

Gino Natali

Co-Founder & CTO, Apollo Generators

Nuclear Engineer

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65	2	9 yrs	2027
PEOPLE AT APOLLO	COMPANIES CO-FOUNDED	NUCLEAR ENGINEERING	FIRST SEABED DEMO

Leadership

- Building engineering organizations
- Hiring and team structure
- Technical strategy and product roadmap
- Engineering standards and toolchain
- Technical case for investors
- Mergers and team integration
- Supplier partnerships and export control

Technical depth

- Radioisotope power systems (RTGs)
- Reactor physics and neutronics
- Radiation transport and shielding
- Decay heat and isotope production
- Thermal-hydraulics
- Nuclear software and V&V

Education

2015 – 2018

Nuclear Engineering

Instituto Balseiro

Thesis at INVAP: “Conceptual design of a MSR core”.

Languages

Spanish (native), English (fluent)

Profile

Co-Founder and CTO of Apollo Generators, a 65-person company developing radioisotope power systems (RTGs) for long-life autonomous power in extreme environments.

I took Apollo’s engineering from the first RTG designs and investor models to a full Product and Engineering organization, and co-founded a second company, Salomea Solutions, that is now part of Apollo. Building companies turns out to come naturally to me: finding the right people, giving them structure and standards, and getting hard technology built.

That rests on nine years of nuclear engineering across INVAP and Westinghouse, covering radioisotope production, fuel methods and reactor physics. I can lead technical teams from the inside and hold my own in the details.

Experience

Co-Founder & Chief Technology Officer

2025 – present

Apollo Generators Inc. · Remote

Radioisotope power systems for long-life autonomous power in extreme environments, starting with subsea applications.

- Created the original RTG system designs, and the 3D models and simulations that showed investors the product’s technical viability in the first funding round.
- Built the Product and Engineering organization from scratch, defining roles, hiring and structure, as the company grew to 65 people.
- Set the engineering standards and protocols, and selected the design and simulation toolchain.
- Lead the technical program toward the first seabed demonstration system, planned for early 2027.

Co-Founder & President

2025

Salomea Solutions, Inc. · acquired by Apollo Generators

Physics-software consultancy: heat transport, gamma and neutron transport, thermal-hydraulic solvers, and isotope decay chains and production.

- Co-founded the company and built its nuclear-software team.
- Delivered the RTG physics, CAD and planning models for its main client, Apollo.
- Brought the company into Apollo through its acquisition. The team now forms Apollo Nuclear (Argentina), which I co-lead.

Product Family Owner, Lattice-Level Tools

2023 – 2025

Westinghouse Electric Sweden · previously Reactor Physics Engineer, Next Generation Methods

- Owned the lattice-level tool family (PHOENIX5, ABBOT, lattgen) and its nuclear data libraries: technical direction, priorities and team coordination.
- Appointed lead of the new-tool committee, which decides which software tools enter Westinghouse’s workflow.

- Saw a staffing gap coming and set up subcontracting with Rather Labs, including the Export Control documents, End User Statements and NDAs.
- Developed VVER and BWR modeling methods and tools, and onboarded and trained new engineers on them.
- Supplied the reactor-physics side of ACE, an AI surrogate for the POLCA8 core simulator.

Neutronics and Thermal-Hydraulics Engineer

2017 – 2022

INVAP

- Owned the decay-heat (DECPOW) and thermal-hydraulic (TERMIC) codes used to design Mo-99 production plates and research-reactor fuel, and modernized both from legacy Fortran.
- Worked with Westinghouse on PHOENIX5, cutting production calculation times by 40–50%.
- Did conceptual SMR core design, and molten salt reactor core design (thesis), research declared of interest by the Argentine Senate.
- Co-authored joint Argonne–INVAP work (RERTR 2022), and presented at RRFM 2021.

Publications, talks and honours

2026 **RRFM 2026, Leiden.** First-author poster: “On proton irradiation and transmutation implementation on PyNE-Python library”.

2026 **IYNC2026, Avignon.** Attended as Co-Founder and CTO of Apollo Generators.

2024 **IYNC2024.** Speaker: CAD modeling tools for VVER lattice-level core components.

2023 **Westinghouse BWR Fuel Technology Conference.** Speaker: PHOENIX5 improvements for customer requirements.

2022 **Distinguished Citizen** of the Tornquist District (Resolution 30/22).

2022 **RERTR 2022, Vienna.** Co-author: joint Argonne–INVAP thermal-hydraulics methods for MTR-type reactors.

2021 **RRFM, European Research Reactor Conference.** Speaker: improvements in the thermal-hydraulic design code TERMIC.

2018 **Argentine Senate declaration** of interest for my molten salt reactor research (S-2078/18).

References available on request.