



Giampaolo CARDUCCI

Environmental Engineer

Engineer with over **9 years** of experience in **utilities CQV** and **construction supervision**.

I've established a trusty and respectful relationship with several **pharmaceutical companies** supporting in **black and clean utilities commissioning, validation** and **construction** projects. I've improved skills in **GMPs**, in **team coordination** and **project permitting**.

SUMMARY SKILLS

GMP/GDP ●●●●○ CE CERT. - 2006/42/EC ●●●●● ENGLISH ●●●●○

CQV (Utilities) ●●●●○ PED – 2014/68/EU ●●●●○ CLEAN UTILITIES ●●●●○

RISK ANALYSIS ISO 12100:2010 ●●●●○ CONSTRUCTION SUPERVISION ●●●●○

PERSONAL DATA

PROFESSIONAL

Environmental Engineer (Italian Association of Engineers - N° 3507)

DATE OF BIRTH / NATIONALITY

23.AUG.1989 | Italian

PHONE / EMAIL/SOCIAL / WEBSITE

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CURRENT LOCATION

Lyss (BE) - Switzerland (CH)

WORK EXPERIENCE

MAY 2023 –


ONGOING

Plant and CAPEX engineer / Lonza BioAtrium (Visp) - CH 

Key responsibilities:

- Upstream and Downstream equipment maintenance. LOTO execution and works preparation.
- Production (USP and DSP) and clean utilities maintenance planning and coordination.
- Low bioburden endfill unit maintenance and CAPEX project coordination for implementation SME.
- CAPEX management till 500K CHF and support to Global Engineering for bigger projects.
- Requalification and qualification activities (IQ-OQ), PQ preparation including smoke studies preparation for Endfill unit (low-bioburden facility)
- Campaign readiness, product changeover engineering management and PPQ for production support.
- Use of SAP, Kneat, TrackWise, DMS, COMOS


FEBRUARY 2022 –
APRIL 2023

Advanced consultant Engineer / Life science division at 


Key responsibilities:

- Solution Architect for C&Q projects (Lonza Singapore – Lonza Belgium)
- Technical support for C&Q activities related to lab equipment, process equipment (DSP)
- Qualification document preparation execution and review (IQ-OQ) for utilities equipment
- Lonza/Sanofi – BioAtrium: Technical Change Request coordinator (daily use of SAP, Excel, COMOS, DMS, TrackWise, GMP standards. Daily and weekly alignment with Department stakeholders to discuss Technical Changes related to all BioAtrium department.

NOVEMBER 2016 -
JANUARY 2022

Project engineer at Ingegno P&C S.r.l. 


MARCH 2020 –
DECEMBER 2021

Project: CSL – Behring – Lengnau (BE) – CH (1,5 billions project investment) 

Civil-Structural-Architectural Handover Engineer – Construction coordination and final building handover: (**administrative, Labs, production** and **classified clean room (E-D-C) areas**).

- QA/QC civil department. Definition of **GMP standard documentation for clean rooms and labs**.
- Work and contractor supervision. Direct interface with client for revamping/change requests and local contractors' management and internal QA/QC audit on executed works.
- **Integral test planner** and executor for final building occupancy.
- Responsible for quality, schedule, costs of all assigned CSA sub-systems. CSA completion walk-downs and safety walk-downs execution.
- Inspections with GVB for final building acceptance (fire protection approval for the building insurance)
- Fire protection requirements construction supervisor

AUGUST 2018 –
MARCH 2020

Project: NGM – Biogen – Luterbach (SO) – CH (2 billions project investment) 

Project management/field engineer - Key responsibilities:

- Responsible for **quality, schedule, costs of all assigned sub-systems, provide equipment and system mechanical completion walk-downs, safety walk-downs.**
- Coordination of all process relevant activities incl. review and approve process engineering specifications, process piping & instrumentation diagrams (P&IDs), datasheets, and procurement packages for equipment and systems.
- Close collaboration with all project discipline (incl. Contactors), key Project & Site stakeholders and project manager.
- Interface with stakeholders to ensure the design execution and delivery are in accordance with Global Engineering, Quality, Environmental and Safety procedures.
- Compliance supervision according to local and European **fire protection directives (VKF/AEAI)**. TUV Sud Basel support on machine directive procedures for documental compliance with **MD 2006/42/EC and 2014/68/EU and EKAS requirements**. Vendor and supplier's installation supervision. Scheduler and coordinator for **cantonal inspections (AWA, SUVA, SGV, FM global, AfU)**. Lightning protection system coordination for final cantonal approval.

