



ROMAIN V.

Manufacturing Welding Engineer

in



Mechanical Engineer specialized in welded structures and industrial quality, with over 15 years of experience in inspection, supervision, and technical project management. I operate in complex environments—such as nuclear, offshore, and heavy industry—where I implement practical solutions to improve manufacturing processes, strengthen regulatory compliance, and enhance overall performance. I bring recognized expertise in supervising technical installations and combating industrial fraud (CFSI), supporting demanding projects both in France and internationally.

EXPERIENCES

Freelance

AESUS - Since November 2022 - Saint-Pons de Thomières



Welding industry
Technical Assistance, Inspection and Training

Quality Engineer

Bourbon - July 2025 to August 2025



Weld World :
-Technical assistance - Eolmed project

Quality Engineer

EDF - September 2024 to December 2025



Weld World :
Quality Engineer- Division Qualité Industrielle
CFSI

Quality Engineer- Ailes Marines

Iberdrola - October 2023 to March 2024



Amaris Inspection
Quality Engineer- Ailes Marines
Inter Array Cables

- Review of As Built reports
- Review of manufacturing Record Book
- Management of punch lists
- Follow-up of quality indicators

Inspecteur QA/QC

Engie (Somainko) - February 2023 to March 2023 - Koné - New Caledonia



Weld World :

Quality monitoring of work during furnace shutdown (KNS site):

- Inspect Welding – Forming – Assembly and Controls operations.
- Monitoring and reporting of manufacturing progress
- Compile documentation
- Ensure the follow-up of non-conformities and corrective actions

Manufacturing Inspector Provence Grand Large (PGL)

EDF Renouvelable - June 2021 to October 2022



Amaris Inspection

Manufacturing Inspector for the Provence Grand Large (PGL) project

Offshore wind turbine floats

Material: Steel

Tension leg Platform (TLP) - Components up to 330 tons

SBM Offshore Concept

Welding processes: SAW - FCAW - MCAW - GTAW - SMAW

NDT : UT / MT / VT

EDF Renouvelable / Amaris Inspection , Yard Eiffage Métal in Fos sur mer

- Guarantee the application of HSE rules on site
- Inspect welding - assembly - inspection operations.
- Write and distribute inspection reports.
- Monitor manufacturing progress
- Evaluate documentation
- Verify and validate NDT and dimensional inspection reports.
- Follow-up on non-conformities and corrective actions.
- Support engineering in the field of welding
- Monitor inspections by the project's certifying body
- Organize and coordinate NDT cross-check missions
- Write up experience feedback

Nuclear Valves Project Manager Q1 - ITPIA- Projet Hinkley Point C

Apave - January 2019 to January 2020



Conformity assessment of Hinkley Point C Q1 valves: Main steam isolation valve - Main feedwater isolation valve - Pressure steam valve

Lloyds Register Apave (JV)

EDEEM100122 et EDEEM 120122

Material: Steel - Cladding (Wear Resistant and Corrosion Resistant Alloys)

Welding processes: SAW - GMAW - GTAW - SMAW

- Risk analysis
- Special materials evaluation
- Quality plans
- Manufacturing and inspection procedures
- Welding manuals.

ITER Vacuum Vessel Manufacturing Inspector

FUSION FOR ENERGY (F4E) - January 2018 to January 2019 - Monfalcone - Italy



For Apave

- Inspect Welding - Forming - Machining - Assembly and Control operations.
- Write and distribute inspection and control reports.
- Follow-up and report on manufacturing progress (expediting).
- Evaluate the documentation associated with AIPs.
- Verify and validate NDT and dimensional inspection reports.
- Review radiograms (Spot check)
- Follow-up on non-conformities and corrective actions

Head of manufacturing support welding department

Schlumberger (Cameron France) - September 2012 to 2017 - Béziers



- Department missions
 - Definition and management of continuous improvement projects < M€.
 - Recruitment and training of welders, supervisors and technicians
 - Optimize production methods and processes
 - Contribute to production planning (Load/Capacity adequacy)
 - Contribute to product design optimization (Slimline Annular - RCD)

- Liaison between welding engineering and other departments
- Search for root causes of welding non-conformities
- Carry out safety and technical inspections
- Formalize best practices / Make processes more reliable
- Industrialize new parts and develop robotized welding
- Supplier training (Nabertherm - Fronius - IGM)
- Coordinate welding equipment calibration operations in the workshop
- Analyze variances on production and purchasing orders
- Robotic welding project
 - Purchase and installation of a welding robot
 - Drawing up specifications and sending out tenders
 - Analysis of quotations and selection of suppliers
 - Creation of layout drawings and supplier acceptance (IGM)
 - Management of welding engineering for PQR development
 - Supervision of filler material and gas selection tests
 - Steering of industrialization tests
 - Updating standard ranges and costs
- 6Sigma project Welding quality improvement
 - Welding quality improvement
 - Creation of a (multidisciplinary) team and an Ishikawa diagram
 - Analyze non-conformities and draft good welding practices
 - Verify compliance with good practices through Technical Visits
 - Development of a Welding Management System (WMS) application
 - Define performance indicators and integrate them into the WMS
- 6Sigma project: Bringing the heat treatment process under control
 - Creation of a (multidisciplinary) team
 - Conduct a Failure Mode, Effects and Criticality Analysis (FMEA)
 - Process modeling (internal and external) using Visio software (Process Map)
 - Implement the new process
 - Internal process control with foremen
 - Drawing up specifications for modifications to furnace management software
 - Implement new software
 - Training of foremen and drafting of user instructions
- Project to increase welding capacity
 - Purchase of welding machines and heat treatment furnaces
 - Drawing up specifications and sending out invitations to tender
 - Analysis of quotations and selection of suppliers
 - Start-up of equipment and training of operators after recruitment
 - Factory Acceptance Test at furnace supplier (Nabertherm - Germany)
 - Training at welding equipment supplier (ETR, Fronius - Austria)

