



Jose/Joseph Bernedo
CURRICULUM VITAE



Artificial Lift/ Production Optimisation/Well Completions

20 Years Industry Experience

SYNOPSIS

Extensive experience in production optimisation, artificial lift, well completions, upstream facilities, production technology, project management and production operations in the Oil & Gas Industry, tertiary qualified. Demonstrated ability to work within multi-disciplinary teams including production engineers, production technologists, reservoir engineers, drilling, completions, and economic staff, both in operating and consultant environments.

Effective contributions to business goals through the ability to diagnose operational issues realize solutions, make decisions, lead, motivate and mentor team members. Ability to bring about production and project targets, implement plans, build knowledge base, promote new methods, encourage positive change, defining optimisation strategies and planning with sound people management skills. Project Management experienced reinforced with an MBA focused in contract and commercial activities.

KEY AREAS OF EXPERTISE

Artificial Lift: ESP, Gas Lift, PCP, Hydraulic Pumping, Rod, Jet Pumps, Plunger Lift, MPPs
Well Completion: Open hole, cased hole, safety valves, packers, gauges, DTS, wellheads, ICDs
Prod. Optimisation: GAP, Pipesim, Prosper, Nodal Analysis
Offshore: Flowlines, 3, 4, 6 legged platforms, topsides, ESPs, VSDs, Blowout systems
Subsea: Multi-phase pumps, compressors, flowmeters, manifolds, umbilical, swivels
Oil & Gas Production Technologies & Operations
Mechanical Engineering (Oil & Gas Equipment & Process)
Facilities Development (Offshore and Onshore)
Facilities: Pipelines, Separators, Injection, Pipelines, Power, I-field
Process: Compressors, Pumps, Valves, Separators, Hydrocyclones, Injection, GTs, TEGs
Project Engineering and Management

PROFESSIONAL EXPERIENCE

SANTOS LIMITED

SENIOR PRODUCTION & FACILITIES CONSULTANT – June 2012 - today

Current Projects/Tasks:

- Scotia Facilities Concept Design Senior Facilities Engineer
 - Supervised KBR concept design team: Artificial Lift systems, Compressors, Gathering system, wellpads
 - GAP flow assurance & engineering evaluation
 - Artificial Lift & Facilities Economic Evaluation
 - Facilities Lead for the Scotia Asset Manager
- APLNG tie to GLNG Fairview Project
 - Basis of Study, SOW, AFE for LLI
 - Contractor selection (KBR & Worley Parsons)
 - GLNG Technical representative with APLNG
 - Dealings and negotiations with JV partners

- Alternative Development Initiative
 - Member of the Peer Review team. BOS for Design Optimisation of ESPs/PCPs, wellpads, compressors & gathering systems

SAUDI ARAMCO – SAUDI ARABIA

UPSTREAM PRODUCTION & FACILITIES & PROJECT DEV. SPECIALIST JUNE 06 – May 12

Projects/Tasks performed:-

- Team leader: mechanical, petroleum & project management
- Member of the Board of Engineering Standard committee of Saudi Aramco
- Liaise with EPCM McDermott and FEED Worley Parsons
- Project Manager Safaniyah Field Development with 39 ESP wells:5 offshore PFs & subsea TL
- Project Manager for Implementation of SIMOPS for Abu Safah offshore field
- Sea Water power Injection conversion project.
- New 2.5 MW high efficiency multi-stage compressor facilities for GOSP-3 Abqaiq field.
- AFK Water Injection flexibility with multistage chokes project.
- Qatif field Risk Assessment and Onshore Safety Standard review board member.
- Qatif offshore field single well platform & subsea flowline development.
- I-Field upgrade and implementation for Southern Area Production Engineering.
- Abu-Safah blowdown facilities development.
- Surface facilities simulation models for Qatif, AFK and Abu Safah.
- Slug effects on Qatif Separator vessel internals at Central Processing Facility
- Platform slot recovery process for Abu Safah and Safaniyah offshore
- Hydrocyclone sand separators for Qatif water supply project.
- Abu Safah subsea Flank #3 & #4 project 34.5 KV power upgrade for Abqaiq field
- ESP vs Gas Lift Evaluation for Manifa Project. Artificial Lift Master Plan team member.

