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## **WILTON PAVIN**

Brazilian, born on May 27<sup>th</sup>, 1956 in São Caetano do Sul/SP

Contact: Rua Luiz Oliveira 145 – apto 161  
Parque das Flores – Campinas/SP – Brazil – ZIP Code: 13087-610  
Mobile: +55 11 9 7636 7481  
[wpavin@gmail.com](mailto:wpavin@gmail.com)

### **GRADUATION**

- Bachelor of Science in Mechanical Engineering (B.S.M.E.) by Escola de Engenharia Mauá in São Caetano do Sul/SP in December 1978.

### **SUMMARY OF QUALIFICATIONS**

- 38 years of performance both in the local market and the international market, focusing on Power Generation and Oil & Gas (On/Off Shore), managing projects with PETROBRAS and other tier players, covering from the business strategy, bidding and negotiation, until the execution of the projects themselves.
- 3 years with EGESA ENGENHARIA which I helped to earn US\$1.25 billion On Shore contracts with PETROBRAS, contributing to rise this company, successively, from the 914<sup>th</sup> position in 2009 to the 478<sup>th</sup> position in 2010, and 402<sup>th</sup> position in 2011 according to the Brazilian ranking "The Best and The Biggest" of EXAME magazine.
- Almost 4 years of activities with SCHAHIN ENGENHARIA which I helped to develop the Off Shore Yard of São Sebastião/SP dedicated to FPSO's Modules construction being the Project Manager of 2 Projects for MODEC (MV26 – Cidade de Itaguaí and MV27 – Cidade de Caraguatatuba).

### **PROFESSIONAL LIFE EXPERIENCE**

- TECNOMOV Comércio e Engenharia Ltda. throughout 2016 in São Paulo/SP

#### **Project Manager (engineering/biddings/projects)**

- Providing development services of technical and commercial proposals, as well as project management services, for Logistics (COSAN Rumo ALL REVAMP of Rondonópolis/MT and Porto de Santos/SP Plants).

- WPAC – Wilton Pavin Assessoria Comercial – ME throughout 2015 in Campinas/SP

#### **CEO (engineering/biddings/projects)**

- Providing advisory services in development of technical and commercial proposals for Oil & Gas (PETROBRAS: Port of Imbetiba, Macaé/RJ; Floating Roof Tank at TEBAR, São Sebastião/SP; 20 Process Skids for UPGN COMPERJ Consortium QGIT, Itaboraí/RJ; BGL-1 & STINGER-3 REVAMP at Baía da Guanabara/RJ; SNOx and Carteira de Enxofre Projects at RNEST, Ipojuca/PE); Chemical & Petrochemical (KATRIUM Chemical Plant REVAMP, Honório Gurgel/RJ).

- Schahin Engenharia S/A from 2011 to 2015 in São Paulo & São Sebastião

#### **Project Manager (engineering/biddings/projects)**

- Project Manager for construction of 3 Modules: 1P (HP & LP Flare KO Drums – 286ton) 2P (HP Separation / Produced Water Treatment – 1,879ton) and 8P (SW Treatment & Injection – 1,911ton) for the FPSO MV27 – Cidade de Caraguatatuba of MODEC in a contract of US\$80 million (*on going*).
  - Project Manager for construction of 5 Modules: 0C (VRU – 329ton) 1C (VRU – 3321ton) 3S (Main Compressor A – 569ton) 4S (Main Compressor B – 1,135ton) 5S (Reinjection Compressor – 589ton) for the FPSO MV26 – Cidade de Itaguaí of MODEC in a contract of US\$50 million (*concluded*).
  - Project Manager for construction of 4 Modules: 1P (HP & LP Flare KO Drums – 253ton) 3P (HP Separation / Produced Water Treatment – 1,886ton) 4P (Gas Sweetening – 1,000ton) and 5P (Gas Dehydration – 1,035ton) for the FPSO MV29 – Tartaruga Verde Mestiça of MODEC in a Pre-Bid Agreement Contract of US\$99 million (*on hold*).
  - Bidding Coordinator to supply 88 Modules for the Packages II, III, IV and V of 8 FPSOs (Floating Production Storage Offloading Platform P-66 to P-73) for the PETROBRAS subsidiaries Tupi BV &
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Guará BV (a total of 88,375ton comprising 29,230ton of steel structures 15,324ton of piping 43,821ton of equipment and 14,416 instruments) in a total amount of US\$2.5 billion.

