

# Lucas BONNIN

PMP® Project Manager | Green Belt 6 sigma | Senior Mechanical Engineer | ESG & Sustainable Materials Specialist | Green Belt 6 sigma



French. 35 Years old  
Located in Taipei (working and residence permits)

bonninlucaspro@gmail.com



French (Native)

English (Professional working proficiency)

Chinese (Professional working proficiency)

German (Limited working proficiency level)



C ; VBA ; Excel solver

Constraints programming (Operations Research)

Scilab, Matlab, : fuzzy mathematics

Minitab

Pro-engineer



Classical guitar :  
14 years of music school  
Diploma of excellence



- Cycling (3000Km/year)
- Swimming (2000m/week)
- Running (sub 90 half mar)
- Diving (400 dives, Rescue)
- Hiking (3000m+ peaks)
- Cooking

## Working Experience



SHL MEDICAL

**Technical Project Manager - Medical device - ESG - Taiwan**

July 2020 - Now

- Leading capital expenditure projects through the full lifecycle for multimillion-dollar assets projects . (plastic injection, assembly, automation)
- Dedicated to ESG projects since 2024 to lead transitions into biobased materials (under ISSC+) through Lean Six Sigma initiative.
- Reduced project delivery time by 6 months by streamlining documentation processes with engineering justifications, while ensuring full compliance for new resin supplier and materials for masterbatch process implementation

**DT SWISS**

**Development and Industrialization Manager – Carbon and Aluminium bicycle rims / wheel assembly – Taiwan**

March 2016 - Feb 2020

- Led and supervised a team of 3 engineers.
- Oversaw 8 suppliers in Taiwan and China, including conducting supplier audits, and successfully launched 24 new design.
- Developed processes for product development : extrusion, welding, CNC, carbon layout, sanding, wheel assembly, etc.
- Set up final testing methods and validation (fatigue, impact, heat resistance)
- Established Control Plans throughout the Value Stream, covering prepreg, tools, layup, machining, cosmetics, and packaging.
- Implemented process automation using Excel VBA, resulting in enhanced performance and increased staff efficiency.
- Automated Quality Assurance tools such as data analysis, capability studies,, Cpk/Ppk, KPIs, PDCA, 8D, and action planning enhancing overall efficiency.

**LOOK**

**Bicycle parts development and quality engineer - Taiwan**

April 2014 -Feb 2016

- Enhanced the Quality system by creating and implementing new quality standards, tools, control plans, and SOPs.
- Effectively developed 6 new carbon frames and assembled 8 complete bikes.
- Conducted supplier audits in China, overseeing 3 carbon frame manufacturers.

## Education



October 2025

**Green Belt Six Sigma**

March 2022

**Project Management Professional (PMP) ID : 3233762**

**Université de Technologie de Compiegne (UTC) - France**

2008-2014

Master in Mechanical systems Engineering.

Major in Production-Logistic (Operations Research).

**Semesters abroad:**

Spring 2013

• Technische Universität Braunschweig - Germany

Spring 2011

• Shanghai university - China