



Vito Pesare

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WORK EXPERIENCE

EW INSTRUCTOR – LOG-IN S.R.L – 01/09/2025 – 19/09/2025 – ROME, ITALY

-Delivered an Electronic Warfare course for Italian Army Cyber Operators

ELETTRONICA SPA – ROME, ITALY

EW INSTRUCTOR – 06/02/2025 – 15/03/2025

- Delivered an Electronic Warfare course for Qatari Navy EW Operators

FREE LANCE ELECTRONIC WARFARE INSTRUCTOR – 20/05/2021 – Current

Delivering advanced training in Electronic Warfare, with a specialized focus on communications jamming, radar jamming and jamming of Unmanned Aerial Vehicles (UAVs).

ELECTRONIC WARFARE SUBJECT MATTER EXPERT – L3HARRIS – 10/10/2020 – 12/05/2021 – ABU DHABI, UNITED ARAB EMIRATES

-EW SME (Electronic Warfare Subject Matter Expert) Consulting

- **Role:** Consulting on systems architecture design and integration for large-scale complex projects.

- **Key Responsibilities:**

- Defined integration requirements for UAE C4ISR projects, encompassing design, development, implementation, platform integration, and networks for Command and Control Centers.
- Enhanced client satisfaction ratings by effectively resolving complex customer issues through to completion.
- Implemented and developed ongoing program initiatives through effective communication and collaboration.

ELECTRONIC WARFARE SUBJECT MATTER EXPERT – ELETTRONICA S.P.A. – 09/01/2018 – 10/12/2019 – ROME, ITALY

Planning training programs for the Qatar Navy: Developed and built EW (Electronic Warfare), ELINT (Electronic Intelligence), COMINT (Communications Intelligence), and ISR (Intelligence, Surveillance, and Reconnaissance) scenarios.

Maintained excellent working knowledge of industry trends: Provided impeccable support to end-users.

Maintained relevant qualifications: Ensured optimized training and development.

Utilized multilingual expertise: Improved communication skills, resulting in positive customer feedback.

Improved team efficiency: Trained and mentored individuals through diligent team meetings and goal-setting sessions.

ELECTRONIC WARFARE SUPERVISOR/BATTLE WATCH OFFICER – ITS CVA CAVOUR – 01/08/2011 – 01/09/2015 – TARANTO, ITALY

Responsible for Electronic Warfare (EW) and Operational Intelligence

- **Key Responsibilities:**

- Coordinated asset and personnel allocation for tasks including Information Assurance, Maritime Counter-Terrorism, Operational Sea Training, and individual training support.
- Managed operational deployments for anti-piracy missions in the Gulf of Aden and Somali Basin.
- Developed and planned Electronic Warfare strategies for real missions within the Command Task Force (CTF) context.
- Supervise, Update and manage the Emitter Database
- Served as Battle Watch Officer, supervising and managing combat operations in real-time.
 - Maintained constant communication with operational units, field commanders, and higher command centres.
 - Allocated and redistributed resources and personnel as operational needs demand.
 - Monitored and analyzed potential threats using radar, sonar, intelligence systems, and surveillance technologies.
 - Made quick decisions to neutralize identified threats.
 - Prepared and presented detailed operational reports to higher command.
 - Directed emergency responses and coordinated rescue and damage control actions.

- **Achievements:**

- Excelled in a fast-paced, dynamic, and evolving work environment.
- Organized ongoing maintenance schedules to enhance system performance.

- Led a team of 10 service professionals focused on Electronic Warfare.
- Monitored priorities and facilitated communication between the maintenance team and management, ensuring timely task completion.
- Supervised equipment, tools, and system upgrades, compiling data into detailed reports for upper management.
- Performed immediate troubleshooting and repairs, accurately diagnosing system faults.
- Training and mentoring members through regular team meetings and goal-setting sessions enhanced team efficiency.

TRAINING AND DEVELOPMENT COORDINATOR – COMMAND CHIEF OF STAFF ITALIAN NAVY FLEET | – 01/08/2004 – 01/05/2008 –
ROME, ITALY

EW Training Supervisor, Command in Chief of the Navy (CINCPNAV), Rome

- **Role:** Supervisor and evaluator for Electronic Warfare training within the fleet's Electronic Warfare Unit.
- **Key Responsibilities:**
 - Planned and executed training programs for the Italian naval fleet both at sea and in port.
 - Reviewed and updated existing training materials, methodologies, and content to reflect current operational needs.
 - Cooperated with the Italian Navy Training Center to organize appropriate training programs addressing emerging educational needs.
 - Enhanced the digital skillset of 1,500 employees by creating relevant training opportunities to target knowledge gaps.
 - Conducted thorough evaluations of operational objectives and tactics, enforcing necessary improvement strategies.
 - Supervise, update and manage National Emitter Database

