

VICENTE GONZÁLEZ BUGUEÑO

+56 9 9771 4081 | vicedh@aol.com | linkedin.com/in/vicedh

SUMMARY

Mechanical engineering specialized in maintenance planning and project design, with focus on workplace safety and knowledge of standards related to mechanical engineering, such as water piping, gas piping, vibrations, and KPI equations. Experienced in project execution involving metal welding and material dimensioning. Highly committed to machine availability and the pursuit of objectives related to industrial maintenance.

EXPERIENCE

Intern and thesis student	July 2023 - December 2024
<i>University of La Serena</i>	<i>La Serena, Chile</i>
<ul style="list-style-type: none">• Research cutting forces during micro-milling processes.• Predict forces using vibration analysis and linear regression models.• Use Python in engineering problems.	

EDUCATION

Mechanical engineering	March 2017 – December 2024
<i>University of La Serena</i>	<i>La Serena, Chile</i>
<ul style="list-style-type: none">• Design and management of mechanical projects.• Research and application of theoretical fundamentals of mechanics.• Use of engineering software tools.	

SKILLS

Site estimation of solar radiation	May 2025
<i>Renewable energy resources</i>	<i>Book</i>
<ul style="list-style-type: none">• Estimate energy per solar panel based on location.• Compare different tilt angles of solar panels.	
Measurement and evaluatio of machine vibration	March 2025
<i>ISO 20816</i>	<i>Book</i>
<ul style="list-style-type: none">• Process shaft vibration measurements.• Evaluate severity using RMS velocity and peak displacement.	
Industrial maintenance and sustainability	July 2024
<i>University of La Serena</i>	<i>La Serena, Chile</i>
<ul style="list-style-type: none">• Calculate mean repair times and mean time between failures.• Determine Weibull reliability based on failure history.	

SOFTWARE

Report writing: Microsoft Office (Medium), LaTeX (Advance).
Mechanical design: Inventor (Advance), Python (Advance).
Technical drawing: Inventor (Medium), SolidWorks (Medium), AutoCAD (Medium), Revit (Basic).
Scheduling: Microsoft Project (Basic).

LANGUAGES

English: Speaking (Advance), writing (Advance)
Spanish: Speaking (Native), writing (Native)

CERTIFICATIONS

Mechanical engineer	March 2025 - ∞
<i>University of La Serena</i>	
Drivers license	January 2017 - July 2029
<i>Chilean government</i>	