

Guy Ativon

Global Executive

Sustainability Senior Engineer
Maritime Technology and Energy
Innovation Training



LinkedIn : **Guy Ativon**
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Mobile Phone : **+33.6.77.02.55.26**
Nationality : **French**
Family : **Married, 3 Children**
Date of birth : **February, 11th, 1972**

Professional Profile

Electrical engineer with over 30 years of experience in marine electric propulsion systems, renewable energies and artificial intelligence. Specialized in the modernization of onboard electrical networks, digital twins and immersive training. Proven experience in innovation project management and development of advanced technological solutions. Recognized leadership in leading complex projects, collaborating with marine research centers and creating predictive and immersive solutions for the maritime industry. Commissioning, sea trials and repair of military, merchant and cruise ships. Seafarer Navigation Certificate N° 103 743 with sailing accreditation.

Professional Experiences

High Voltage Electrical Network Digital Innovation | **Consult-Elect**

Technical Director Marine Montreal (Canada) 2023 - 2025

Service contract with Consult-Elect Group

- Steering of strategic AI projects and modernization of electrical systems for the maritime energy transition: Development of an intelligent electronic box for predicting failures on high-voltage circuit breakers : Sustainability project development focused on EEXI et CII prototype Canadian Vessel in operation.
- Development of immersive solutions for training internal engineers and ship crews: Creation and management of a technical training center dedicated to maritime electrical networks.
- Collaboration with research marine centers for the integration of digital twins in predictive maintenance: Université Polytechnique de Montréal, Department of Electrical Engineering, Computer Science and Software.
- Business development : Expansion of the marine market for on-board electrical network systems for cruise ship owners.

Major Achievement : 3D Simulator for the Canadian Navy | **General Electric**

Founder CEO Belfort (France) 2018 - 2023

Service contract with General Electric Group

- Technical training to ensure the sustainability of the marine traffic environment in the Arctic.
- EEV Design Development Plan and deployment of an immersive 3D training simulator for military crews.
- Integration of advanced educational scenarios and AI for realistic training.
- Contribution to the improvement of training and decision-making processes on board.

Other notable missions and projects | **Marine Technology Solutions**

Founder CEO Belfort (France) 2005 - 2020

Maintenance and Technical Aid contract with Shipowners

- Assistance for project management and Expertise for electrical and propulsion system troubleshooting
- Assistance for project management for Dry-Dock Technical Electrical and Propulsion system follow-up
- Active monitoring of market trends with the requirement of STCW and SOLAS marine standards, the product and system needs of customers are continuously measured. Solutions always adapted to the market.
- Supply of Electrical and Electronic spare parts for ship

Theses services was done on board vessels or shipowners offices for several years among others :

- Oceania Cruises : Regatta, Insignia, Nautica
- Carnival Maritime : Costa neo-Riviera
- Ponant : Paul Gauguin
- RCG Group : Rccl Vision Class Ship, modernization of the P1200 monitoring system, Rccl Millenium Class Ship, Mermaid Pod replacement in wet dock, Azamara Vessels technicals service at dry-dock.
- Studies and implementation of ship decarbonization and shore power solutions for CMA-CGM Vessels in Los Angeles port terminal inside ships containers.

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Other notable missions and projects | General Electric Power Conversion

After sales technical manager - LifeCycle Services Belfort (France) 1998 - 2005

- Studies and realization of projects on installation in after-sales service
- Troubleshooting and maintenance on electrical power conversion systems
- Training of engineering staff and marine officers on production systems and electric propulsion
- Obsolescence studies and supply of spare parts no longer present on the market
- Leader of a team of highly experienced engineers

Engineering, commissioning and customer relations Belfort (France) 1995 - 2001

Studies, sizing of electrical systems, technical manager of power conversion projects, electric propulsion, start-up of combined cycle and hydroelectric power plants by static frequency converters, Studies of systems and equipment for analog and digital conversions

Other notable missions and projects | PSA Peugeot-Citroën

Technician Sochaux (France) 1993 - 1995

- Studies and maintenance on motor conveyors for final assembly

Key Skills

- **Innovation & R&D** : Digital twins, artificial intelligence, immersive training.
- **Electrical systems & energy** : Electric propulsion, energy storage, hybrid networks, sustainable energy efficiency.
- **Naval & maritime** : Modernization of embedded systems, predictive maintenance, safety.
- **Leadership & project management** : Innovation strategy, supervision of multidisciplinary teams.
- **Training & pedagogy** : Design of immersive modules, advanced simulation.

Training & Certifications

- **Electrical Technician**
Electrical Engineering IUT (1991 - 1993)
- **Electrical Engineer**
Alstom University IUT (1995 - 1998)
- **Educational technology Engineer**
Université Sorbonne Paris (2003 - 2004)
- **IESF Certification**
Ingénieurs et Scientifiques de France (2024)
- **Basic and advanced High Voltage certifications** on board
Ecole Nationale Supérieur Maritime (2025)

Languages & Tools

- **Languages** : French (native), English (fluent).
- **Tools & technologies** : Simulation software, immersive training platforms, energy solutions.

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ANNEXES



Innovation & Technology Studies

- Simulation adaptive training path and prototype design by AI with the Polytechnic University of Montreal Department of Computer Engineering and Software on digital twins of ships | [Montréal 2025](#)
- Conference speaker on digitalization and maritime energy optimization | [Miami 2022](#)
- Founder of mts company is the result of an approach to remove uncertainties on the processing of geometric modules of 3D data and the positioning of objects in space inside Vessel Digital Twin. Executive CEO, I supervised a PhD student Mr. Akram SALEM as part of a CIFRE contract with the support of the University of Franche-Comté and the C3S laboratory (EA4660) | [Belfort 2005 - 2009](#)
- Founder of numeri4D company, which became Allucyne, continued the R&D and innovation work. Without interruption, since 2011, a rescript agreement by the administration and confirmations of research tax credit with complete technical files of studies on the uncertainties to be lifted on several Research and Development and Innovation projects. I lead as Executive CEO | [Belfort 2009 - 2023](#)
- Several innovative projects carried out such as the first developments of augmented reality, virtual reality, mixed reality, learning strategy and intelligent data processing software projects. The latest topics are the R&D projects within the framework of the 2030 Recovery Plan concerned educational strategies in national education and in the french navy program. The most characteristic R&D project, Vaux devant Damloup, Verdun. The reconstruction of a village destroyed during the Great War. Several challenges, and technological, and technical, and historical, and education, and war memory which has served marine projects | [Belfort 2005 - 2023](#)