TRACSVAN TEAM LEADER (CAPTAIN) – NATO JEWCS (JOINT ELECTRONIC WARFARE CORE STAFF) | – 01/07/2008 – 01/08/2011 –
YEOVILTON, UNITED KINGDOM

-TRACSVAN Captain (Transportable Radar Communications Simulation & Jamming Van) at NATO JEWCS (NATO Joint Electronic Warfare Core Staff), Yeovilton (UK)

- **Role:** TRACSVAN Captain responsible for providing Electronic Warfare (EW) training, including on-field radar simulation, communications and radar jamming.
- **Key Responsibilities:**
 - Managed the project for the new Simulator and Jammer.
 - Provided leadership and direction to employees, supervising activities to enhance productivity and efficiency.
 - Generated live through-the-air threat simulations for training EW teams.
 - Designed radar and communications jamming techniques to train soldiers, sailors, and airmen to recognize and counter-jamming.
 - Conducted data analysis of the electromagnetic (EM) spectrum to evaluate the effectiveness of training activities.
 - Created live radar simulations to train EW operators in signal recognition.
 - Developed Continuous Wave (CW) and Digital Radio Frequency Memory (DRFM) radar jamming techniques to train radar operators for multi-threat awareness.
 - Fostered positive employee relationships through effective communication and training.
 - Provided performance reviews and exercise feedback to ensure the achievement of results.

EW INSTRUCTOR & SEA RIDER – ITALIAN NAVY ADVANCED TRAINING CENTER – 01/04/1999 – 01/08/2004 – TARANTO, ITALY

- **Role:** Instructor in Electronic Warfare and Sea Rider for Advanced Training Operations.
- **Responsibilities:**
 - Delivered comprehensive training covering all aspects of Anti-Ship Missile Defence.
 - Instructed courses for both Officers and Non-Commissioned Officers (NCOs).
 - Led advanced training courses for Pre-command Officers and Senior NCOs assigned as Electronic Warfare Supervisors on Italian fleet vessels.
- **Achievements:**
 - Recognized and awarded as an Excellent Instructor.

EDUCATION AND TRAINING

01/04/1999 – 01/08/2004 Taranto, Italy

ELECTRONIC WARFARE TOP SPECIALIST MARICENTADD TARANTO (Italian Navy Training Center)

Website www.marina.difesa.it

Oberhmmergau , Germany

NATO TARGETTER NATO School Oberhmmergau

10/09/2001 – 11/07/2003 Palagianò, Italy

ITALIAN UPPER SECONDARY SCHOOL DIPLOMA

Field of study Inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs) |

Level in EQF EQF level 4

● **SKILLS**

Outlook | Microsoft Word | Microsoft Excel | Zoom | Microsoft Office | Skype | MICROSOFT VISIO | Microsoft Powerpoint

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C1	C1	C1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **PUBLICATIONS**

2026

[ELECTROMAGNETIC COUNTER MEASURE ALL YOUR NEED TO KNOW](#)

Electromagnetic Counter-Measures is a practical and accessible introduction to the world of Electronic Warfare, written for operators, junior analysts, engineers, and professionals approaching the discipline for the first time.

Building on the foundations laid in the author's previous works on Electromagnetic Warfare and COMINT, this book focuses specifically on Electronic Counter-Measures (ECM) as they are applied in modern operational environments. The approach is deliberately clear and pragmatic: concepts are explained without excessive mathematics, avoiding unnecessary theoretical complexity and concentrating instead on how ECM works, why it is used, and what effects it produces in real scenarios.

The book covers Radar ECM, Communication ECM (including modern digital and mobile communications), and Counter-UAV ECM, treating each domain as part of a single, coherent electromagnetic battlespace. Emphasis is placed on principles, techniques, and operational logic rather than on platform-specific or classified details. All material is derived exclusively from open-source information, ensuring transparency and suitability for training and educational use.

Rather than presenting ECM as an abstract or purely technical subject, the text connects theory with operational reality, highlighting strengths, limitations, and trade-offs that operators and decision-makers must understand. The result is a solid starting point for anyone seeking to understand how electromagnetic counter-measures shape today's conflicts and why control of the electromagnetic spectrum has become a decisive factor in modern warfare.

Authors: VITO PESARE

Link <https://amzn.eu/d/0bikcUIN>

2025

[COMINT All your Need to Know](#)

This book marks the latest milestone in the All You Need to Know series, with three additional volumes to follow. It was written with a clear purpose: to bring clarity, depth, and accessibility to the world of Communications Intelligence (COMINT). In an era where warfare is becoming increasingly silent, digital, and invisible to the naked eye, COMINT remains one of the most powerful tools in modern intelligence. It listens where others see. It decodes what others miss. It protects, not with armour or missiles, but with information.

Staying true to the didactic spirit of the series, this book avoids unnecessary mathematical complexity and instead offers a narrative approach, rich in operational context and historical depth. It is crafted for young engineers, analysts, and operators entering the field of electronic warfare and SIGINT, providing them with the conceptual tools to understand, anticipate, and counter the hidden dynamics of modern conflict.