DOWELL SCHLUMBERGER

ARTIFICIAL LIFT BUSINESS DEVELOPMENT MANAGER JUL 05 – MAY 06 SCHLUMBERGER WESTERN AUSTRALIA

Projects/Tasks performed:-

- Project Manager Maari ESP Field Development for OMV.
- Artificial Lift advisor to application engineer
- Water Injection Program for Santos, Origin and OilSearch
- Apache ESP Well Performance Analysis – Pipesim, ALXP softwares

ARTIFICIAL LIFT & WELL COMPLETIONS & PRODUCTIVITY BUSINESS DEVELOPMENT MGR APR 03 – JUN 05 SCHLUMBERGER INDONESIA

Projects/Tasks performed:-

- FEED for Total Indonesia Gas Well Test Barge equipped with Framo Multi-phase Pump : Barge designed to test Gas Wells before LP Flowline Project begin (scheduled for 2010) i.e MPP utilized to reduce well head pressure to simulate LP flow line condition.
- Prepared a Gas Lift Optimisation Programme for Tunu Field – Total Indonesia
- Presented and implemented Gas Lift Optimization Project for Yakin & Seppingan Fields for Unocal Indonesia, involving multi-phase meters, well design, real time production monitoring and production optimisation.
- Prepared a Gas Lift Optimisation Programme for Bunyu Field – Pertamina
- Proposed Project and Project Manage & Commission Satellite ESP remote monitoring & control for Unocal Mahoni field.
- Co-author of Monitoring, Analysis & Optimisation SPE paper for Mahoni field Unocal
- Secured 3 major projects for Artificial Lift, Completions and Optimisation with Unocal Indonesia
- Design and supply of Multi-phase meter, for West Seno FSO
- Introduced Framo Wet Compressor to Unocal Sadewa Monopod project.



- Prepared Gas Lift Optimisation programme for Handil operations Total Indonesia
- Project Engineer for Gas Lift Optimisation for Pertamina Kalimantan operations
- Monitor successful operation of PVT sampling for West Seno project Unocal with Oilphase
- Performance appraised with an “O” as outstanding performance

**ARTIFICIAL LIFT BUSINESS DEVELOPMENT MANAGER JUL 01 – MAR 03
SCHLUMBERGER WESTERN AUSTRALIA**

Responsibilities included:-

- Successfully introduced Subsea Framo Multi-phase Pumps, Subsea Manifolds and Subsea Multi-phase metering for Santos Mutineer Project
- Introduced Sub-sea Multi-phase production method/opportunity for Woodside Cossack Satellite and Enfield & Laverda projects
- Designed, tender and secured Gas Lift Contracts with Esso and Apache Energy
- Performed an ESP Gas Handling Study for Apache Stag and Introduced Poseidon gas handling technology.
- Provided technical assistance, consultancy, strategic planning and budgeting to operations
- Renewed existing ESP contracts with Apache Energy and Santos Petroleum
- Designed and supplied Gas Lift and completion equipment for Agip Woollybutt
- Project Manager for Bloodwood-1 Well Testing.
- Secured Contract with Lihir Gold Mine in PNG for Hyper saline water ESP
- Introduced ESPs in new markets such Water Corporation, Coal Mine & Process Industries
- Market Awareness presentations to Oil & Gas, Water and Mining Consultants & Operators
- Revenue, stock, headcount and Capex forecast and budgeting
- Performance appraised with an “O” as outstanding performance

