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**More than 20 years of experience in QHSE, especially on construction projects in the energy and environmental sectors (oil & gas, nuclear power, thermal power, renewable power...)**

**Experience of international mega projects on 4 continents (Asia, Europe, Africa and America) at all the steps of a project life: design, tendering, engineering, procurement, construction, commissioning, start-up, handover, warranty, operation, maintenance, decommissioning, deconstruction and disposal.**

**Experience with world-class operators (Shell, Chevron, Total, EDF, E.ON, Uniper...) and world-class contractors (Saipem, Hyundai, Samsung, KEPCO E&C, Alstom Power, Van Oord...) Experience on both the client and the constructor side, from HSE officer to HSE manager..**

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## Professional background

### **ENEC, Barakah nuclear power plant, Al Dhafra – Abu Dhabi, UAE (2019 - ) – Special projects HSE engineer**

*Projects: construction (Physical Protection Systems, new operator training center, data center, meteorological tower,...), refurbishment (industrial workshops, accommodation buildings, air sampling units,...), maintenance (fire fighting systems, HVAC, site substations...), installation of a pontoon...*

- Scope of work: Feasibility studies, Front End Engineering Design (FEED), bidding, engineering, procurement, earthworks, civil works, mechanical works (diesel generators, fire protection systems, HVAC – Heating Ventilation and Air Conditioning, wedge barriers, armoured windows...), electrical and telecom works (MV/LV substations, SCADA – Supervisory Control and Data Acquisition, UPS – Uninterruptible Power Supply, IT networks, public address systems....), energization, commissioning, punchlists, turnover, warranty...
- Clients: NAWAH security, NAWAH operations, NAWAH outage...
- Main contractors: KEPCO, Hyundai, Samsung, ACC, Atlas Security, UECC, Marinas performance....

### **ENEC, Barakah nuclear power plant, Al Dhafra – Abu Dhabi, UAE (2017 - 2019) – Technical safety specialist**

*Project: Construction, commissioning, operation and maintenance of the Barakah nuclear power plant (5600 MW).*

- Value: US\$30B. Peak workforce: 25.000.
- Scope of work:
  - Construction, operation, maintenance and deconstruction of the village (earthworks, road works, waterline construction, accommodations, restaurants, recreational, hospital, fire station, sewage treatment plant...),
  - Operation, maintenance and deconstruction of the ancillary area: pre-fabrication yards, storage yards, workshops (blasting, painting, assembly...), concrete batch plant...
  - Construction, pre-commissioning, commissioning, start-up and operation of industrial buildings (oil and grease storage, hazardous wastes storage, water station,...),
- Owner: ENEC (Emirates Nuclear Energy Corporation), Prime contractors: KEPCO, ACC, Multiplex. Main subcontractors: KHNP, Hyundai, Samsung, Doosan, KOPEC..., operator: NAWAH (ENEC / KEPCO JV)

### **UNIPER, Provence thermal power station, Gardanne – France (2016 - 2017) – Project HSSE advisor**

*Project: Conversion from coal to biomass of the unit 4 (250 MW > 150 MW).*

- Value: €300M. Workforce: 300.
- Scope of work: Construction completion, commissioning (first fires, steam blow, first steam to turbine, synchronization, performance tests ...), start-up, operation, maintenance and handover
- Main contractors: Doosan Babcock, Lentjes, Skoda, CMI, Cnim, SNEF, Emerson, Engie, Normandie echafaudage, Poujaud, Veolia...

### **VAN OORD, Puerto Limón – Costa Rica (2015) – Marine package HSSE coordinator**

*Project: Construction of the Moín container terminal (40ha reclamation, dredging of access channel, 2.5km breakwater)*

- Value: US\$500M. Van Oord workforce: 350.
- Scope of work: Phase 2A – rock works (quarries extraction, transportation, offloading/loading, stockpiling, dumping...), sand works (dredging, reclamation,...), construction of a loading facility, offshore pipeline deconstruction, diving works
- Client: APM Terminals. Engineering: CH2M Hill. EPC contractor: Van Oord – BAM International Consortium
- Main contractors: Boskalis, MECO, Aertssen,...
- Main vessels: Coronaut, Volvox Atalanta, HAM 601, Maggie M...

