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|  | Nicolae Brencea  285 Pantelimon Avenue, Bucharest, 021614, Romania  n.brencea@gmail.com | +40721967241 | | |
| Career Objective | To join a reputable company where to boost my experience and actively contribute to the company success with my expertise, knowledge and skills. | | |
| Career Summary | My career started in 1995 in the biggest Petrochemical Complex in Romania. In 2000 I joined the Instrumentation and Process Control team in the Ethylene Plant.  In 2004 I changed my workplace in Libya, offshore, on Sabratha Platform (Gas production) where I started as Instrument Technician and then I've been promoted up to the Instrument Supervisor position.  Since 2011 I am working in Instrumentation and Process Control Training & Workplace Competence Assessment. | | |
| Technical & Professional Expertise | * Applied Physics Engineer by education specialized in Electronics and Science of Measurements (Metrology), with extensive 22 years of experience in Instrumentation and Process Control Systems for Oil and Gas industry. * Experience in commissioning, maintenance and troubleshooting of a wide range of smart transmitters, fire and gas detectors, process control loops, F&G detection loops, PLC, DCS, ESD and F&G systems. * Knowledge and practice of machinery control systems like, pumps, gas and steam turbines, centrifugal and reciprocating compressors, machinery vibration and displacement monitoring systems. * Working knowledge and experience with surface and subsea wellhead control systems. * Other equipment working with: a wide range of analyzers, cathodic protection systems, HVAC, HIPPS (high integrity pipeline protection systems), deluge and inert gas fire extinguishing systems... * Supervisory skills proven for 9 years. * Training and Workplace Competence Assessment and Assessment Verification in Oil and Gas industry – Instrumentation Maintenance | | |
| Personal Information | Given Name:  Family Name:  Date of Birth:  Place of Birth:  Nationality:  Marital Status:  Address:  Zip Code:  Town/City:  Country:  Home Phone No:  Mobile Phone No:  E-mail Address:  LinkedIn Profile: | **Nicolae**  **Brencea**  **27/02/1969**  **Romania**  **Romanian**  **Married, One Child**  **285 Pantelimon Avenue**  **021614**  **Bucharest**  **Romania**  **+40311048233**  **+40721967241**  [**n.brencea@gmail.com**](mailto:n.brencea@gmail.com)  https://ro.linkedin.com/in/nicolae-brencea-74966518 |
| TRAININGS & Qualifications | 2003 – ALSTOM POWER – FRANCE – Control systems for steam turbines and centrifugal gas compressors  2004 – ISTC – MALTA – BOSIET, HUET, firefighting, H2S induction and first aid training  2005 – SIEMENS TURBOMACHINERY – UK – Control systems for gas turbines (power generation)  2006 – APT – ITALY – Firefighting, helideck team member and first aid training  2009 – FALK NUTEK – NETHERLANDS – BOSIET, HUET, firefighting, H2S induction and first aid training  2011 – CEGELEC – NIGERIA – Train the Trainer  2011 – CEGELEC – NIGERIA – Assess Workplace Competence Using Direct and Indirect Method, L&D 9DI, Scottish Vocational Qualification (former A1 qualification)  2012 – CEGELEC – NIGERIA – OPITO Approved Internal Verifier  2013 – CEGELEC – NIGERIA – OPERCOM & ICAPS  2013 – FALK NUTEK – NIGERIA – BOSIET, HUET, firefighting, H2S induction and first aid training  2017 – QUERCUS INT– UAE – CompEx Certification. Modules Ex1, Ex2, Ex3, Ex4 | |
| Experience | **E&I Instructor** Gazprom Neft B.V – Badra, IraqNov-2016 to Present Devise, develop and deliver the theoretical and practical Electrical and Instrumentation training modules as per stated objectives of the training program. Reporting to Operations Manager.   * Work Responsibilities   - Development and delivery of theoretical E&I Training Modules  - Development and delivery of practical E&I Training Modules (OJT).  - Workplace competence assessment of local employees.  - Prepare Instrumentation Reference Library, CBT Training Library and any other Training Reference material.  - Coaching trainee teams conducting Task Based Risk Assessments for Practical E&I Training.   * Achievements   - Impeccable safety records.  - Devise, develop and deliver the ATEX Training Program.  - Development up to standard of several E&I theoretical training modules. **Instrumentation Technical Trainer** Abu Dhabi Gas Liquefaction Company – DAS Island Training CentreOct-2015 to May 2016 Devise, develop and deliver the training modules and manage the various resources required to meet the stated objectives of the training program. Reporting to Maintenance Training Team Leader.   * Work Responsibilities   - Development, delivery and assessment of Instrumentation Training Modules  - Developing and preparing Instrumentation Training Modules Documentation for Company certification.  - Upkeep and maintenance of Instrumentation Practical Workshop, Equipment and Apparatus.  - Coach the National Trainers in Instrumentation training  - Prepare Instrumentation Reference Library, CBT Training Library and any other Training Reference material.  - Coaching trainee teams conducting Task Based Risk Assessments for Practical Instrumentation Training.   * Achievements   - Impeccable safety records  - Several training modules written and delivered up to standard  - A Process Control Simulator re-started  - A new Bently Nevada Vibration Monitoring training kit commissioned and started **Instrumentation Training Team Leader** Cegelec – Nigeria – Ogere Training CentreSep-2012 TO Sep-2015 Team leader of Instrumentation Training Discipline, reporting to Training Coordinator. In charge to coordinate and coach the instrumentation trainers team.  Leadership team member participating in decisions on the ongoing performance and quality improvement of the facility, training and program deliverables.   * Work Responsibilities   - Accountable for all matters concerning Instrumentation Technology.  - Accountable for delivery of all Instrumentation Training Element documentation for Company certification.  - Authority for Instrumentation training and work related activities requiring a Permit to Work.  - Coordinate the activities of the Instrumentation maintenance training team. This will include:  - Development and implementation of the Instrumentation Course Curricula, Lesson Plans, Content and Exercises.  - Design, development, upkeep and maintenance of Instrumentation Practical Workshop, Equipment and Apparatus.  - Developing, acquiring and managing Instrumentation Learning Reinforcement posters in the facility  - Instrumentation Reference Library, CBT Training Library and any other Training Reference material.  - Weekly Instrumentation Team meeting.  - Monthly facility inspection of Instrumentation Training Equipment.  - Supervise, coach and mentor national Instrumentation trainer(s).  - Coordinate the preparation of Instrumentation Training Team Performance reports.  - Review all progress reports and action plans developed by the Instrumentation Team.  - Weekly: Instrumentation trainee performance – exception reporting.  - Monthly: Instrumentation trainee performance report – progress against target.  - Monthly: Instrumentation training facility operations inspection, monitoring and performance report.  - Quarterly: Instrumentation training and facility performance and quality improvement report.  - Liaise with Client on the acquisition of Company Instrumentation Training Material, Workshop Equipment, Models and Site Visits.   * Achievements   - Excellent safety records  - Upgraded the curricula and training materials for Advanced Training Program  - Modernization of Instrumentation Workshop and Lab by acquisition of new equipment  - Completion, commissioning and start-up of “Sand Box” (Training purpose Three Phase Separation Unit) **Instrumentation Technical Trainer / Assessor** Cegelec – Nigeria – Ogere Training CentreJul-2011 to SeP-2012 Instrumentation Trainer and qualified Competence Assessor for local workforce employed by Oil and Gas operators. Devise, develop and deliver the training modules and manage the various resources required to meet the stated objectives of the training program.   * Work Responsibilities   - Development, delivery and assessment of Instrumentation training elements, including HES elements  - Developing and preparing Instrumentation Training Elements documentation for Company certification.  - Site Authority for Instrumentation training and work related activities requiring a Permit to Work.  - Upkeep and maintenance of Instrumentation Practical Workshop, Equipment and Apparatus.  - Monthly Instrumentation Team meeting  - Monthly facility inspection of Instrumentation Training Equipment.  - Coach the National Trainers in Instrumentation training  - Prepare Instrumentation Reference Library, CBT Training Library and any other Training Reference material.  - Developing or acquiring Instrumentation Learning Reinforcement posters in the facility.  - Coaching trainee teams conducting Task Based Risk Assessments for Practical Instrumentation Training.   * Achievements   - Zero safety incidents  - Upgraded the curricula and training materials for Vocational Training Program  - SQA L9DI Qualification (Former A1)  - OPITO Standard 9020, Internal Verifier Qualification (Equivalent to SQA D11, former V1 qualification) **Instrumentation and Process Control Supervisor** ENI GAS BV – Libya – Sabratha PlatformJan-2006 to Mar-2011 - Lead of Instrumentation Maintenance and Process Control Systems team, reporting to Maintenance Superintendent.  - Responsible for planning and execution of daily corrective and preventive maintenance in accordance with permit to work system and any other safety related aspect.  - In charge for instrumentation equipment, materials and spare parts requisition.  - Maximo CMMS (Computerized Maintenance Management System) utilization.  - Involved in any kind of plant modification or upgrade affecting Instrumentation or Process Control Systems.  - In contact with vendors and contractors for any kind of Instrumentation & Process Control Systems issue.  - Advisor for Instrumentation GMS (General Maintenance Service) company representative.  - Acting as Maintenance Superintendent when needed (replacing person in charge when missing): reporting to OFM (offshore field manager) and responsible for all corrective, preventive and predictive maintenance activities (electrical, mechanical and instrumentation).   * Achievements   - Zero LTI (Lost Time Injury) in my team  - Successfully accomplish the Instrumentation Team role in the project to revamp the platform production up to 20 MSCM per day  - Effective comply with the timelines during the annual overhauls of the platform  - DCS and ESD system control logic and software improved by addition of new features or correcting the actual loops  - Replacement of many original instrumentation equipment with others much accurate and reliable **Instrumentation Specialist / Technician** ENI GAS BV – Libya – Sabratha PlatformNov-2004 to Jan-2006 - Promoted to Instrument Specialist I was working as work leader, reporting to Instrument Supervisor.  - Responsible for execution of daily corrective and preventive maintenance in accordance with permit to work system and any other safety aspect during the startup of the platform and first 6 months of operation. In charge to keep updated the Cornerstone database (calibration management software for smart and conventional instruments)  - As Instrument Technician during the commissioning phase my activity consists mainly in instruments calibrations and loops checks witnessed by client representative.  - Simulating the process values we are performing the instruments calibration and verifying the remote reading on DCS, ESD (ABB and ICS Triplex). Working with IAS contractor’s specialists for right configuration of I/O parameters to match the field instruments configurations and to adjust also the optimum PID parameters.  Types of instruments I worked with:  - Field smart transmitters: pressure and differential pressure, temperature, level and interface level (dP cell and buoyancy), flow, (diaphragm orifice, Pitot tube, Vortex, Coriolis, turbines and Thermal Mass Flowmeters). Manufacturers: Rosemount, ABB, Yokogawa, Micro Motion, Foxboro, Spriano, Endress Hauser, FCI…  - Analyzers: dew point, water in condensate, chlorine, conductivity. Manufacturers: Delta C, Michell, Rosemount, Endress Hauser.  - Fire and gas detectors: H2S detectors (catalytic), IR point combustible gas detectors, IR open path combustible gas detectors, UV/IR flame detectors, catalytic combustible gas detectors, optical smoke detectors, air sample smoke detectors, heat detectors. Manufacturers: General Monitors, Det-Tronics, System Sensor, Vesda, Kidde…  - Pressure Safety Valves made by TAI, Technical, Crosby, Birkett, Seetru etc.  - SDV, BDV, Control Valves, Wing and Master Valves (on Xmass tree) made by Severn Glocon, Dresser, Masoneilan, Tyco, Breda…  - Bently Nevada Vibration and Displacement Monitor Systems.  Other automation and control system I worked with:  - MK II system based on Motorola 6800 µP for control of 3 x 7MW gas turbogenerators  - HMI Cimplicity, based on Siemens Simatic S7 PLC for control of a reciprocating gas compressor.  - PLC based control system (Simatic S7) for two TEG heaters.  - PLC based control system (Simatic S7) for Emergency Diesel Generator  - HIPPS made by Yokogawa  - Hydraulic Power Unit for subsea wells made by Cameron  - Hydraulic Wellhead Control Panels made by Fores Eng.  - CO2 Fire Suppression systems **DCS & ESD System Engineer** Petrom SA – Romania – Arpechim BranchDec-2000 to OCT-2004 Responsible for daily maintenance and troubleshooting of maybe the first DCS installed in Romania (Yokogawa Centum CS 1000) and ESD system Honeywell TDC 3000 for five gasoline cracking furnaces. Also the TGC control system (made by ALSTOM-France) for five gas compressors driven by steam turbines. In charge also to maintain all the smart field transmitters (Yokogawa and Foxboro) associated with these control systems. **NDT Specialist** Petrom SA – Romania – Arpechim BranchApr-1995 to Dec-2000 Non-destructive testing of materials using UT, PT and MT techniques. | | |
| Education | **University of Bucharest**, Bucharest - RomaniaBachelor Degree Applied Physics | | |
| Biodata | **Countries Worked in**: Romania, Libya, Nigeria, UAE, Iraq  **Countries Lived in**: Romania  **Foreign Languages**: English  **Hobbies**: Science & Technology | | |
| Leadership | 9 out of 21 years in leadership positions | | |
| Other Information | **BOSIET Certificate**: EXPIRED  **Yellow Fever Card**: VALID | | |