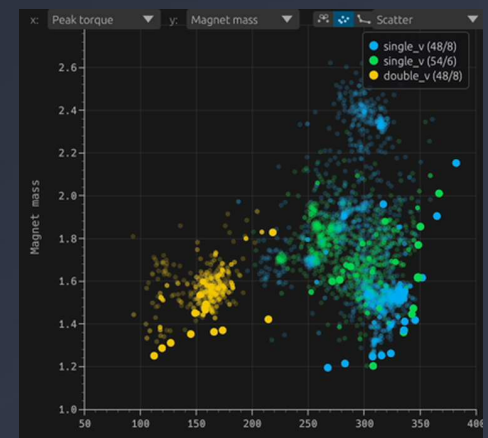
0 designs
run starts empty



2,675 evaluated
first structure appears



4,628 evaluated
three topologies separating



8,017 evaluated
4,551 met every constraint

No new lines. No exotic materials. 17–20% reduction on your bottom-line material cost.

Verified by several high-volume manufacturers, on their own designs.

17%

system cost
automotive e-axle

>20%

total material cost
domestic product motor

>20%

active material cost
industrial machine

What did not change

Same manufacturing lines

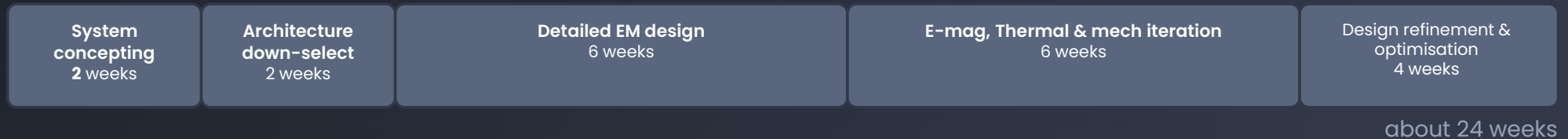
Standard electrical steels and magnet grades

What takes a team months – one engineer gets further in days.

Broad design exploration and detailed optimisation in the same pass, instead of one after the other.

Conventional programme

3 – 4 specialists, sequential handoffs



With Anser AI



WORKING ASSUMPTION: conventional stage durations are indicative of a typical e-drive A-Sample project

Monumo's Anser AI®:

Full AI native engineering tech stack

High-Precision
Multi-Physics
Simulation



Optimisation
Intelligence
(decision AI)



Physics AI
Foundation
Models

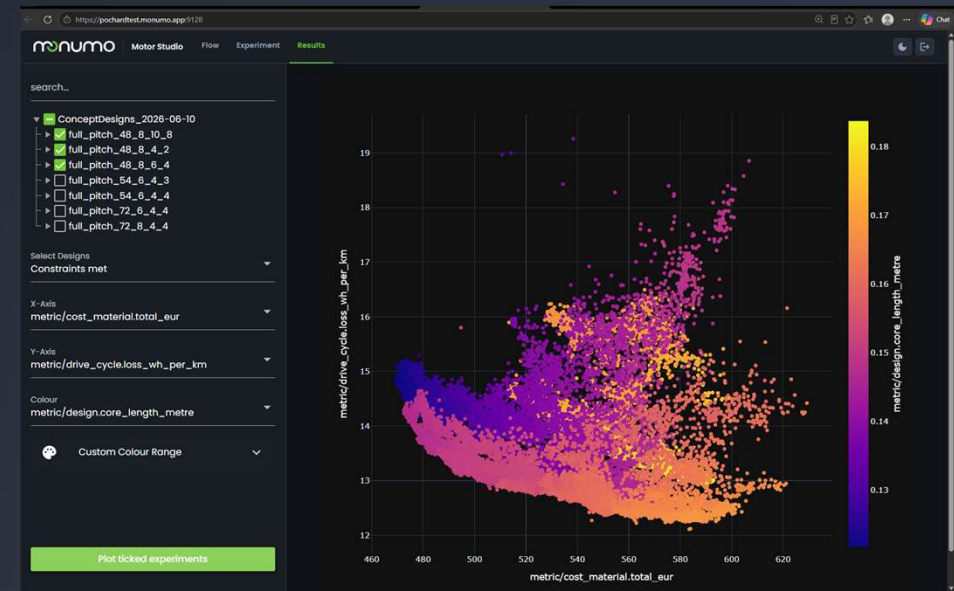
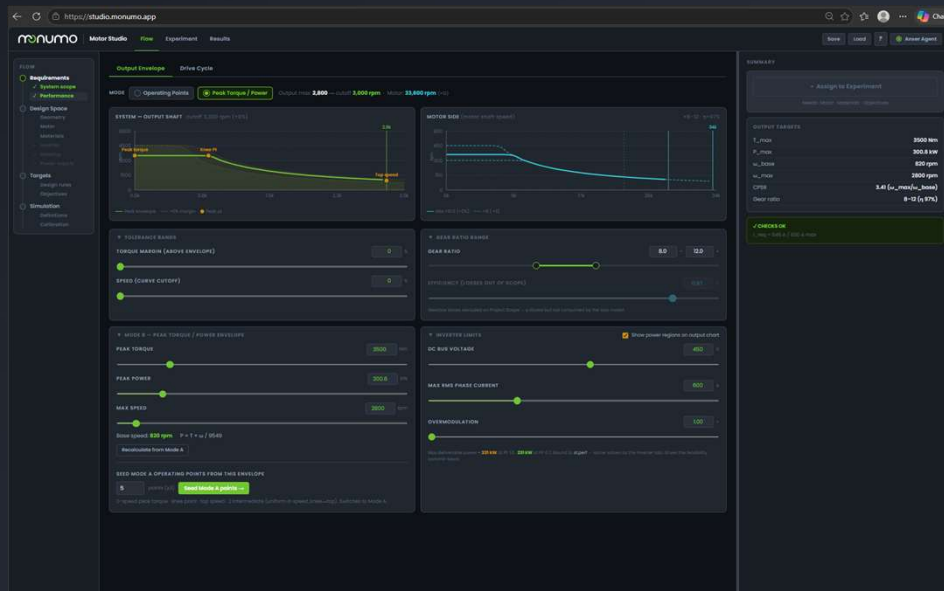


Domain
Expertise



Anser Studio

Direct access for your engineers to optimisation-driven design.



Early access 2026 for lead partners

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