

Carlos Freire Trigo

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Spain (Valencia Area & Vigo)



Business–technology leader and engineer with a creative, cross-functional and strategic approach, connecting innovation and business growth. Focused on E/E onboard systems, batteries and electrification.

MOST RELEVANT EXPERIENCE

- **Marine E/E Systems, Innovation & Business Growth Advisor**
(2024-Today) - [carlosfreiretrigo](#)
- **Founder. Battery Consulting services.**
(2024-Today) - **Marine Battery Consulting**, Valencia & Vigo (Spain)
- **Business Technology Advisor**
(2025 – Today) - **IEMA** (International Electric Maritime Association)
- **Battery Expert & Onboard E-Systems Engineer**
(2022 – 2024) - **American Magic, 37th America's Cup**, Barcelona (Spain) & Pensacola (USA)
- **Interim COO | Maritime Business Developer Manager | BoD | Investment Partner**
(2022 – 2023) - **Abervian Product Engineering**, Castellón (Spain)
- **COO | Marine Division Manager | BoD | Investment Partner**
(2019 – 2022) - **Endurance Motive**, Valencia (Spain)
- **Owner**
(2019 – Today) - **MyVMG Group** formerly (*VMG Racing Electronics S.L.*), Valencia (Spain)
- **Senior Onboard Electronics Engineer**
(2009 – 2010) - **BMW Oracle Racing, 33rd America's Cup**, SanDiego (USA)
---AMERICA'S CUP WINNER---
- **CEO & Founder**
(2007 – 2018) - **VMG Racing Electronics S.L**
- **Onboard Electronics Systems Manager**
(2005 – 2008) - **Desafío Español, 32nd America's Cup**, Valencia (Spain)
- **Electronics Technician**
(2002 – 2005) - **Oceano S.L**, Vigo (Spain)

Other relevant projects and activities

- **European Commission, EU Grant Projects Evaluator and Blue Invest Coach**
- **Learn from Bow to Stern, Co-Founder** - *Acquired by Seably.com.*
- **EasyWind & EasyCurrents, Co-Founder** - (www.oceandrivers.com/easywind)
- **COBS. Container Overboard System, Founder** - (www.cobs.es)
- **American Magic, 36th America's Cup, Onboard Systems Engineer**
- **SailGp, Systems Engineer** - (www.sailgp.com)
- **Battery Associates, Battery MBA Lecturer** - (www.battery.associates)
- **Podcast Creator, "Tecnología y Emprendimiento sobre el Agua"**
- **EU Maritime Grants Advisory Board**

ACADEMIC RELEVANT POSITIONS & CERTIFICATIONS

- **Executive MBA in Operations Management** (*Chamber of Commerce Business School, Valencia*)
- **Bachelor's degree in Electronics Engineering** (*University of Zaragoza*)
- **Lean Manufacturing Certification** (*Lean Management Spain Institute*)
- **Procurement Certification** (*Spanish Association of Purchasing, Contracting and Procurement Professionals*)
- **Scrum Master & Kanban Certification** (*Scrum Manager*)
- **Handling a fire in a lithium-ion battery on board a ship – Advanced** (*Ocomp*)
- **Lithium-Ion Battery Safety for Superyachts & Ships** (*ABS*)
- **Networking and IT Systems Course** (*Madrid Polytechnic University - MasterD*)
- **WindPower Technical Course** (*Centro de estudios de Energías Renovables*)

DETAILED WORKING EXPERIENCE

- (2024 – Today)

Marine E/E Systems, Electrification & Business Growth Advisor

Marine & Maritime Strategy, Business, Innovation, Management, Technology and engineering advisory services.

carlosfreiretrigo.com

Key Achievements:

- ✓ Built a portfolio of relevant projects and clients, from RDi centres and leading companies to shipyards, shipowners, VC firms, or startups.
- ✓ Recognized as an industry authority and trusted voice, delivering advisory work, lectures, and high-profile speaking engagements.

- (2024 – Today)

Founder, Marine Battery Consulting

With an independent approach, marine battery consulting offers a range of expert advisory and consultancy services on lithium batteries and energy storage systems (BESS) for the marine and maritime industry. marinebatt.com

Key Achievements:

- ✓ Providing strategic advisory to leading battery manufacturers, associations, owners or shipyards on different battery system projects, market entry, product development or manufacturing strategy.
- ✓ First Spanish member of the Maritime Battery Forum.

- (2022-2024)

Lithium Batteries Expert and Onboard Electronics Senior Engineer. 37th America's Cup, American Magic

The America's Cup is the oldest international sporting trophy and remains the pinnacle of yacht foiling technology today. americanmagic.americascup.com

Key Achievements:

- ✓ Designed and manufactured a custom lightweight LV battery that resolved critical energy and safety issues from the previous campaign, ensuring consistent performance under extreme racing power and energy requirements.
- ✓ Delivering a reliable systems platform with zero breakdowns during the racing period.
- ✓ Implemented virtual design tools, process improvements and Lean methodologies during the design and pre-installation phases, enabling seamless coordination between the USA shipyard and Spain-based design team, reducing onboard system installation time and travel costs while helping meet challenging deadlines.