### **VAN OORD, Gamba terminal - Gabon (2014 - 2015) - Project QHSE coordinator**

*Project: Gamba export sealine replacement (10 Km, looped dual 22 inch subsea pipeline).*

- Value: €100M. Workforce: 500.
- Scope of work: Engineering, procurement, mobilization, transportation (onshore & offshore), earthwork (excavation, bush clearing, reclamation...), marine work (dredging, towing...), metal work (cutting, facing, welding, coating,...), lifting - rigging - pulling, pipe laying (onshore & offshore), operation & maintenance of the camp (cabins, mess hall...), demobilization
- Client: Shell Gabon. Main contractors: Snijder, Peschard, ORTEC, Fugro, a.HAK...
- Main vessels: Pitonga, L'Emeraude, Stingray, Pontra Maris, Coastal Discovery, Coastal Voyager, Fairplay 33, Sea Titus...

**Alstom Power, “Le Havre” thermal power plant – France (2014) – Site EHS supervisor**

*Program: “charbon 2035”. Modernization of the unit 4 (600 MW) of Le Havre coal-fired thermal power plant. Value: €200M.*

*Workforce: 1500.*

*Project: boiler retubing and revamping of the desulfurization system. Value: €15M. Workforce: 200.*

- Scope of work: Civil work, UHP cleaning, blasting, coating, rubberizing, pump installation, metal work, piping
- Client: EDF
- Main contractors: GTM, GBT, MAESSA, ENREM, KSB, INEO, Kaeffer Wanner

**EDF PEI, “pointe Jarry” thermal power plant, Baie Mahault – Guadeloupe (2012 - 2014) – Construction QHSE manager**

*Project: Construction of the “Jarry sud” oil-fired thermal power plant (240 MW).*

- Value: €500M. Peak workforce: 800.
- Scope of work: Earthwork, civil work, soil decontamination, mechanical installations (engines, transformers, steel structures, piping, insulation, instrumentation...), electrical installations (cable pulling, cabinets,...), repowering (oil tanks, tanker jetty,...), pre-commissioning (hydrotests, flushing...)
- Main contractors: MAN diesel & turbo, Clemessy, Eiffage consortium, Tissot, INEO, STC, TSA Sogetras, Burgeap

**SAIPEM Indonesia, “PT Hanjung Yard” Bandar Lampung - Indonesia (2011 - 2012) - Site safety coordinator**

*Program: “Gorgon LNG” (3x5.2 MTPA LNG Trains). Barrow island, Australia. Value: \$A54B. Peak workforce >10.000*

*Project: Gorgon LNG jetty / marine structures fabrication. (25.000 Tons of steel). Value: US\$900M. Peak workforce: 1400.*

- Scope of work: Construction (wharf, workshops...), fabrication (topside modules, jackets, roadways, concrete slabs), assembly, blasting, painting, load out on barges, diving works
- Client: CHEVRON Australia. EPC contractor: SAIPEM – LEIGHTON Offshore Consortium
- Main contractors: PT Hanjung, WIKA, PT Artha, MPS...
- Vessels: Westsea 99

**EDF CIT, “Pointe des carrières” thermal power station, Fort de France – Martinique (2009 - 2011) – Site QHSE manager**

*Project: Prefabrication and construction of a denitrification system on diesel engines (90 MW), deconstruction of an oil-fired combustion turbine and construction of a new combustion turbine (25 MW) at “Pointe des carrières” oil-fired thermal power plant.*

- Value: €20M. Workforce: 100.
- Scope of work: Engineering, procurement, earthwork, civil work, soil decontamination, fabrication (steel structure, reactors and tanks), erection
- Client: EDF SEI
- Main contractors: Termokimik, Jean Lanes, Forclum Etram, Burgeap

**Westinghouse, Cattenom nuclear power station – France (2009) - Site QHSE supervisor**

*Project: Steam Generator Chemical Cleaning of units 1 and 3 of Cattenom nuclear power plant (2600 MW).*

- Value: Value: €5M. Workforce: 100.
- Scope of work: Installation inside and outside reactor building (hoses, manifolds, valves, holes adapters, instrumentation...), leak tests, chemical mixing, cleaning process, sludge lance, demobilization
- Client: EDF
- Main contractors: Clemessy, Forclum, Cegelec

**CNIM Babcock services, La Courneuve – France (2006 - 2009) – Energy business unit quality manager**

• *Activities: design, manufacture, commissioning and maintenance of industrial boilers and burners, water treatment systems and air treatment.*

• *Projects:*

- *Implementation and maintenance of ISO9001 and MASE management systems.*
  - *Maintenance associated with industrial boilers (refineries, petrochemicals, incinerators, power plants, waste to energy plants...)*
- Turnover: €90M. Workforce: 800

**Corporate and Industrial QHSSE professional – France (2001 - 2006)**

- *Projects: implementation and maintenance of ISO 9001, ISO 14001 and MASE management systems. Management of HSE compliance.*
- *Employers: Pyroalliance, DATACINE Group, Rex Rotary, GIE CB, Burgeap,...*

**Academic tutor – Paris area, France (2000 – 2004)**

Giving academic support to students from the age of 5 to the age of 20, from primary school to the university.

