

GEORGE E. VALIAKAS

Senior Technology, Defence & Enterprise Integration Executive

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EXECUTIVE PROFILE

Entrepreneur, engineer and senior executive with four decades of leadership across defence, aerospace, telecommunications, advanced electronics, manufacturing and international operations. Founder and long-serving CEO, COO and CTO with direct responsibility for strategy, financing, technology, quality, production, government relations and complex international programs.

CONTRIBUTION: ASSOCIATIVE AND COMBINATORIAL THINKING.

**Bridging the Gap between cutting-edge technology and next-generation market realities.
DELIVERING SUSTAINABLE GROWTH**

CORE ADVISORY & EXECUTIVE CAPABILITIES SUMMARY

Enterprise & growth	Strategy, organizational integration, capability development, process optimization. Succession and Leadership creation.
Technology & innovation	Rapid synthesis of emerging technologies and existing capabilities. Product conception. HW/SW. Avionics, Electronics, AI, IT and Obsolescence Mitigation.
Defence & government	Four decades across Engineering, Production, Ministry-level coordination, Classified programs, Compliance and Certification.
Commercial & financial	International negotiations. US \$bond financing, €EU funding. International Alliances. B2B/B2G sales and stakeholder management.
Quality Assurance & execution	Complex-program leadership. NATO, AQAP 110 and ISO systems. DFARS Compliance consulting. Testing, Production, Delivery/Shipping.

CAREER HIGHLIGHTS

- Founded and led Uptek S.A. Systems Innovations, building its strategy, international alliances, financing, quality systems, production capability. Established North American subsidiary.
- Designed, certified and manufactured defence and aerospace systems: Exocet fire-control computer upgrade, avionics for Mirage 2000, A-7 and F-4 aircraft. CL-415 night-vision cockpit conversion.
- Upgraded cryptographic systems and IT aboard 17 Hellenic Navy ships. Designed NATO airfield automation and its secure communications. Developed and supplied 75,000 electronic artillery fuzes for 4", 155 mm, and 8" Spin Stabilized Cargo Ammunitions.
- Delivered: Telecom infrastructure upgrades benefiting more than one million subscribers. Remote energy-management systems for the Public Power Corporation.
- Approved supplier of Bombardier Aerospace, under a US\$ 25 million offset contract. Co-founded HellasCom S.A. with OTE, by invitation. Work on five patents across telecommunications, defence and battery electrochemistry.

FURTHER INFORMATION

PROFESSIONAL EXPERIENCE

Founder, President & CEO | Uptek S.A. Systems Innovations | Athens | 1996–Present

- Set mission, strategy, policies and growth priorities. Established alliances and senior relationships with government, military, industrial and private-sector organizations.
- Led organizational development and restructuring. Recruited executives. Established measurable performance and continuous improvement culture. and delegated responsibility.
- Financed expansion through international bond-loan financing. Established a North American subsidiary. Developed commercial and technological synergies with international partners.
- Promoted to OTE Greece-Wide Vehicle and Moving Assets Location, in Pre-GPS environment.
- Negotiated major domestic and international contracts. Reported to the Board, public authorities and supervising bodies. Implemented quality, compliance and security-awareness systems.

COO & CTO | Uptek S.A. Systems Innovations | Athens | 1986–2003

- Directed engineering, technology, quality, production, procurement, logistics, IT, sales and support, across defence, telecom, avionics and commercial sectors.
- Managed programs from concept through certification, production and life-cycle support. Introduced process analysis, continuous and measurable status monitoring, and practical production improvements.
- Developed telecom solutions that increased OTE revenue and service quality. Established internal leadership-development practices and centers of excellence.

Co-Founder, by invitation, with OTE of HellasCom S.A. | Europe & Middle East

- Helped establish an international technology-provider venture serving European and Middle Eastern operations.

SELECTED TECHNICAL & DEFENCE PROGRAMS ACROSS INDUSTRIES

Exocet / Hellenic Navy: Designed, prototyped, tested, certified and manufactured a missile fire-control computer upgrade for Fast Missile Boats.

Hellenic Air Force avionics: Designed and delivered avionics for Mirage 2000, A-7 Corsair and F-4 bomb-release electronics. Developed an approved CL-415 night-vision cockpit conversion with an Israeli partner.

Cryptography / Hellenic Navy: Upgraded cryptographic systems and IT on 17 ships. Developed custom interfaces by reverse engineering them, for Raytheon crypto-modem equipment.

NATO airfields / Artillery: Designed and installed secure PCM communications, command-and-control, and airfield automation. Designed electronic time and multi-role cargo-ammunition fuzes.

Airbus Helicopters: Designed and built a complex Helicopter energy-harvesting system, by converting heat-exhaust energy into usable electrical power, minimizing fuel needs. Obtained the required approval.

Integrated circuits: Identified faults in a Motorola telecom IC, Motorola withdrew and redesigned wafer. Designed EU- and -internally funded ICs. Liaised with foundries. Embedded Industrial Software in Intel ICs. Designed Fail-Safe computing principle, IC implementation manufactured by Fraunhofer Austria Research Institute.

Bombardier Aerospace: Manufactured avionics as an approved supplier under a US\$25 million offset contract. Improved life-cycle performance through end-product Quality.

TELECOMMUNICATIONS, INFRASTRUCTURE & INDUSTRIAL SYSTEMS

- Designed, secured approval for and manufactured digital upgrades for OTE Northern Telecom, Siemens and Pentaconta central offices, improving Quality of Service and Availability for more than 1 million subscribers, according to Trans-Atlantic Successful Call Attempts traffic statistics by AT&T.
- Designed hardware and software and manufactured remote power-management receivers for the Public Power Corporation. Designed and manufactured electronic power ballasts for Hellenic Railways.
- While studying at Pratt Institute, N.Y.: Developed and operated IT solutions for Wall Street trading companies. Established a professional-effects company for Broadway theatres.
- Won second prize in the IEEE Eastern US student competition on electronics, by designing a jam-resistant, 7+1-channel remote-control system for UAVs.

APPOINTMENTS & PROFESSIONAL STANDING

- Sworn Expert and Assessor in aerospace, electronics, AI, IT, energy and defence, appointed by the Athens Chamber of Commerce and Industry.
- Technology Expert Consultant to Reuters, by invitation; engineering and marketing consultant, management instructor and quality assessor.
- Former General Secretary, Hellenic Association of Electronics Manufacturers. Author and Instructor of telecommunications seminars for industry executives and Ministry of Defence specialists.
- Member, IEEE Systems, Man, and Cybernetics Society, and IEEE Aerospace and Electronic Systems Society.

EDUCATION

- Bachelor of Science in Electrical Engineering — Pratt Institute, New York, USA.
- Postgraduate Program in Engineering Management — Scientific Applications, Munich, West Germany / Kifissia branch, Greece; supervised by Dr Panagiotis Delmouzos.

ADDITIONAL INFORMATION

- External Board service: Philocosmy Association, NGO/NPO, presided over by NTUA Professor P. Paraskevopoulos.
- Interests: rafting, mountain hiking, woodworking, fine winemaking and precision egg boiling.

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