KELAIR AUSTRALIA PTY LTD

**OPERATIONS MANAGER JAN 97 – JUL 01
WESTERN AUSTRALIA**

Responsibilities included:-

- Manage a team of 7 including application engineers, process engineers and support personnel
- Recruit and train all WA team to company’s culture and standards
- Support and service key major Oil & gas accounts, OEM and consultants
- Project engineer for Transfield-Worley Cossack Pioneer FPSO refurbishment project with the supply of Fuel Injection Pump skid, and Chemical Injection skid.
- Introduced new products to service line such as Nuovo Pignone, Byron Jackson, GE Pumps
- Secured Contracts with Tiwest, Water Corporation, Murrin Murrin, among others
- Introduced unique Molten-Sulphur diaphragm pumps for Bulong Nickel
- Project engineer for the supply of 1.4 MW Pumps for Neerabup Water Treatment Plant
- Establish repair and services facilities in Malaga WA

**POWER GENERATION ACCOUNT MANAGER SEP 94 – JAN 97
NEW SOUTH WALES**

Responsibilities included:-

- Develop and sustained customer relationships doubling revenue in 16 months.
- Secure contracts with ABB Power, John Thomson, Rolls Royce, Maxitherm, & Transfield power generation.
- Support and service key accounts within Power Generation Industry, OEM and consultants
- Solution for Ethanol Injection Process for ICI Sydney
- Awarded “Kelair Professional of the Year” in 1995 and 1996
- Prepare tenders, supervise contracts.
- Promote new services and technical presentations.
- Mentor outstanding Application Engineers to the team



UQ – UNIVERSITY OF QUEENSLAND

MASTER IN BUSINESS ADMINISTRATION (FINANCE/MARKETING) FEB 92 - JUN 94

Responsibilities included:-

- Attain a MBA degree in General Management and Finance. The 18 subjects program and Research Report designed for a 2-year full time completion.

BAKER HUGHES COMPANY

ARTIFICIAL LIFT BUSINESS DEVELOPMENT ENGINEER MAY 90 – FEB 92 BJ OF VENEZUELA

Responsibilities included:

- Develop market penetration strategies and increase market share of Well Completions and Productivity equipment.
- Develop customer relationships in a market with solid & long presence of competition
- Prepare a Marketing Research for the Venezuelan Market
- Prepare a feasibility study for a Centrilift Repair Centre in Maracaibo.
- Initiate the implementation of the first Centrilift Repair Centre in Venezuela
- Develop new markets seeking new applications in other areas such as Anaco, Maturin and Puerto La Cruz.

SENIOR ARTIFICIAL LIFT ENGINEER MAY 87 – APR 90 HUGHES TOOL OF BRAZIL

Responsibilities included:

- Participate in the product development of ESP and completions equipment in Brazil oil market.
- Create a lay-out and distribution of plant extension in Hughes Tool factory
- Train customers and local staff. Develop assembly, disassembly, inspection & testing standard procedures
- Elaborate equipment failure diagnosis and recommendation procedure
- Provide technical presentations for high and medium Petrobras customer levels
- Introduced first ESP for deep water well first ever in Brazil
- Elaborate failure reports, quotations, invoices, sales forecast, budgets, and sales strategies

HEAD OF ARTIFICIAL LIFT OPERATIONS AND SERVICES APR 86 – AUG 87 CENTRILIFT OF PERU

Responsibilities included:

- Supervise the installation of Centrilift repair centres in Peru and Colombia.
- Train operators for disassembly, assembly testing and inspection of Centrilift equipment
- Conduct QA programs and implement engineering changes
- Develop PC software to evaluate pump performance as per API standard
- Elaborate repair/fault diagnosis reports, tenders and technical proposals
- Develop customer relations. Conduct technical advice and training courses.

