



## 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 ●●●●●

### 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/ WEBSITE

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Website: [Giampaolo Carducci - CV](#)

#### CURRENT LOCATION

Lyss (BE) - Switzerland (CH)

### WORK EXPERIENCE

FEBRUARY 2022 –  
ONGOING

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

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.

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

**Engineering process consultant**



NOVEMBER 2016 –  
AUGUST 2018

- **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 (CO<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, 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

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JANUARY 2018

**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

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ITALIAN

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<sup>TM</sup>, ArcMap, ArcGis<sup>TM</sup>, QGis<sup>TM</sup>, gvSig<sup>TM</sup>, ArduinoHec-Ras<sup>TM</sup>, Comsol Multiphysics<sup>TM</sup>, Flow 2d; Intergraph<sup>TM</sup> PV Elite; Intergraph<sup>TM</sup> 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)”**.

<https://www.mariposayoga.tk/>

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