- (2022-2023)

Interim COO & Maritime Business Development | Investment Partner, Abervian Product Engineering

Product engineering & RDI startup delivering hardware, firmware, and mechatronics solutions in the electrical mobility, automotive and energy segments. abervian.es

Key Achievements:

- ✓ Held 10% ownership stake in the company.
- ✓ Integrated the company into three PERTE Naval and other national grants, securing over €1.5M funding.
- ✓ Introduced the company to the maritime industry, opening new market opportunities.
- ✓ Drove company initial growth, delivering 80% of total company revenue.

- (2021-2021)
Systems Engineer, SailGp
 50ft Wing Foiling Catamaran, Grand Prix Circuit. sailgp.com

Key Achievements:
 - ✓ Reduced idle and non-productive time by 3 hours daily through process redesign and streamlined operations.
- (2019 – 2022)
COO | Marine Division Manager | BoD and Investor Partner, Endurance Motive
 Lithium battery manufacturer for the industrial, stationary, marine, and e-mobility segments.
endurancemotive.com

Role: Chief Operating Officer (COO)
Key Achievements:
 - ✓ Key driver in the company's BME Growth Stock Market listing through rapid operational and organisational build-up.
 - ✓ Deployed and Scaled operations to support revenue growth from €100K to €4M in 1,5 years.
 - ✓ Implemented ISO 9001:2015, Lean Manufacturing, and Continuous Improvement initiatives, increasing operational efficiency and ensuring quality compliance.
 - ✓ Completed factory relocation in one day with minimal downtime (1 day production, 4 hours engineering).
Role: Marine Division Manager
Key Achievements:
 - ✓ Established the Marine Division in the maritime battery market.
 - ✓ Led LV battery definition, design and production project for marine applications.
 - ✓ Led the development of a commercial-sector HV battery project and its related grant submission.
 - ✓ Secured a strategic hybrid barge project by developing a bespoke LV battery solution tailored for inland water tourism vessels.
- (2021 – 2023)
Founder, COBS (Container Overboard System)
 COBS alerts, identify, track & trace lost containers and keep them afloat to be rescued. cobs.es

Key Achievements:
 - ✓ Ports 4.0 Idea Stage Grant
 - ✓ Climate Launchpad Winner Spain
 - ✓ Climate Launchpad Winner Europe – “The Next Big Thing” category
- (2020 – 2021)
Co-Founder, LearnBS (Learn from Bow to Stern)
 e-learning marketplace for yachting lovers, professional seamen, skippers, race crews and more.

Key Achievements:
 - ✓ Project idea and business strategy
 - ✓ Exit: Acquired by Seably.com in 2021
- (2019 – Today)
Owner, MyVMG Group
myvmg-group.com
 MyVMG Group builds on the legacy of VMG Racing Electronics (2007–2019), a globally recognized leader in high-performance yachts and sail racing systems projects. Leveraging over a decade of innovation, technical excellence, and trusted client relationships, MyVMG brings together companies, projects, initiatives, and ventures led and shared under the VMG structure.

Key Achievements:

- ✓ Invested in multiple high-impact startups (including Demium, Endurance, NeoCheck, Arkadia Space, Titanium Technologies, Abervian, CoCircular, Proteus Innovation, among others).
- ✓ Launched and participated in own- and third-party ventures (such as LearnBS, COBS, Easy Wind, Easy Currents, Endurance, Abervian, and ESea Propulsion).

- (2007 – 2018)

CEO & Founder, VMG Racing Electronics S.L

Marine advanced electronics and electrical systems, communications, engineering, and integration company for racing and high-performance yachts.

Key Achievements:

- ✓ Achieved profitability from year one, reinvesting earnings to fund expansion.
- ✓ 33rd America's Winner within BMW Oracle Racing team (2009-2010)
- ✓ Positioned VMG among the top five companies worldwide in its niche.
- ✓ Supplied E/E systems for 95% of the TP52 fleet over a decade, starting from a single boat.
- ✓ Defined the full onboard systems concept for the Nautor Swan 125.
- ✓ Created the first dedicated regatta support service for the 52Superseries.
- ✓ Applied lean process engineering, reducing onboard installation times by over 50%.
- ✓ Developed proprietary products, including EasyWind, EasyCurrents, Inclinator and a HatchSeal air sealing system.
- ✓ Shifted the primary business model from 60% labour-based revenue to materials sales, scalable retrofit projects, and selected flagship special projects.

- (2005 – 2008)

Electronics and Electrical onboard systems manager, Desafío Español 2007 (32nd America's Cup)

Key Achievements:

- ✓ 32nd America's Cup Semi-finalist.
- ✓ Gp42 Navigator.
- ✓ Tp52 project systems definition and Installation.

- (2000 – 2022)

Professional Sailing, Navigator Role

As a professional sailor, I have competed in prestigious circuits and classes such as IMS, Swan45, Soto 40, GP42, Wally, or TP52 among others. Typically serving as Navigator, I was responsible for instrument calibration, understand and provide the information of the buoys, routes, wind conditions, laylines and performance data to the strategist and tactician mainly, so they take the right decisions.

Key Achievements:

- ✓ 5x Copa del Rey Winner.
- ✓ 2nd Soto40 World Championship.
- ✓ 2x Soto40 European Championship Winner.
- ✓ 2x GP42 European Championship Winner.