NOVEMBER 2016 –
AUGUST 2018

Project: GSK Vaccines S.r.l. Rosia (SI)

Engineering process consultant



- **URS definition** for clean utilities production plant revamping (**Ultrafiltration system, Softened water system, Purified water system** (double stage reverse osmosis equipment), Water for injection (5 stages distillator equipment), **clean steam generator. Clean gasses (CO2, O2, N2, He)** storage and distribution.
- Responsibility for all Process related activities, Engineering and the process discipline of **CAPEX** projects to ensure that GSK standards and requirements as well as the site standards are correctly incorporated within the discipline specifications
- Clean utilities installation (FAT/SAT) and qualification (IQ, OQ) execution and supervision.
- Instrument calibration planning and supervision (support to relevant project manager)- KAYE validator for temperature mapping.
- Ensure compliance with legal regulations on energy supply, technical guidelines, and standards (**GSK standards, ATEX and Machinery Directive, SOPs, ASME, etc.**).
- Handle **deviations, CAPAs and change controls** and troubleshoot system failures and interruptions on clean utilities maintenance department.
- Performance qualification (**PQ**) **supervision**, GMP deviations and gap assessment execution for all the equipment and relevant mechanical interconnections related to the clean utilities mentioned above according to **GMP, FDA and AIFA requirements**.
- **Commissioning supervision**. PW (purified water), WFI (water for injection) loops sanitification process tuning during IQ-OQ using Delta-V and OSI PI software.
- Monitor external service providers, participate in internal audits, and serve as SME for production issues. Capture and maintain consistent data on technical systems (spare parts lists, operating instructions, clean utilities **SOPs creation**, technical documentation request and revision)
- **Clean utilities maintenance department: activity planner, Start-up/shut down scheduler, spare part list creation and client support with vendors'/suppliers' contact for ordinary and not-ordinary maintenance.**

JANUARY 2016 –
OCTOBER 2016

Safety engineer at **A.M. Engineering & industrial research s.r.l**



Several projects for different Pharmaceutical, Chemical, Food and Mechanical companies.

- Pressurized equipment compliance with **D.M. 329/2004, 97/32/CE (P.E.D.)** and **D.Lgs. 26/2016**.
- **Equipment** and Assembly putting in service according to **D.Lgs. 17/2010** – documental checks.
- **Compliance**, design and revamping of **pressurized equipment** (ASTM e ISPEL directives).
- **Operation** manuals for equipment according to local machine directive (**D.Lgs 17/2010**) and **2006/42/ European directive**.
- **Risk analysis** according to **local D.Lgs. (81/2008)** and **EN 12100**.

EDUCATION AND TRAINING

DECEMBER 2015

Master degree on Environmental engineering [LM-35]

University of Study in L'Aquila (AQ), Italia.

www.ing.univaq.it

Final degree 110/110

JANUARY 2015

Trainer .Tech Training Course

Microcontrollers programming (ARDUINO UNO™) Programming in C, C++

PERSONAL SKILL	*****
ITALIAN	Mother tongue
ENGLISH	Fluent Written and spoken (C1)
GERMAN	Beginner (A2)
INFORMATIC SKILLS	----- - Writing, managing and computing programs: Latex - Microsoft™(Word, Excel, Access, Outlook). - Technical Software: Excel; Autocad™ + 3D, Matlab™ArcMap,ArcGis™, Hec-Ras™, Intergraph™ PV Elite; Intergraph™ Caesar II, SAP (ERP), OSI PI, DeltaV, DCS, Kneat, PowerBI - Programming languages known: HTML (5), CSS (3), Javascript (5), Python, VBA, C++. -----
DRIVING LICENSE	Type A, B (Car owner)
ADDITIONAL INFORMATION	*****
CERTIFICATES – COURSES - SEMINARIES	- Certificate of attendance - “The treatment of water in heating systems and sanitary circuits according to current legislation as a tool for energy efficiency ” - Registration in the Register of Engineers of Pisa on 28/02/2017.
PUBLICATIONS	- Master degree “Numerical model for the characterization of the downstream jet of ski jump spillways (2015)” . - Bachelor degree – “River transport of pollutants. Case of study: Sacco river in Colleferro (RM) (2013)” .
INTERNATIONAL FIRMS/COMPANIES	During my working activities I had the opportunity to get in contact and collaborate with international companies like: Food and drink company - CESARE FIORUCCI - CUKI FRESCO - FINDUS Engineering company - JACOBS - TUV SUD BASEL - WOOD/AMEC FOSTER WHEELER - GRUNER AG - AMSTEIN+WALTHERT AG - PHARMATEC - CTP System - TECHNICONCONSULT Chemical and Pharmaceutical company - LONZA - BIOGEN - GSK VACCINES - CSL BEHRING - PFIZER CONSUMER MANUFACT. ITALY SRL - CORDEN PHARMA LATINA - BSP Pharmaceutical S.r.l. - MENARINI BIOTECH S.r.l. Mechanic and Electromechanic companies - ABB SPA - FCA ITALY - ISOPAN SPA - SIAPRA (FIAMM SPA) - SKF INDUSTRIE SPA

