



Curriculum Vitae of Wilson Takayassu

EDUCATION

- Lins School of Engineering – SP – Civil Engineering - completed - 1974
- Master's degree in Structures - COPPE – UFRJ (1976–1977–credits) (1977-1979 – Structures Laboratory - not completed)
- Postgraduate studies – COPPE–UFRJ – Naval Engineering (Offshore Floating Systems Engineering) – completed - 2009
- Extension course in Ship and Offshore Platform Construction – COPPE – UFRJ – completed - 2011

SOFTWARES

- Autocad (2D – 3D)
- SAP 2000
- CypeCad
- SACS
- GTStrudl
- Strap
- NavisWorks
- Office
- MS Project
- Sesam

OFFSHORE: PROJECTS & CONSULTING

Projects and Consulting

- Company: Wood Group Engineering and Production Facilities Brasil Ltda
- Position: Senior Structural Engineer (contracted under CLT - Brazilian labor law)
- Date: September 2021 – August 2025
- Main activities performed: participation as a structural consultant in various projects for the following clients: Equinor – Trident – SS7 – Shell – Vast – Edge

Projects: FPSO – P37

Customer: Petrobrás

- Company: Steel – Sociedade Técnica de Engenharia Estrutural Ltda
- Position: Partner - Technical Director
- Date: Sep / 21

- Main activities: Structural lifting design for winch maintenance of the risers on the FPSO P37 at the operating site. Subcontracted by Marine Service Ltda

Projects: FPSO – P74 (Cessão Onerosa)

Customer: Petrobrás

- Company: Scan – Metrologia e Modelo Ltda
- Position: Partner - Technical Director
- Date: Aug/14
- Main activities: Technical Consultant for the metal structure discipline of the FPSO P74 for Petrobras. Subcontracted by EBR – Estaleiro do Brasil Ltda

Projects: FPSO – P74 (Cessão Onerosa)

Customer: Petrobrás

- Company: Steel – Sociedade Técnica de Engenharia Estrutural Ltda
- Position: Partner - Technical Director
- Date: Oct/13
- Main activities: Execution of the M04 Executive Project – CO2 Removal of the FPSO – P74. Subcontracted by EBR – Estaleiro do Brasil Ltda

Projects: FPSO – P74 (Cessão Onerosa)

Customer: Petrobrás

- Company: Steel – Sociedade Técnica de Engenharia Estrutural Ltda
- Position: Partner - Technical Director
- Date: Feb/14
- Main activities: Execution of the Detailed Design of the FPSO Flare Tower – P74. Subcontracted by EBR – Estaleiro do Brasil Ltda

Projects: FPSO – P74 (Cessão Onerosa)

Customer: Petrobrás

- Company: Steel – Sociedade Técnica de Engenharia Estrutural Ltda
- Position: Partner - Technical Director
- Date: June 2014
- Main activities: Verification of the Structural Analysis of the M17 – Automation and Electrical system of the FPSO – P74. Subcontracted by EBR – Estaleiro do Brasil Ltda

Projects: FPSO's – P66 e P69 (Replicantes)

Customer: Petrobrás

- Company: Avatar- Digital Image Ltda
- Position: Partner - Technical Director
- Date: Oct/12
- Main activities: Technical Consultant for the metallic structure discipline of the FPSOs P66 and P69 for Petrobras. Subcontracted by PROMON – Engenharia Ltda

Projects: Plataformas Fixas

Customer: Empresas Petrolíferas

- Company: SCAN – Metrology and Models Ltda
- Position: - Partner - Technical Director
- Date: Oct/12
- Main activities: Research in the area of metrology and mathematical models aiming at predictive structural integrity in real time, through instrumentation and readings. Company located in the UFRJ Incubator at the Technology Hub of Ilha do Fundão – Rio de Janeiro – RJ.

Projects: FPSO's - P66 – P69 (Replicantes)

Customer: Petrobrás

- Company: STEEL - Sociedade Técnica de Engenharia Estrutural Ltda
- Position: Partner - Technical Director
- Date: June 2013
- Main activities: Execution of the detailed executive project of Module 17 - Pipe Rack of FPSOs 66 and 69 (Tupi and Guará) - subcontracted by Promon Engenharia S.A. (Kapel Fels Integrator)

Projects: TEBIG- Terminal de Ilha Grande

Customer: Petrobrás

- Company: AVATAR - Digital Image Ltda
- Position: Partner - Technical Director
- Date: Sep/11
- Main activities: Engineer responsible for the detailed executive project of the metallic skid - subcontracted by Galvão Engenharia S.A.