- Bidding Coordinator by SCHAHIN in a Consortium with TECHINT, ENGEVIX and IESA to bid UFN-V (a Nitrogenous Fertilizer Plant at Uberaba/MG) for PETROBRAS to produce 1,500ton/day of ammonia from natural gas in a total amount of US\$1.1 billion.

➤ EGESA Engenharia S/A from 2008 to 2011 in many places

**Project Manager (engineering/biddings/projects)**

- Bidding Coordinator by EGESA to won US\$1.25 billion in contracts with PETROBRAS, highlighting:
  - Pipeline Rio de Janeiro – Belo Horizonte GASBEL II – Patch C (Φ16" x 150km)
  - Pipeline Port of Suape – RNEST (14 lines of 7km each) in Consortium with CONDUTO
  - Industrial Waste Treatment Plant – ETDI (600 m3/h) for RNEST in Consortium with TKK
  - Cooling Towers Plant (21 cells x 45,300m3/h total) for RNEST in Consortium with TKK
  - Diesel Plant Off Site (3,000ton of piping and a GIS Substation) for REPLAN in Consortium with JARAGUÁ
  - Tanks Farms (37 tanks x 20,000ton total) for COMPERJ in Consortium with JARAGUÁ
- Engineering Manager by EGESA in 2 contracts with PETROBRAS, namely:
  - ETDI & Cooling Towers Plant for RNEST (overall contract value of US\$365 million)
  - Diesel Plant Off Site for REPLAN (overall contract value of US\$176 million)

➤ Construtora Andrade Gutierrez S/A throughout 2008 in Buenos Aires/Argentina

**Supply Manager (application engineering /supplies/projects)**

- Team building and managing the staff responsible for implementing the procurement plan and the supply contracts for the Proyecto ACARBB (*Adecuación de Calidad de la Refinería Dr. Ricardo Eliçabe of Petrobras Energía SA – PESA*) in Bahía Blanca, Argentina: FCC REVAMP with KBR technology and brand new naphtha and diesel HDT Plants with AXENS technology (overall contract value of US\$250 million)

➤ INEPAR/IESA Group from 2000 to 2007 in many places

**Project Manager (engineering/biddings/projects)**

- Team building and managing the staff responsible for developing EPC solutions, highlighting:
  - Off Shore Projects: Semi-Subs P-51 and P-52 (Compression Modules for Nuovo Pignone / PETROBRAS) and PRA-1 (Fixed Platform for PETROBRAS)
  - Fosfertil – Expansion of Uberaba Industrial Plant (Sulfuric and Phosphoric Acid Units)
  - Clealco Plant – Queiroz Unit (sugar cane bagasse cogeneration plant)
  - Araraquara TPP (520MW natural gas combined cycle thermal power plant) for EDP in Consortium with FIATENGINEERING
  - Canoas TPP (conversion to dual fuel of a 170MW simple cycle natural gas thermal power plant) for REFAP PETROBRAS
  - Macaé Merchant TPP (500MW simple cycle natural gas thermal power) for El Paso Energy in Consortium with KVAERNER
  - San Marcos (Bolivia) & Corumbá TPP's (2x80MW simple cycle natural gas thermal power plants) for PETROBRAS in Consortium with Duke Energy
  - Sepetiba TPP (1.4GW coal fired thermal power plant) for Itaguai Energy
- Project Manager for Clealco Plant and Engineering Manager for Canoas TPP and San Marcos (Bolivia) & Corumbá (Brazil) TPP's.

