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PROFESSIONAL PROFILE:

Electromechanical Engineer with 25 years of multidisciplinary experience in local and international projects related to High Voltage, Medium Voltage, Energy Distribution, Generators, Transportation, Air Conditioning, Special Systems and Maritime Equipment, Systems and Installations. Maritime experience as service engineer onboard ships and yachts at dry dock, floating docks and high seas. Expertise as Insurance Claim Adjuster, Condition and Value Surveyor.

EDUCATION:

- Electromechanical Engineer - License 93-024-019 – Universidad Tecnológica de Panamá, 1993
- Yacht Captain Certificate - Universidad Marítima Internacional de Panamá, 2010
- Yacht Captain Register at Panama Maritime Authority - Seafarer Passport P0017007
- Electrical Engineer Register at Panama Maritime Authority - Seafarer Passport P0016991
- ***Survival at Sea*** Course - Escuela Técnica de Marineros, 2010
- ***Fire Fighting*** Course - Escuela Técnica de Marineros, 2010
- ***First Aids Training*** Course - Escuela Técnica de Marineros, 2010
- ***Personal Safety and Social Responsibility*** - Escuela Técnica de Marineros, 2010
- PADI Certificate Open Water Scuba Diving

LANGUAGES: Spanish (native), English, Italian

PROFESSIONAL EXPERIENCE:

Electromechanical Engineer Specialist - Condition & Valuation Surveyor – (2010 - today)

Electromechanical Consulting Engineer providing the following services: Pre-Purchase Condition & Valuation Survey, Insurance Condition & Valuation Survey, Marine Appraisals, Risk Inspections Reports, Commissioning Reports, COB (Continuity of Business) Inspection Reports, Fault Root-Cause Analysis Reports.

Condition and Value Survey for 230 KV Energy Power Plants:

- Hydro Power Barro Blanco 26.56 MW, Tole Chiriquí - April 2018
- Hydro Power Paso Ancho 6.782 MW, Volcan, Chiriquí - May 2018
- HFO and LFO Power Plant La Chorrera 156 MW - June 2018

Insurance Claim Adjustments:

- ETESA- Adjuster on Insurance claim of damages resulting from explosion incident at 230kV Transmission Substation occurred on Dec 26, 2016.
- ETESA - Adjuster on Insurance claim of damages resulting from explosion incident at 230kVA Transmission Substation occurred on July 17, 2017.
- ETESA - Adjuster on Insurance claim of damages resulting from explosion incident at 230kVA Transmission Substation occurred on July 17, 2017.
- Coclé Solar Venture – Adjuster on Insurance claim for damages at Penonome PV Farm – Aug 2017
- Hotel Marriott Courtyard Multiplaza – Busbar explosion – Mar 2017
- DHL – Temperature Excursion at Cooling and Freezer Warehouse – Jan 2017
- 37 tons DX Split HVAC damaged from a Fire Burnout Incident – Nov 2016

Value Report

- Transocean Panamá - Appraisal of Equipment and Installation of the Panama FO System - Jan 2017

Yacht Value and Condition Survey

- 45' Yacht, GameFisherman, 2 x 450HP – Diablo Spinning Club, June 2018
- 45' Yacht, Rampage 2x650HBP – Vista Mar Marina and Resort, June 2018

Condition and Progress Inspection Report:

- HVAC System at Hospital San Miguel Arcángel at San Miguelito, Panama - April 2018

Electromechanical Maritime Service Engineer - (since 2007)

Electromechanical Engineer with sea going experience providing technical services onboard Cargo, Bunker Ferries, Tugboat, etc at dry docks, floating docks and high seas. Electrical and Electronic Installations, Troubleshooting and Repairs. Subcontractor for: MEC (Marine Engineer Corporation), Talleres Industriales, Cristobal Marine Repair, Professional Ship Repairs, Professional Manpower Supply, Trader Tankers, Intercoastal Marine.