## Skills

### QHSSE engineering and management

- Site HSE supervision & inspection: scaffoldings, liftings, confined spaces, behavior based safety...
- Leading drills : fire in a workshop, man overboard, assembly point and evacuation from scaffolding
- Health physics in nuclear power plant: achieving smears prior removing materials out of limited access area, production of radiation mappings
- Execution of QHSE studies (risk assessments, HAZID, JSA, HSE regulatory compliance reports, accident reports...)
- Redaction of documentation (QHSE manuals, method statements, procedures, quality plans, posters...)
- Implementation, maintenance and improvement of management systems : ISO 9001, ISO 14001, MASE, support to Sarbanes Oxley flowcharts and risk analysis and support to the implementation of ISO 27001
- supplier qualification and assessments
- Leading audits. About 30 internal audits, 20 suppliers audits and 60 sites (refineries, petrochemicals, incinerators, power plants, waste disposal facilities, ...)
- Leading QHSE meetings (site weekly meetings, corporate QHSE management reviews...)
- Coordination and conducting QHSE inductions and trainings (first aid, electrical safety, chemical safety, laser, noise hazards...)
- Investigation and reporting of medical treatment cases, first aid cases, near misses and property damages
- Writing the QHSE part of bids. Following on site the QHSE part of the contract and the local regulation

### Project engineering and management

- Animation of the site weekly coordination meeting.
- Participation to specific client coordination meetings (X-ray, scaffoldings, cranes...)
- Site technical supervision of soil depollution projects (biopile technology), pollution diagnostics, drillings
- Project technical documentation review (FEED, bids, method statements, PTW packages, design change packages...)
- PTW coordination
- coordination of the reporting
- Monitoring activities on site: quality plan, workforce, work progress...

### General management

- Management of a team (up to 25 people): conducting interviews, management of schedules, working hours, skills, trainings, resignations and dismissals
- Management of contractors (water, air, soil, wastes, noise, electrical safety, lifting gears inspection, fire safety...)
- External Relations (Occupational Health, governmental labor and environmental inspection, fire brigade, insurances...)

## Languages

French: mother tongue  
English: fluent

Spanish: intermediate

German: beginner  
Indonesian: beginner

## Academic education

2002 Post graduate diploma in environmental engineering - INSA Toulouse (France)

1997 – 2000 Bachelor's degree (Licence & Maîtrise) in environmental sciences - university of Tours (France)

## Professional education

ISO 9001 and ISO 14001 – Actions Entreprises (2002), QHSE management - ESCIA (2003), internal audit (2005), supplier audit - LRQA (2006), processes management - LRQA (2007), Chemical and petrochemical hazard – N2 UIC (2008), nuclear quality - QSP (2009), nuclear safety - PR1RN (2009), inspection of scaffoldings (2009), PADI AOW (2012), working at height (2012), first aider - SST (2012), electrical and mechanical hazard – H0B0M0 (2012), International General Certificate in health and safety - NEBOSH (2012), Behavior Based Safety (2013), Combined Rigging & Lifting / Banksman Slinger certificate – NSL (2014), rigging and lifting - SOMA (2015), BOSIET - SMTC Singapore (2015), 10H construction safety certificate – OSHA (2016), Managing safely certificate – IOSH (2016), PADI Rescue diver (2017), MOOC oil and gas from exploration to distribution – IFP school (2017), Desert driving certificate - Emirates Driving Institute, Dubai (2017), Fire warden and fire extinguishers - ETSDC Abu Dhabi (2018), First Aid - safety skills training, Dubai (2019), Abu Dhabi occupational health and safety practitioner – OSHAD (2019), Award in health safety and environment in the process industries – NEBOSH (2021), International General Diploma in health and safety - NEBOSH (2021), CSP Certified Safety Professional – BCSP (on going)