

Biography of Wilson Takayassu

Professional Summary

Civil Engineer with five decades of experience in structural projects, fabrication, assembly, technical consulting, construction works, research, and teaching.

Experience covering the entire engineering cycle — from conceptual studies to detailed engineering projects and construction support.

In the onshore sector, development and execution of numerous structural projects and works, including metal walkways, gymnasiums, hangars, industrial warehouses, silos and agricultural storage facilities, port terminals, administrative centers, museums, and special roofing structures. Clients include Petrobras, Vale, Cargill, Transpetro, Ecovix, state governments, municipalities, and several private companies.

In the offshore sector, participation in structural projects for FPSOs P-08, P-34, P-37, P-53, P-55, P-57, P-66, P-69, and P-74, as well as fixed platforms and drillships.

Work includes structural reanalysis, coordination of module projects, calculation reviews, detailed engineering design, support structures, stairways, flare towers, manifolds, pipe racks, lifting systems, and large-scale naval installations.

Experience in complex maritime works, including naval bases, piers, dry docks, caisson gates, and mechanical lifting devices, including reels (invention patent application).

Also experienced in structural integrity, SMF (Magnetic Force Sensor – invention patent application), mathematical modeling, and metrology, including work with the COPPE/UFRJ Incubator.

Recognized for combining leadership, deep technical expertise, and practical experience, delivering complete, safe, and efficient solutions aligned with national and international standards.

Education / Teaching

Civil Engineering – Graduated in 1974

Specialization in Structures and Naval Engineering – COPPE / UFRJ

Former Professor at:

- Santa Úrsula University – RJ
- Veiga de Almeida University – RJ
- State University of Mato Grosso – MT
- Federal University of Mato Grosso do Sul – MS