Maritime Works onboard Ships Cargo, Bunker,

- 2018 - Yatch Ambush, *GameFisherman*, 45', Diablo Spinning Club - Condition and Value Survey
- 2018 - Yatch Reelaxing, Rampage, 45', Vista Mar Marina - Condition and Value Survey
- 2012 - MV SCSL, Gatún Lake – Electrical Inspection
- 2012 - Alabama Bell, Balboa Anchorage – Troubleshooting of Oil Cleaning Module Alfa Laval
- 2012 - Jan de Null, Mindy, Colón – Dredge Barge Electrical Control Repair
- 2012 - Hamburg Max, Balboa Anchorage - Electrical Inspection
- 2012 - MV Westermore, Cristóbal Colón - Calibration of Control Atmosphere ICA6450
- 2010 - Latitude, Balboa Anchorage – Troubleshooting of Woodward Voltage Regulator
- 2009 - Cébaco Bay, Puerto Mutis, Veraguas – Installation of 60KW Genset
- 2009 - Cébaco Bay, Coquira, Chepo – Instalation of 40KW Genset
- 2009 - Olga Maersk, Manzanillo, Colón – Troubleshooting of Breaker NSH400
- 2009 - Persei, Cristobal Colón – Troubleshooting of Boiler Burner
- 2009 - Latitute – Balboa Anchorage - Safety Sensors Test of 300kW Genset
- 2009 - Argentina Star – Transfer Power Breaker Repair
- 2008 - Sea Horse Trader, Cristobal Colon – Short Circuit Analysis
- 2008 - Formosa – Balboa Anchorage - Autopilot Review
- 2008 - MT Balboa – Balboa Anchorage - Ruddle Angle Indicator Troubleshooting
- 2008 - MSC Paola, Balboa Anchorage - Ruddle Angle Indicator Troubleshooting
- 2008 - Don Chico, Veracruz Shipyard, Panamá – Hidraulic System Management
- 2008 - Fairplay, Cristobal Colon – Reverse Power Relay Troubleshooting
- 2008 - Navi8 Stahl, Balboa Anchorage – Boiler Ventilation Motor Replacing
- 2008 - Hannover, Balboa Anchorage – Breaker 200A Replace
- 2007 - MV Tristein, Cristobal, Colon – Electrical Inspection
- 2007 - Libertad – E, Balboa Anchorage – Pressure Transmitter Installation
- 2007 - SMIT Mississippi, Cristóbal, Colón – Navigation Lighths Installation
- 2007 - Royal Bay, Cristobal, Colon – Power Pack Installation
- 2007 - Sea Voyager – ACP Shipyard, Genset CAT 3412 Maintenance
- 2007 - Maestro1, Coco Solo, Colon – Smoke Detector Test
- 2007 - Maesro 1, Coco Solo, Colon – Replacing of Water Pump for Genset CAT 3412
- 2007 - Amazing Grace – TRINIDAD Y TOBAGO – Electrical Inspection
- 2007 - Discovery – TRINIDAD Y TOBAGO – Electrical Inspection
- 2007 - Dorsebank – Balboa Anchorage – Air Start Valve Troubleshooting and Repair
- 2007 - CEC Castle – Balboa Anchorage – Electrical Inspection
- 2007 - Smith Panama – Cristobal, Colon – Grounding Fault Alarm Troubleshooting
- 2007 - Bristol Bay – Balboa Anchorage – Power Pack Installation
- 2007 - Feng Li9 – Balboa Anchorage – Ruddle Angle Indicator Review

Maritime Works onboard Yachts

- 2008 - Yatch Hazulay, Sea Ray, 45' – Installation of Autopilot, Fish Finder
- 2008 - Yatch Don Mario, Luhr, 45' - Welding TIG at Aluminum Fuel Tank
- 2008 - Yatch Chandon, Sea Ray 45' - Repair of Heat Exchanger

Medium Voltage Projects (13.2kV)

- 2018- Installation of Primary Metering Cell 13.2KV, Trafo 300KVA, 13.2kV/480V – Marriott Courtyard Hotel
- 2018- Installation of an Automatic Transfer Switch 13.5kV- MarriottHotel, Calle 50, Panamá
- 2018- Installation of a Generador Eléctrico 650KW, 480V -MarriottHotel, Calle 50, Panamá
- 1998- Installation of a Trafo 3500 KVA, 13.2KV/480V - Molino Panameño de Papel, Panamá
- 1994- Installation of an Overhead Primary Line 115kV - “ Safe Haven Operation”, Empire Range, Cocolí,
- 1992- Installation of a Trafo2000KVA, 11.5KV/4.16KV- Fort Gulick, DEH, US Army, Panamá
- 1992- Installation of a Trafo 5000KVA, 11.5KV/4.16KV- Corozal, DEH, US Army, Panamá