Projects: PXVI – PXVII - PXXIII

Customer: Petrobrás

- Company: AVATAR - Digital Image Ltda
- Position: Partner - Technical Director
- Date: Sep/10
- Main activities: Engineer responsible for the basic design of various metal structures related to the renovation of the above platforms, subcontracted by Hemisul.Scet - Engineering and Technology Solutions of the Southern Hemisphere

Projects: P55

Customer: Petrobrás - IESA

- Company: AVATAR - Digital Image Ltda
- Position: Partner - Technical Director
- Date: Jul/10
- Main activities: Engineer responsible for the executive project of the external staircases of Modules 04A, 04B and 09 of P55, subcontracted by Modullar - Projetos Ltda

Projects: Navio Sonda - Navigator Pelegrino VII

Clientes: Transocean

- Company: AVATAR - Digital Image Ltda
- Position: Partner - Technical Director
- Date: Dec/09
- Main activities: Engineer responsible for the executive project of the new accommodation modules of the drillship Pelegrino VII owned by Transocean - Subcontracted by Five Star Services Ltda

Projects: Porta Batel e Dispositivo Mecânico de Elevação (DME)

Clientes: CNO – DCNS – Marinha do Brasil

- Company: RPGP – Engenheiros Associados Ltda
- Position: - Maritime Works Coordinator
- Date: Jul / 09
- Main activities: Engineer responsible for the basic structural design of the hatch and mechanical lifting device for the nuclear submarines at the Brazilian Navy Naval Base in Itaguaí – R.J.

Projects: P55**Customer: Petrobrás**

- Company: SCET - Engineering and Technology Solutions Ltda
- Position: Consulting Engineer
- Date: Nov/08
- Main activities: Engineer responsible for the structural team verifying the calculation reports for the Lower Hull of the P55, subcontracted by Estaleiro Atlântico Sul. Member of the team consolidating 3D models generated by various software (PDS x Ship Constructor x NavisWorks)

Projects: P55**Customer: Petrobrás**

- Company: SCET - Engineering and Technology Solutions Ltda
- Position: Consulting Engineer
- Date: Nov/08
- Main activities: Engineer responsible for the structural executive project of Module 8 of P-55, subcontracted by UTC – Engenharia S.A.

Projects: P55**Customer: Petrobrás**

- Company: AVATAR – Digital Image Ltda
- Position: Partner – Technical Director
- Date: Nov/09
- Main activities: Engineer responsible for the structural executive project of the Manifolds
- A-T6170-1; A-T6170-2; A-T6170-3; A-T2680-1; A-T2680-2, subcontracted by QUIP – Engenharia S.A.

Projects: P51**Customer: Petrobrás**

- Company: AVATAR - Digital Image Ltda
- Position: Partner - Technical Director
- Date: Nov/09
- Main activities: Engineer responsible for the analysis of the Technical Consultation (SQF-P51-BJQ-0768) of Module 07 - Desulfation Skid.

Projects: P57**Customer: Petrobrás**

- Company: SCET - Engineering and Technology Solutions Ltda
- Position: Consulting Engineer
- Date: Nov/08
- Main activities: Engineer responsible for the detailed design of secondary structures.

Projects: P16**Customer: Petrobrás**

- Company: Planave S.A. – Engineering Studies and Projects (subcontractor)
- Position: Consulting Engineer
- Date: June 2008
- Main activities: Coordinator of the P16 freight elevator renovation project. Field survey with the structural executive project of the support base for modifications to the drilling tower's freight elevator arrangement.

OFFSHORE: PROJECTS & CONSTRUCTION SUPPORT

Projects: FPSO P34

Customer: Petrobrás

- Company: Suporte – Consultoria e Projetos Ltda
- Position: Consulting Engineer / Coordinator
- Date: Sep / 06
- Main activities: Participation in the CEB - Consorcio Engenharia Brasil structural team through Suporte – Consultoria e Projetos Ltda. Support engineer for the construction project in Vitória - ES

Projects: BGL1

Customer: Petrobrás

- Company: Suporte - Consultoria e Projetos Ltda
- Position: Consulting Engineer
- Date: Jan/07
- Main activities: Participation in the Suporte – Consultoria e Projetos Ltda team's infrastructure for the BGL1 revamp project in Angra dos Reis.

Projects: Plataformas Fixas

Customer: Petrobrás

- Company: Suporte - Consultoria e Projetos Ltda
- Position: Consulting Engineer
- Date: Oct/07
- Main activities: Participation in the structural team of Suporte – Consultoria e Projetos Ltda, for the SRE - Structural Reanalysis Service of the fixed platforms in the Campos Basin, and responsible for surveys and engineering solutions.