ARTIFICIAL LIFT TRAINEE ENGINEER JUL 85 – APR 86 – CENTRILIFT USA & ARGENTINA

Responsibilities included:

- Prepare electrical & pneumatic and physical lay-out for the Peruvian and Colombian Repair Centres.
- Understand and master all product lines. Get acquainted with company's standard procedures and know-how



- Participated on the development of the Brazilian repair Facility project
- Received training in the following areas: Quality Control, Engineering, Field Service, Repairs, Application Engineering, Marketing and Sales

PETROPERU – PERUVIAN OIL COMPANY

FACILITIES INSTRUCTOR SEP 84 – JAN 85 – LIMA & TALARA

Responsibilities included:

- Provided training in Sizing of Storage Tanks, Pressure Vessels and Heat Exchangers.
- Provided training in Sizing and Distribution of Pipes and Accessories

EDUCATION

MBA Master in Business Administration, University of Queensland – St Lucia – QLD – Australia

Bachelor in Mechanical Engineering, Federal University of Rio de Janeiro – RJ– Brazil

Diploma in Process Engineering, Federal University of Rio de Janeiro – RJ – Brazil

TRAINING & CONTINUED DEVELOPMENT

<ul style="list-style-type: none"> • ESP 1, in Argentina and 2 in Claremore, USA (85) • Sales Competitive Edge, Claremore, USA (87) • Computer Aided Pump Design, Claremore, USA (87) • Advanced Variable Speed Drive, Claremore, USA (89) • Horizontal Pumping, Claremore, Oklahoma, USA (89) • Professional Selling, Sydney, Australia (96) • Advanced Tendering, Australia (97) • Managing your Team, Melbourne, Australia (99) • Diaphragm Process Pumps, Singapore (00) • Magnetic Seal/less pumps, Eastbourne, UK (00) • Bormenann Multi-phase Pumping, Singapore, (01) • Advanced ESP Operations Course, Singapore (01) • Gas Lift Design and Technology, Perth (01) • Framo Multi-phase Boosting , Perth (01) • QHSE for Managers, Perth (01) • Completion Systems XT for Managers, Houston (02) • Advanced Gas Lift Design, London (02) • Target Account Prospecting, Perth (02) 	<ul style="list-style-type: none"> • ESPs on High GOR wells, France (03) • Strategic Account Management , Indonesia (03) • People Management, Singapore (03) • Coil Tubing for ESP Systems, France (04) • Well testing Cross training for Managers, France (05) • Project Management, Houston (05) • Advanced Project Management, Perth (06) • Gap & Prosper Modelling, Saudi Arabia (07) • Production Operations, Saudi Arabia (08) • Well Completions & Workover, Saudi Arabia (08) • E&P Project, Facilities & Const. Forum Banff (08) • Material Balance & OLGA, Saudi Arabia (09) • Applied Reservoir Management IFP France (10) • Multi-phase pump workshop Saudi Arabia (11) • Offshore Technology Conference, Brazil (11) • Oil & Gas Water Management, Khobar (12) • Advanced Oil Field Processing IFP, Khobar (12) • Myplant Santos (12) • WebGIS Santos (12)
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LANGUAGES

Spanish (native)
 Portuguese (fluent)
 Italian (speaks & read)
 French (read)

SPE PAPER

Sensible energy savings by enhancing design practices of Water Injection Systems
 2012 SPE-SAS Annual Technical Symposium & Exhibition, Khobar, KSA

ASSOCIATIONS

SPE: Society of Petroleum Engineers since 1991
 CREA: Regional Engineering Council of Brazil



CIP: Association of Engineers of Peru

CPEng: Chartered Professional Engineer of Australia (under renewal)

SOFTWARE PROFICIENCY

Nodal Analysis: Pipesim – Baker Jardine, Prosper, Wellflo,

Facilities Modelling: GAP, Pipesoft, OLGA, Hysis

Exploration & Producing: GIS

Artificial lift: Gas Lift Design (Baker Jardine), Subpump & Design Pro for ESP, WellFlo, Autograph

Production Optimisation: Schlumberger Lift-Pro, Propman (Baker Jardine), Well Link

Reservoir: MBAL, IFM (Integrated Field Management) Petroleum experts

All Windows software including MS Project and Visio

Others: SAP, Oracle, Enable, Babelfish

