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|  | ***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) |
| Place and date of birth / Nationality | Arpino (FR) 23.AUG.1989 | Italian |
| Phone / Email/Social/  Website | (ITA) +39 333 92 17 550 ; (CH) +41 78 822 30 25 // [giampaolo.carducci@gmail.com](mailto:giampaolo.carducci@gmail.com) // https://docs.google.com/uc?export=download&id=1V52svGyRHsjOu5FNzDFt6dLwv9sEPEC5&revid=0B7ndw_gA5PWiUU55V05CaFh1L2wrdWdDSFYrRWlrZm5NdjJNPQ C:\Users\g.carducci\Pictures\skype.png  Website: [Giampaolo Carducci - CV](https://giampcar.github.io/CV/) |
| Current Location | Lyss (BE) - Switzerland (CH) |

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| Work experience | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |  | |
| May 2023 –  Ongoing | **Plant and CAPEX engineer / Lonza BioAtrium (Visp) - CH**  **Key responsibilities:**   * Production (USP and DSP) and clean utilities maintenance planning. * **CAPEX** management till 500K CHF * Requalification and qualification activities (IQ-OQ) * Campaign readiness 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  August 2018 – March 2020  November 2016 – August 2018 | **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/QCcivil 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     **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.   **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 sanification 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 ISPESL 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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| 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 (A2) |  |  |  |  |

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| Informatic skills | * **Writing, managing and computing programs**: Latex - Microsoft™(Word, Excel, Access, Outlook). * **Technical** **Softwares:** Excel; Autocad™ + 3D, Matlab™ArcMap,ArcGis™, ArduinoHec-Ras™, Intergraph™ PV Elite; Intergraph™ Caesar II, SAP (ERP), OSI PI, DeltaV, DCS, Kneat. * **Programming languages known:** HTML (5), CSS (3), Javascript (5), Python, VBA, C++. |

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| Driving license | Type A, B (Car owner) |

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| Additional information | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |  |

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| Certificates – Courses - Seminaries  Publications  International Firms/Companies | * 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. * 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)”.   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 * TECHNICONSULT   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 |