H2 SUMMIT 2026 · CORK · DATA RESILIENCE & SOVEREIGNTY

PROOF, NOT PROMISE

Motorsport as a demonstration workload for hydrogen-powered computing



Serge Grisin
Motorsport, Hydrogen & Strategy

MARKETS MOVE ON CREDIBLE PROOF

- **Technology:** proven. 3 MW H_2 backup tested.
- **Demonstration:** real loads expose weaknesses.
- **Deployment:** verified performance reduces risk.
- ***Racing builds adoption, not just technology.***



02 · THE CHALLENGE

DATA CENTRES NEED RESILIENT, LOWER-CARBON POWER

Grid limits, uptime, long backup autonomy.

Batteries: instant response and transients.

Hydrogen: longer duration, instead of diesel.

9% of announced low-emission hydrogen production had reached FID

Projects wait for buyers.
Data centres can be anchor buyers.



3 · Source: IEA, Global Hydrogen Review 2025 (share of announced 2030 pipeline, not a failure rate)



03 · THE TEST BENCH

RACING: AN EXTREME REAL-WORLD TEST BENCH

Motorsport challenge	Industrial evidence
High-volume computing	Sustained power delivery
Critical race operations	Continuity and failover
Changing workloads	Dynamic load response, a new real-world load profile
Mobile, harsh conditions	Robustness and deployment
Visible deadlines	Measured operational reliability

4 · 1.1M data points per second per F1 car · ~8 TB telemetry processed trackside per race weekend · Source: Formula 1 / Lenovo



04 · THE PATH

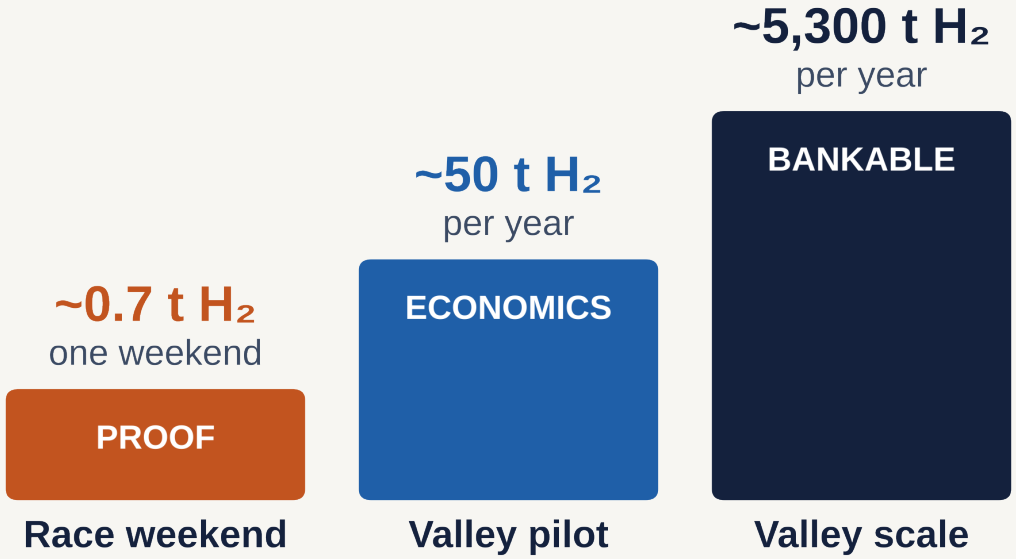
FROM ONE RACE TO AN H_2 DATA VALLEY

- **Race weekend: proof**
- 100 kW, 120 h test campaigns, stress and failover

- **Valley pilot: economics**
- 1 MW, grid support, cost tested

- **Valley scale: target**
- 100 MW, many buyers, one commitment

Racing gives the proof. The valley gives the volume.



Not to scale

5 · Illustrative figures. Source: Hydrogen Europe, Hydrogen Infrastructure for Europe's Data Centres, Oct. 2026.

05 · THE NEXT STEP

RACING PRESSURE EARNS THE RIGHT TO SCALE

- **Energy:** H_2 and clean molecules
- **Computing:** real critical workloads
- **Motorsport:** operational access and stress
- **Governance:** KPIs, data rights, review

- **Next: core group, roundtable early 2027**
- **Toward an H_2 data valley in Ireland**