Transportation Projects

- 2013-2014 Línea 1 Metro: Installation, Commissioning, Maintenance of electronic and electromechanical equipments of the Electronic Toll and Smart Card System in 13 Stations
- 2013-2014 Bus Rapid Transit (BRT) Stations: Installation, Commissioning, Maintenance of electronic and electromechanical equipments of the Electronic Toll and Smart Card System in 17 BRT:
- 2012-2014 New Transportation Systems (STM): Installation of electronic and electromechanical equipments of the Electronic Toll and Smart Card System in 1236 Buses.

HVAC Projects

- 2016- Insurance Claim Adjuster – 37 Tons DX Split System
- 2016- Insurance Claim Adjuster – Temperature Excursion of Freezing and Cooling WH at DHL ,Parque Sur
- 1993- Installation of Cooling Towers and Condensing Pumps Plaza Concordia, Panamá
- 1993- Installation of Cooling Towers and Chillers Building 43, Balboa, U.S. Army Headquarters,
- 1993-Installation of 12 Air Handling Units at Policlínica Presidente Remón

Professional Engineer - (since 1993)

Suministros Industriales, S.A. (Mar 2017 – Mar 2018): Project Manager for EPC projects on High, Medium Voltage and Energy Saving solutions, Cost Estimating, RFP, Feasibility and ROI Analysis.

Samsung Electronics Latinoamerica (SELA)– (Mar2015 – Dec 2016): Project Manager for new installations, remodeling, repairs, build-out & fit-out works in LATAM facilities

Sonda – (Mar 2012- Mar 2015): Installation, Commissioning, Maintenance of electronic and electromechanical equipments comprising the Electronic Toll and Smart Card System in 1236 Buses, 17 BRT, 13 Stations in Linea 1 Metro. Budget & Cost Control for Maintenance Operations of all electromechanical equipments

Jones-Lang Lasalle- Citibank - (Sep 2010 – Dic 2011): Facility Manager of the Citibank properties portfolio. 150,000 SF, 5 Bldgs, 14branches, 11 agencies, 22 ATM, Accountable of Budget Control and Execution to meet SLA and KPIs according Citi Regional Scorecard.

Instrumentación y Control Aplicado, S.A. - (Jun 2004 - Aug 2010): Electromechanical Designs and Project Manager on commercial, industrial and maritime works.

Papelera Istmeña & Molino Panameño de Papel – (1996 – 2004): Operation Management, Labor Supervision and Cost Control of 4 production lines 24/7, 600 MT. Chief of Electrical and Mechanical Maintenance of a 600MT Tissue Mill and 400MT Paper Roll Converting..

MCC Construction Corporation – (Jul 1995 – Mar 1996): Construction Project Engineer/Estimator for projects inside of US Air Force Facilities in Panama.

Harbert-Yearging Construction – (Mar1994 – May 1995): Construction Project Engineer/Estimator for projects inside of US Army Facilities in Panama.

Training

- 2017-Panama – Autodesk REVIT MEP 2017 - Certificate No. 1MUSBTDL66 – PC CAD, S.A.
- 2016-Panama – REVIT Architecture 2016 – Certificate No.1MRICY7362 – PC CAD, S.A.
- 2016-Panama – NFPA20 Fire Protection Pump Installation Regulation
- 2015-Panamá – Service Vendor Manager – Samsung SELA
- 2011-Panamá – Thermography and Maintenance of Motors and VFD – FLUKE Elvatron
- 2007- San Jose, Costa Rica: “Maintenance, Programming and Troubleshooting SLC500” Rockwell Automation
- 2005- San Jose, Costa Rica: “Advance Control ” Schneider Electric
- 2003- Lucca, Italia: Assembly and Operation of Fabio Perini Spa Sincro4.0
- 2003- Bologna, Italia: Assembly and Operation of TMC packaging machine
- 2000 - Middletown, Ohio, USA.- Assembly and Operation Thermo Black & Clawson Deinking Plant.
- 2000- Appleton, Wisconsin, USA- VoithSulzer Deinking Plants
- 1998-Panamá - ISO 9000 - SGS Training Course