



GE Vernova

GE Vernova is a purpose-built energy technology company on a mission to electrify and decarbonize the world.

It is made up of three businesses -- Power, Wind, and Electrification -- with focus on accelerating the path to more reliable, affordable, and sustainable energy, while helping our customers power economies and deliver the electricity that is vital to health, safety, security, and improved quality of life.

The world needs more energy, smarter energy. With energy demand expected to grow by more than 50% in the next 20 years, we are continuously innovating to meet the moment...like we have for the past 130 years. The Energy of Change and relentless optimism are what drive us – it's about never giving up and seeing what's possible so that we deliver the energy technologies the world needs right now and for generations to come.

GE Vernova's attitude and edge is embedded in its name. We retain our treasured legacy, “GE,” as an enduring and hard-earned badge of quality and ingenuity. “Ver” / “verde” signal Earth's verdant and lush ecosystems. “Nova,” from the Latin “novus,” nods to a new, innovative era of lower carbon energy that **GE Vernova** will help deliver.

Together, we have the energy to change the world.

R5007240 Plant I&C Systems Design Engineers

For Engineers based in Warsaw: 2days a week in the office

For Engineers based outside of Warsaw: 4days (in a row) once a month

As a Plant I&C Systems Design Engineer, you will:

- **Design and manage instrumentation and control (I&C) systems:** Develop engineering solutions, apply control theory, and create simulation models.
- **Prepare designs for nuclear safety and operational systems:** Including reactor protection, augmented quality assurance, process instrumentation, and balance of plant systems.
- **Execute design projects through all phases:** From conceptual to detailed design, using digital tools and rigorous configuration management.
- **Select and integrate I&C hardware and software:** Ensuring functional, performance, reliability, and security goals.
- **Collaborate with other disciplines:** To achieve RAM targets using FMEA, PRA, and related methods.
- **Support regulatory licensing and procurement:** Oversee supplier development and compliance with standards.
- **Manage supplier testing and integration:** Review and approve test plans, procedures, and reports (FAT, SAT, etc.).
- **Build and maintain relationships:** With project management, A/E, EPC partners, and suppliers.
- **Manage project scope, budget, and schedule:** Deliver results on time and within budget.
- **Drive continuous improvement and cost reduction:** Support LEAN initiatives.
- **Provide leadership and mentorship:** Promote a strong nuclear safety culture.

Requirements:

- **Technical Degree in Engineering** (Electrical, Mechanical, Nuclear, Computer Science/Technology, Systems), or related field (Physics, Chemistry, Mathematics).
- **Extensive Industry Experience:** ideally within heavy industries, high-risk or high-standards industries (nuclear, power, oil & gas, etc.).
- **Design Documentation Expertise:** creating system design requirements, specifications, and documentation using digital tools (drawings, databases, etc.).
- **Diagramming and Modeling Proficiency:** developing diagrams (functional block, logic, wiring, etc.) and physics-based simulations.
- **Standards Compliance:** Working experience with IEC 60xxx/61xxx/62xxx OR IEEE standards (603, 7-4.3.2, etc.).
- **Safety-Critical I&C Experience:** Proven experience in design, application, or field engineering of safety-significant I&C systems.
- **Dynamic Simulation Experience** with digital tools for physics-based process control algorithm development and simulation.
- **PLC/DCS Experience:** application or field engineering of mid-tier PLC or top-tier DCS systems.

Desired Experience:

- **Nuclear I&C Expertise:** Experience with nuclear analog and digital I&C, safety systems, and related processes (CRD, RBM, EQ testing, etc.).
- **Nuclear Regulatory Experience:** Familiarity with nuclear regulatory affairs, design certification, and licensing (US NRC or international standards).
- **Advanced DCS/PLC Experience:** Hands-on experience with deploying and supporting complex, high-reliability DCS/PLC systems (GE Mark-VIe, Westinghouse CommonQ, etc.).
- **Digital Engineering Tool Proficiency:** Experience with modern digital engineering tools for content creation, requirements management, simulation, and configuration management (Confluence, DOORS-NextGen, Simulink, etc.).
- **Strong Analytical and Decision-Making Skills:** Clear thinking, detail-oriented, and able to make sound, timely decisions.
- **Excellent Communication Skills:** Exceptional technical writing and strong verbal communication abilities.
- **Project Management Skills:** Ability to take ownership, plan, prioritize, and manage projects effectively.
- **Proactive and Results-Oriented:** Self-starter with a positive attitude and a track record of delivering quality results.
- **Team Player:** Ability to collaborate effectively in cross-disciplinary teams.
- **Adaptability and Continuous Improvement:** Willingness to learn, adapt, and implement process improvements.
- **Lean/Agile and Quality Improvement Skills:** Working knowledge of Agile, LEAN, DMAIC, DFSS, FMEA, and related methodologies.

PLEASE NOTE: Candidates of all career levels will be considered for the role

Osoby zainteresowane prosimy o aplikowanie poprzez korporacyjny system rekrutacyjny poprzez link:

<https://careers.gevernova.com/global/en/job/R5007240>

- lub wpisując numer roli **R5007240** lub nazwę stanowiska w wyszukiwarce otwartych stanowisk na stronie <https://careers.gevernova.com/global/en>

About Us

Inclusion & Diversity At GE, we believe in the value of your unique identity, background, and experiences. We are committed to fostering an **inclusive culture**, where everyone feels empowered to do their best work because they feel accepted, respected and that they belong.

Click here to learn more: <https://jobs.gecareers.com/global/en/diversity-at-ge>

Benefits Available to You:

GE employees rise to the challenge of building a world that works. In order to meet this mission, we provide varied, competitive benefits to help support our workforce: <https://jobs.gecareers.com/global/en/ge-career-benefits>

- Our **compensation & benefits** are designed to help you manage your personal and family needs, while rewarding high performers. We offer a robust benefits package depending on your employment status and your national requirements.
- A **healthy, balanced lifestyle** can mean different things to different people. We've created programs that support the way you live and work today.
- GE invests to provide opportunities to **grow your career** by providing a path for continued on-the-job **learning and development**.

Healthcare benefits include medical, dental, vision, and prescription drug coverage; access to a Health Coach, a 24/7 nurse-based resource; and access to the Employee Assistance Program, providing 24/7 confidential assessment, counseling, and referral services.

Retirement benefits include the GE Retirement Savings Plan, a tax-advantaged 401(k) savings opportunity with company matching contributions and company retirement contributions, as well as access to Fidelity resources and planning consultants.

Other benefits include tuition assistance, adoption assistance, paid parental leave, disability insurance, life insurance, and paid time-off for vacation or illness.

General Electric Company, Ropcor, Inc., their successors, and in some cases their affiliates, each sponsor certain employee benefit plans or programs (i.e., is a “Sponsor”). Each Sponsor reserves the right to terminate, amend, suspend, replace, or modify its benefit plans and programs at any time and for any reason, in its sole discretion. No individual has a vested right to any benefit under a Sponsor’s welfare benefit plan or program. This document does not create a contract of employment with any individual.