Projects: FPSO P53

Customer: Petrobrás

- Company: Suporte – Consultoria e Projetos Ltda
- Position: Consulting Engineer / Coordinator
- Date: May / 07
- Main activities: Participation in the structural team of CEB - Consorcio Engenharia Brasil through the company Suporte – Consultoria e Projetos Ltda. Elaboration of the structural executive project of the P53 generation module with support to the work at the Mac Laren shipyard in Niterói RJ.

ONSHORE: CONSULTING – DESIGN – MANUFACTURING – ASSEMBLY

Projects: Passarelas Metálicas com vãos de: 20 m e 24 m

Customer: Prefeitura do Rio de Janeiro RJ

- Company: STEEL – Sociedade Técnica de Engenharia Estrutural Ltda
- Position: Partner – Technical Director
- Date: August / 2017
- Main activities performed: executive structural design, fabrication and assembly of metal structures: subcontracted by CD – Empreendimentos e Construções Ltda

Projects: Estaleiro Naval Rio Grande – ERG2 – Rio Grande - RS

Customer: Ecovix S.A.

- Company: AVATAR – Digital Image Ltda
- Position: Partner – Technical Director
- Date: May / 2011
- Main activities performed: basic and executive structural design of the Block and Panel Factory at the Rio Grande Shipyard, with several overhead cranes, monitoring the assembly of the metal structures, with a covered area of 48,000 m²: subcontracted by Modular – Projetos Ltda

Projects: Ginásio Poliesportivo

Customer: APAE

- Company: I.P.E. do Brasil – Engenharia e Projetos Ltda
- Position: Technical Manager
- Date: Dec/04
- Main activities performed: design, fabrication and assembly of metal structure and foundation of a multi-sports gymnasium with 2,048 m², in Campo Grande, MS.

Projects: Cobertura Metálica

Customer: TRE – Tribunal Regional Eleitoral

- Company: I.P.E. do Brasil – Engenharia e Projetos Ltda
- Position: Technical Manager
- Date: Dec/04
- Main activities performed: design, fabrication and assembly of the metal structure for the roof of the Regional Electoral Court headquarters, covering 3,500 m², in Campo Grande, MS.

Projects: Terminal Rodoviário

Customer: Prefeitura Municipal de Campo Grande M.S.

- Company: I.P.E. do Brasil – Engenharia e Projetos Ltda
- Position: Technical Manager
- Date: Dec/04
- Main activities performed: design, fabrication and assembly of the metal structure of the roof of the Moreninha II Bus Terminal with 960 m² in Campo Grande, MS.

Projects: Centro de Convenções

Customer: Governo do Estado de Mato Grosso do Sul

- Company: Incco – Indústria e Construção Ltda
- Position: Consulting Engineer
- Date: Dec/94
- Main activities performed: design, fabrication and assembly of the metal roof structure of the Convention Center – Palácio Popular da Cultura with 5,500 m² in Campo Grande, MS.

Projects: Museu de Arte Contemporânea

Customer: Governo do Estado de Mato Grosso do Sul

- Company: Coplan - Engenharia Indústria e Comércio Ltda
- Position: Consulting Engineer
- Date: Dec/94
- Main activities performed: design, fabrication and assembly of the metal roof structure of the Museum of Contemporary Art with 1,200 m² in Campo Grande, MS.

Projects: Parque do Produtor

Customer: Governo do Estado de Mato Grosso do Sul

- Company: Nautilus – Engenharia e Construções Ltda
- Position: Consulting Engineer

- Date: Dec/94
- Main activities performed: design, fabrication and assembly of the metal roof structure of the Parque dos Produtores (Producers' Park) with 12,000 m2 in Campo Grande, MS.

Projects: Centro Administrativo da Enersul

Customer: Governo do Estado de Mato Grosso do Sul

- Company: Coplan – Engenharia Industria e Comércio Ltda
- Position: Consulting Engineer
- Date: Dec/94
- Main activities performed: design, fabrication and assembly of the metal roof structure of the Enersul Administrative Center with 17,000 m2 in Campo Grande, MS.

Projects: Hangares / Ginásios / Prédios Industriais – Comerciais - Residenciais

Clientes: Diversos

- Company: W.T. Engenharia Industria e Construção Ltda
- Position: Technical Director
- Date: Dec/94
- Main activities performed: design, fabrication and assembly of various types of metal structures such as: hangars, multi-sports gyms, gas stations, industrial, commercial and residential buildings.

ONSHORE: PROJECTS – CONSTRUCTION SUPPORT & CONSULTING

Projects: Danubio – (Terminal de Grãos)

Customer: Cargill S.A.