Readers will journey through the origins and evolution of COMINT, from telegraph intercepts in the 19th century to AI-driven spectrum analysis in today's cognitive warfare environment. They will gain a foundational understanding of electromagnetic propagation, signal interception, and the structure of analogue and digital communications. Topics such as modulation recognition, emitter geolocation, direction finding, tactical network reconstruction, and COMINT system architecture are all explored with practical insight. The book also includes historical case studies from the decisive role of COMINT at the Battle of Midway to Cold War SIGINT stations and modern UAV-centric interception platforms, highlighting how silent signals have shaped the outcomes of wars. here the description...

Link <https://amzn.eu/d/dy2MFPG>

2024

ELECTROMAGNETIC WARFARE ALL YOUR: NEED TO KNOW

In the dynamic and evolving field of Electromagnetic Warfare (EW), where control over the electromagnetic spectrum is critical, the knowledge and experience of seasoned experts become invaluable. This book offers a unique blend of operational insight and technical expertise, drawing from my experiences as an Electromagnetic Warfare Specialist in the Italian Navy and enriched by the contributions of Dr. Richard Rudd-Orthner, a renowned EW and ISTAR Campaign Solution Architect.

Our collaboration brings together deep operational experience with cutting-edge technical knowledge, ensuring that this book offers both a solid foundation in EW principles and an exploration of the latest advancements in technology and strategy. Dr. Rudd-Orthner's expertise has been instrumental in shaping the content, making this handbook an indispensable guide for current and aspiring EW operators.

Covering the history, technologies, and tactics of EW, along with future trends and challenges, this comprehensive guide aims to demystify the complexities of EW for readers. Whether you are new to the field or an experienced practitioner, this book will provide the insight and tools needed to understand and excel in the ever-changing landscape of Electromagnetic Warfare.

Mr. Vito Pesare (Autore), Dr. Richard Rudd-Orthner PhD

2023

A Naval Combat Management System Architecture to Enable Cognitive Electronic Warfare in Platform Protection

Write here the description...his paper presents an architecture for a Naval Combat Management System (CMS) considering Electronic Warfare (EW) with Artificial Intelligence (AI) toward a combat environment against modern hypersonic and low observability threats where reaction times may be short and require automation. It uses an example countermeasure case study as a data requirement, with auctioned sensor tasking, AI processes, and data fusion for cognitive composite sensing. The paper also highlights critical cognitive Electronic Warfare capabilities already published to justify the architecture. The architecture orientates toward replacing a human Decision Maker (DM) with a high reaction time automated AI-powered cognitive DM.

March 2023 DOI: 10.13140/RG.2.2.31979.00809 LicenseCC BY-NC-ND 4.0

Link <https://www.researchgate.net/publication/>

[369766581_A_Naval_Combat_Management_System_CMS_Architecture_to_enable_Cognitive_Electronic_Warfare_in_Platform_Protection](https://www.researchgate.net/publication/369766581_A_Naval_Combat_Management_System_CMS_Architecture_to_enable_Cognitive_Electronic_Warfare_in_Platform_Protection)

The rise of the Generic Threat, as a Proactive Generic Countermeasure, and the ECM Codec

WGeneric Threats are non-specific threats that are regularised classification generalisations of threat groups where their discrimination of signatures and behaviours allow a threat unseen to be predicted without being experienced first. Traditionally, threat-template signatures, countermeasure tactics (ploys) and initiators are prepared in advance and based on a prior capture of collected data. Nevertheless, that captured data is likely incomplete for that threat when a tactic is fielded and for unseen possibilities, such as war modes. Generic threats are thus threat predictions based on a regularised classification generalisation, and the concept is known and well understood in cybersecurity, which allows a countermeasure to be proactive rather than reactive for the unseen threat. As such, a countermeasure can be deployed on the first encounter, countering the element of surprise. Traditionally, data is filtered and processed into information, exploited, and analysed to form the intelligence, the recognisable discriminating characteristics, and the threat system vulnerabilities to exploit. Then, it is disseminated onto countermeasure equipment to defend it from susceptibility. That intelligence cycle enables the programming of protection equipment. This cycle is known as Electronic Warfare Operational Support (EWOS). Proposed within this paper is the use of Threat Descriptions for Generic Threats, Electronic Countermeasure (ECM) and tactic representations that help to enable Cognitive ECMs within an architecture that allows the adaption on the fly rather than through the more extended prior preparation EWOS cycle.

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Link <https://www.researchgate.net/publication/>

[369766581_A_Naval_Combat_Management_System_CMS_Architecture_to_enable_Cognitive_Electronic_Warfare_in_Platform_Protection](https://www.researchgate.net/publication/369766581_A_Naval_Combat_Management_System_CMS_Architecture_to_enable_Cognitive_Electronic_Warfare_in_Platform_Protection)