



## Giampaolo CARDUCCI

Environmental Engineer

**Engineer** with over **6 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** and 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 ●●●●●

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### PERSONAL DATA

#### NAME

Giampaolo Carducci



#### PROFESSIONAL

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

#### PLACE AND DATE OF BIRTH / NATIONALITY

Arpino (FR) 23.AUG.1989 | Italian

#### PHONE / EMAIL / SOCIAL


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#### CURRENT LOCATION


Lyss (BE) - Switzerland (CH)

### WORK EXPERIENCE


FEBRUARY 2022 –  
ONGOING

**Advanced consultant Engineer / Life science division at** 

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 billion 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 billion project investment)** 

**Project management/field engineer** - CUB-BMC-1 and BMC-2, WAREHOUSE, ADMIN

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. Contractors), 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)- Key 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 ISPE SL 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**

JANUARY 2018

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**Seminary** - Treatment of water in heating systems and sanitary circuits according to current legislation as a tool for energy efficiency

DECEMBER 2015

**Master degree on Environmental engineering [LM-35]**

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

[www.ing.univaq.it](http://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

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Mother tongue

ENGLISH

Fluent Written and spoken (C1)

GERMAN

Beginner

**INFORMATIC SKILLS**

- **Operating systems:** Windows™(Xp, 7, 8, 8.1, 10) – Linux (Xbuntu, Ubuntu, Mint) .
- **Writing, managing and computing programs:** Latex - Microsoft™(Word, Excel, Access, Outlook).
- **Publishing:** Microsoft™(Power Point, Publisher).
- **Technical Softwares:** Excel; Autocad™, Matlab™, Autocad Civil 3d™, Sap2000, Intelligen SuperPro Design 8™, ArcMap, ArcGis™, QGis™, gvSig™, ArduinoHec-Ras™, Comsol Multiphysics™, Flow 2d; Intergraph™ PV Elite; Intergraph™ Caesar II, SAP (ERP), OSI PI, DeltaV. DCS,
- **Programming languages known (basic level):** Python, VBA, C++(elementary).

**DRIVING LICENSE**

Type A, B (Car owner)

ADDITIONAL INFORMATION

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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
- TECHNICONSLT

Chemical and Pharmaceutical company

- 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

*In implementation of Legislative Decree no. 196/2003, laying down provisions for the protection of persons and other subjects regarding the processing of personal data, I hereby give my consent to the processing of my personal data for the full execution of the personnel selection procedure, and to comply with obligations under law, a regulation or Community legislation. I may at any time withdraw my consent and / or oppose the processing of my personal data.*

In faith

