

Cristian Martin Hilzinger

Naval Engineer | Hull Surveyor | Structural Inspector (IACS & PSC Standards)

Mar del Plata, Argentina

+54 9 223 5445648

hilzinger cristian@gmail.com

linkedin.com/in/cristian-martin-hilzinger

Professional Profile

Naval Engineer specialized in hull inspections, structural assessment and regulatory compliance under IACS and Flag/Port State standards. Experience in steel-hull damage evaluation, FEM/FEA analysis, dry-dock inspections, corrosion assessment, and maintenance planning. Strong background in CAD/FEA modeling, vibration analysis, technical reporting, and structural evaluation aligned with classification society and offshore integrity requirements.

Work Experience

- Hull Surveyor (Senior Officer)
Argentine Coast Guard – Argentina | March 2022 – November 2025
 - Flag State Hull Surveyor for vessels of unlimited tonnage.
 - Technical supervision, structural inspections, and regulatory compliance.
 - Training for Port State Control (PSC).
- Technical Office Designer (Contractor)
STI Ingeniería – Mar del Plata, Argentina | August 2020 – December 2021
 - 3D modeling and technical documentation of large-scale engineering projects.
 - Consistently exceeded client expectations with high-quality deliverables.
- Technical Office Lead
ArTechnology S.R.L. – Mar del Plata, Argentina | 2012–2013 and 2015–2016
 - Design and modification of structures, repairs, and prototypes using CAD/CAM software and CNC equipment.
 - Team supervision and schedule adherence for project deliveries.

Education

- Naval Engineering (CPIN Reg. 952), National Technological University – Mar del Plata (2020)
- Advanced Technical Degree in Systems Analysis (incomplete), IPFT No. 151 (2021)
- Diplomas in 3D Mechanical Design in SolidWorks and Finite Element Simulation in SolidWorks – UTN Resistencia (2019)

Certifications and Training

- Port State Control Officer (training completed, pending final qualification) – Argentine Coast Guard (2022)
- Structural Damages and Repairs in Steel-Hulled Vessels – AAIN (2021)
- Safety Management Systems – AAIN (2021)
- Vibration Analysis in Propulsion Systems – AAIN (2021)

Personal Achievements

- Performed 300+ hull and structural inspections on vessels of unlimited tonnage.
- Reduced inspection and reporting times by 15% through workflow optimization.
- Supervised structural repairs on vessels over 80,000+ DWT, ensuring compliance with IACS and Flag State rules

Skills and Competencies

- Hull and marine structure inspection
- Knowledge of IACS rules (ABS / DNV / BV / RINA / ClassNK / LR)
- Maritime Regulations (SOLAS / MARPOL / ISPS / Load Line / ISM), PSC standards
- Finite Element Method (FEM), structural calculations
- Project management, maintenance planning
- Technical documentation and quality control
- Software: AutoCAD, SolidWorks, Rhino 3D, Maxsurf, Microsoft Office
- 3D printing, CNC prototyping, engineering drawings
- Team leadership, problem-solving, continuous improvement

Technical Skills

Hull inspection, PSC/Flag State surveys, Structural integrity evaluation, Steel repairs, IACS rules, ClassNK/ABS/DNV familiarity, FEM/FEA (SolidWorks Simulation), Maxsurf, CAD modeling, Dry-dock inspections, Corrosion assessment, Thickness measurement interpretation, Maintenance planning, Technical reporting, CNC, 3D prototyping.

Languages

Spanish: Native

English: Professional working proficiency (B1-B2)