➤ GENESIS Engenharia S/C Ltda from 1993 to 2000 in Campinas/SP

**Project Manager (engineering/biddings/projects)**

- Team building and managing the staff responsible for developing EPC solutions, highlighting:
    - Campo Grande TPP (3x100MW natural gas combined cycle thermal power plant) technical and economic feasibility studies for ENERSUL
    - Carioba TPP (2x15MW oil fired power plant repowering studies for upgrade to 300MW natural gas combined cycle) for CPFL
    - Corumbá TPP (2x55MW natural gas combined cycle thermal power plant) technical and economic feasibility studies for ENERSUL
    - Piratininga TPP (repowering studies for the units 1-2 for 2x100MW 3-4 for 2x136MW and 5-6 for 2x350MW of the thermal power plant from oil to natural gas combined cycle) for ELETROPAULO
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- IMA – Informática de Municípios Associados S/A from 1991 to 1993 in Campinas/SP  
**Operations Manager (application engineering)**
- Team building and managing the staff responsible to replace (*downsizing*) the mainframe IBM 4381 R14 by a distributed computing structure (client-server model architecture) and implementation of a Geographic Information System.
- Enerconsult Eng. Ltda (Arcadis Logos Group) from 1989 to 1991 in São Paulo/SP  
**Project Engineer (application engineering)**
- Team building and managing the staff responsible to set up 2 waste asphalt thermal power plants for CESP in combined operation with PETROBRAS refineries REPLAN (Paulínia/SP) and REVAP (São José dos Campos/SP).
- L&P Engenharia e Sistemas S/C Ltda from 1985 to 1988 in São Paulo/SP  
**Partner Manager**
- Responsible for the operations of the company.
- SBE Soc. Bras. Eletrificação S/A (ABB Group) from 1984 to 1985 in Belo Horizonte/MG  
**Planning Supervisor**
- Responsible to develop and implement an integrated system for budgeting, planning and control the construction of transmission lines and electrical substations.
- elc - Electroconsult Engenharia Ltda from 1979 to 1984 in São Paulo/SP  
**Engineer**
- Technical and economic feasibility studies, evaluation and selection of investment projects for the installation of thermal power plants, highlighting:
    - Study for coal utilization in Nigerian coal coking industrial plant (300,000ton/year of coke) for NCC – Nigerian Coal Corporation
    - Studies for energy usage of national coal for GECAM - Working Group of the Ministry of Mines and Energy
    - Studies using sugar cane bagasse in cogeneration thermal power plants for CESP
    - Technical and economic feasibility studies for 3x40MW Solid Waste Thermal Power Plants for CESP
    - Technical and economic feasibility studies for 1x7.5MW Solid Waste Thermal Power Plants for COPEL
    - Carioba TPP (2x15MW oil fired power plant repowering studies for upgrade to 300MW methanol simple cycle) for CPFL
    - Igarapé TPP (1x125MW oil fired power plant conversation studies to charcoal or peat or wood) for CEMIG
    - Jorge Lacerda III & IV TPP (2x125MW and 1x350MW coal fired thermal power plant basic design and studies for expansion of thermoelectric complex) for ELETROSUL
    - Presidente Medici (Candiota) Phase B TPP (2x160MW coal fired thermal power plant basic design and planning) for CEEE
- Pirelli Cabos de Energia e Sistemas do Brasil S/A throughout 1978 in Santo André/SP  
**Trainee**
- Experiments with oil filtration by vacuum for high voltage cables.
- Colégio Técnico Industrial Empresarial “Jorge Street” from 1977 to 1979 in São Caetano do Sul/SP  
**Full Professor**
- Responsible for Materials Strength professorship.

#### LANGUAGES

- Fluent in English
- Reasonable in Spanish, Italian and German

#### ADDITIONAL INFORMATION

- 38 countries visited so far, to work and/or for leisure
- Paris, Singapore, Abu Dhabi, Tokyo, Beijing, Bangkok, Pattaya in the past 2 years because of MODEC's FPSO's Projects
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