

Grzegorz Bonter

Industrial Automation & DCS/SCADA Engineer

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PROFESSIONAL PROFILE

Automation engineer with 13+ years of experience delivering DCS, SCADA, SIS, and F&G solutions across the biopharma, oil & gas, petrochemical, and renewable energy sectors. Operating as an independent consultant (entreprise individuelle via GB Automation), I bring a proven track record of deploying directly to high-stakes environments—from North Sea platforms and African LNG sites to multinational chemical plants.

Currently focused on GMP/Batch automation within the Swiss market, combining deep, hands-on field troubleshooting expertise with the rigorous compliance standards demanded by regulated industries.

PROFESSIONAL EXPERIENCE

Commissioning & Automation Engineer (Self-employed via GB Automation)

Merck · *Vevey, Switzerland* — *Apr 2022 – present*

- **Delivered critical automation modifications and projects** for Batch processes within a strict GMP biopharmaceutical environment. Scope included DCS programming, system integration, FAT/SAT management, and client consulting.
- **Engineered and implemented a parallel filling system**, slashing process time from over 18 hours to 2-4 hours (depending on tank size) over a 6-month engagement.
- **Led the integration of a new Nanofiltration skid** across a 12-month project lifecycle, encompassing the design, programming, and commissioning of I/Os, Control Modules, Equipment Modules, Phases, and Recipes.
- **Spearheaded a critical bug fix campaign** for hygienic status system management during a 6-month initiative, reviewing ~100 phases and correcting 20% to ensure optimal compliance and system integrity.

Yokogawa Germany, Netherlands, Belgium · *Europe / Russia* — *Feb 2017 – Apr 2022*

- **Executed highly specialized DCS, SIS, and SCADA commissioning and modification projects** as a deployed expert for diverse industrial clients globally.
- **ZapSib-2 Polypropylene Plant (Tobolsk, Russia | 6 months):** Engineered massive DCS/F&G/SIS modifications, independently designing over 200 motor templates. Coordinated a multi-national contractor team and provided vital troubleshooting support during client start-up.
- **SNA Offshore Wind Park (Saint-Nazaire, France | 6 months):** Commissioned the GE DS Agile SCADA system for a 220/33 kV transformer substation connecting an 80-turbine offshore wind park.
- **Pharmaceutical Facility (Ghent, Belgium | 6 months):** Commissioned Yokogawa Centum VP and ProSafe-RS (DCS & SIS). Tested complex control loops, corrected core logic, designed custom HMI screens, and led the installation start-up.
- **Shell Refinery (Hamburg, Germany | 6 months):** Executed critical DCS logic, I/O, and graphics modifications on Centum VP 5, conducting rigorous functional testing directly on the live system.
- **BP West Nile Delta (Netherlands | 6 months):** Managed the Factory Acceptance Testing (FAT) for Modbus communications and implemented mod-packs on Centum VP 6.
- **Chemical Plant (Belgium | 3 months):** Implemented high-stakes interlock logic and automated loading/unloading sequences for hazardous isocyanate handling (TDI/MDI).

Service & Support Engineer

Yokogawa · *Runcorn, UK* — Sep 2015 – Jul 2016

- **Designed, implemented, and commissioned system upgrades** (Centum CS3000/VP, safety systems, alarm management) across the UK energy sector.
- **Led major upgrade and commissioning phases for high-profile assets**, including Lakeside Energy-from-Waste, South Hook LNG (Phase 1), the Leman platform, and SSE Atwick Gas Storage.

DCS Service & Support Engineer
Mar 2013 – Aug 2015

Yokogawa · *Amersfoort, Netherlands*

- **Offshore Operations**: Commissioned and maintained North Sea gas platforms (Lima 05/15, Barque PB, Foxtrot 3, Leman Alpha). Executed complex Centum VP upgrades, integrated new tie-in jackets, designed F&G graphics, and managed ClampOn sensor integrations.
- **Onshore Operations**: Provided rapid-response start-up support, logic design, and system troubleshooting at NAM Grijpskerk and Coevorden facilities. Prepared work packages, PLC logic, and FAT/iFAT equipment assemblies.

DCS Engineer
Jun 2011 – Aug 2012

Schneider Electric Poland · *Poland / France / Angola*

- **Configured RTU/PLC devices and deployed SCADA/HMI solutions** (PACiS SCE) for massive energy infrastructure, including Angola LNG (6 substations, 33 kV–0.4 kV) and Kappara Malta (132/33 kV).
- **Delivered end-to-end implementation**, from initial control narrative design to on-site execution and final commissioning.

CORE COMPETENCIES

- **DCS & Control Platforms:** Yokogawa Centum CS/VP, Yokogawa ProSafe-RS
- **SCADA & PLC:** PACiS SCE, GE DS Agile, Modbus, MES Integration
- **Safety & Standards:** SIS / F&G, Functional Safety (IEC 61508/61511), Computer Systems Validation (GAMP5, GMP)
- **Engineering & Execution:** FAT, iFAT, SAT, Commissioning, Punch-Item Resolution, Control Narrative Implementation, HMI Design
- **Industries:** Biopharma, Oil & Gas (Offshore/Onshore), Petrochemical, Power & Wind Energy

EDUCATION

M.Sc. Electrical Engineering
Wrocław University of Technology 2005 – 2010

LANGUAGES

Polish – native
English – fluent
French – working proficiency
Spanish – limited working proficiency
German – basic