- Company: STEEL – Sociedade Técnica de Engenharia Estrutural Ltda
- Position: Partner – Technical Director
- Date: May / 2021
- Main activities performed: basic structural design of truck tippers at the Paranaguá PR unit: subcontracted by Planave S.A. – Estudos e Projetos de Engenharia

Projects: Terminal Portuário

Customer: Método Racional x Hidrovia

- Company: STEEL – Sociedade Técnica de Engenharia Estrutural Ltda
- Position: Partner – Technical Director
- Date: March / 2021
- Main activities performed: technical support for a construction project in Santos, SP: subcontracted by Planave S.A. – Estudos e Projetos de Engenharia

Projects: Terminal de Minério – Ilha Guaíba – Itacuruçá - RJ

Customer: Vale S.A.

- Company: AVATAR – Digital Image Ltda
- Position: Partner – Technical Director
- Date: Aug/10
- Main activities performed: executive structural design of wagon tippers 3 sub-contracted by R.Peotta – Engenharia Ltda

Projects: Estaleiro e Base Naval – Marinha do Brasil

Clientes: CNO – Construtora Norberto Odebrecht – DCNS – Marinha do Brasil

- Company: RPGP – Engenheiros Associados Ltda
- Position: Maritime Works Coordinator
- Date: Mar/10

- Main activities performed: coordination of the civil engineering team for the projects of quays, dry docks and industrial sheds for the Shipyard and Naval Base of the Brazilian Navy – in Itaguaí RJ

Projects: Onça Puma

Customer: Vale S.A.

- Company: Planave S.A. – Engineering Studies and Projects
- Position: Consulting Engineer
- Date: Nov/08
- Main activities performed: coordination of the metal structure team for industrial projects at Cia Vale – Projects executed: Nickel Terminal – Ourilândia.

Projects: Armazém para Fertilizante

Customer: A.D.M. S/A

- Company: Zortéa – Construções Ltda
- Position: Consulting Engineer
- Date: July 2005
- Main activities performed: reinforced concrete structure design for an industrial fertilizer warehouse with 5,940 m2 in Rondonópolis, MT.

Projects: Armazém para Fertilizante

Customer: CARGILL S/A

- Company: Zortéa – Construções Ltda
- Position: Consulting Engineer
- Date: Apr/05
- Main activities performed: reinforced concrete structure design for an 8,800 m2 industrial fertilizer warehouse in Sorriso - MT and another with 5,940 m2 in Paranaguá – PR

Projects: Gasoduto Brasil Bolivia

Customer: Enron S.A.

- Company: IPE – do Brasil Ltda
- Position: Technical Manager
- Date: Dec/97
- Main activities performed: route planning and GIS topographic monitoring. Environmental licensing of the San Matias - BO to Corumbá - MS section.

Projects: Centro de Convenções

Customer: SEBRAE – M.T.

- Company: Private
- Position: Technical Consultant
- Date: Dec/95
- Main activities performed: structural diagnosis and technical monitoring together with the Professors - Consultants of the School of Engineering of São Carlos S.P. in Cuiabá M.T.

Projects: Muros de arrimos e Fundações

Cientes: Diversos

- Company: Geotécnica – Engenharia e Fundações Ltda
- Position: Junior Engineer
- Date: Dec/77
- Main activities performed: structural design of retaining walls and various foundations

Projects: Pier e Dolphins**Cientes: Diversos**

- Company: ECP – Engenheiros Consultores e Projetistas Ltda
- Position: Junior Engineer
- Date: Apr/77
- Main activities performed: structural design of dolphins and piers

Projects: Ferrovia do Aço**Customer: Governo Federal**

- Company: Antonio A. Noronha Serviços de Engenharia Ltda
- Position: Junior Engineer
- Date: Mar / 76
- Main activities: Participation in the Engefer project – Ferrovia do Aço – Lot 8 – Itutinga x Volta Redonda – surveying activities, launching of engineering structures (viaducts – tunnels) and later participating in the structural team at the Figueiredo Ferraz Technical Office.

Projects: Industriais**Customer: Ciba Geyger**

- Company: Maubertec – Escritório de Engenharia Ltda
- Position: Junior Engineer
- Date: June 1975
- Main activities: Participation in the industrial project of Ciba Geyger and Molins do Brasil – participation in the structural team.

OTHER ACTIVITIES

- Adjunct Professor: Veiga de Almeida Association – RJ
Period: Aug/78 – Feb/79
Courses taught: Strength of Materials I
- Assistant Professor: Santa Úrsula University – RJ
Period: Aug/78 – Feb/79
Courses taught: Strength of Materials I
- Assistant Professor: Mato Grosso State University – MT
Period: Jan/80 – Dec/80
Courses taught: Strength of Materials I
- Assistant Professor: Federal University of Mato Grosso do Sul – MS
Period: Aug/81 – Oct/90
Subjects taught: Strength of Materials I and II
Structural Statics I and II
Metallic Structures I and II