General Installation Supervisor Georges Besse site 2

AREVA SGN - March 2011 to September 2012

For Sofren :

Supervision of : Fives Nordon - ACPP - VAT - VG Scienta - COMEX - Leybolds Vacuum - PCI

Supervision of the installation of piping, skids and valves:

Aluminum vacuum piping 2" to 6" - Pumps - UF6 valves

Welding processes: GTAW-A Orbital

NDT: VT - UT / Helium leak test

- Supervise subcontractors in charge of assembly work
- Lead site meetings and draft reports
- Ensure compliance with Technical Specifications
- Ensure strict application of HSE rules on site (safety inspections)
- Identify, formalize and participate in the resolution of non-conformities (FSS)
- Check work quality (FVC)



- Check compliance with specifications and standards (STD)
- Contribute to planning and daily monitoring of deviations
- Manage on-site interference
- Ensure compliance with deadlines, milestones and stopping points defined in the schedule.
- Supervise site withdrawal at the end of work and site restoration.
- Interface with customer's operational teams
- Validate suppliers' physical progress
- Monitor completion of FME - FAD and DI.
- Pre-acceptance of work, preparing acceptance reports with each company
- Draw up lists of reservations and tests
- Write the surveillance report and the EXS follow-up with the RCE
- Write the REX feedback report with the RCE.
- Transfer installations to testing.

Ingénieur Alternant

M.I.S. - October 2007 to October 2010 - Sauvian



Workshop and site supervision - Business management

Customers: Comhurex Malvesi - Cameron France - Buesa - Razel Bec - Aérocomposite Occitanie - Lyonnaise des eaux - SAUR - Placoplatre

Fabrications: Wind turbine blade mould support (30m) - Transport skids transport - Stairs - Fenders - Piping - Maintenance

Welding processes: SMAW - GTAW-M - GMAW

NDT : PT - VT

Industrial maintenance and service management

- Processing calls for tender (CCT, Specifications)
- Draw up and send out sales proposals
- Define resource requirements (human/material)
- Purchase raw materials and auxiliary products
- Creation of manufacturing drawings
- Launch workshop and site orders
- Supervision of manufacturing and installation teams
- Subcontract management - Coating and laser cutting
- Follow-up and progress of job sites
- Oversee the winding down of the site at the end of the work and the restoration of the site.
- Preliminary welding DMOS according to ASME IX.
- Dimensional and visual inspection (welds).

Welding Technologist

CMP ARLES - October 2004 to October 2007 - Arles



- Welding Technologist / Site Manager
Fabrications for the oil, chemical, nuclear and cement industries
Forming and welding: HLE steels - Aluminium - Stainless steels - Cladding
Customers : Technip - Cegelec - Packinox - Air Liquide - Pirson - Polysius - Total
Kvaerner - Heurtey - CNOOC- CHEVRON - Gaz de France - SAIPEM
Welding processes: SMAW - GTAW- ESW - SAW - GMAW
NDT : RT / UT / MT / PT - Laser Tracker
- Drafting of welding specifications and inspection and test plans (ITP)
- Welding human resources management (induction qualifications)
- Non-destructive testing (penetrant testing and magnetic particle inspection) and dimensional testing
- Planning of subcontracting operations (TOFD-RT-UT-TTH)
- Reception of surface preparations/coatings
- Inspections and acceptance of subcontracted equipment (International).
- Workshop follow-up -CEGELEC : Experimental chamber for the megajoule laser (LMJ CEA) - Aluminium sphere --Thickness 120 mm diameter 10m
 - Technip : HDS reactor for Feyzin - Steel 1.25 Cr clad 347- Thickness 80 mm
 - Packinox: Stainless steel plate heat exchangers - 2.25 Cr steel P420 HT L2 - 55 mm - Diam. 12 m
 - Sollac: HF1 shielding for Pirson

- Eluxyl: Chemical industry internals for Axens
- Akpo Project - Pressure vessels for Technip to ASME (Total)
 - Daily reporting (customer project manager)
 - Definition and implementation of corrective actions to guarantee deadlines
 - Interface between different production departments-Acceptance and control of subcontracting operations
 - Optimization of production times and costs-Review of documentation
 - Acceptance and control of subcontracting operations-Compilation of manufacturers' files (paper and digital)- Review of documentation- Compilation of manufacturers' files (paper and digital)
- Site foreman On U. S. Steel Košice (Slovakia)
 - Nitrogen and oxygen storage for Air Liquide
Double-jacket tanks Carbon steel and stainless steel
 - Manage the team and subcontractors responsible for carrying out the work (10 p.)
 - Contribute to planning and daily monitoring of drifts-Perform hydraulic tests
 - Compile manufacturer's file
 - Subcontract management - Passivation / Perlitage

LANGUAGES



English



Italian



EDUCATION

Ingénieur en Fabrication et Qualité des Structures Chaudronnées

POLYTECH MONTPELLIER

October 2007 to October 2010

API Welding Inspector 2017

TEXAS INTERNATIONAL ENGINEERING CONSULTANT

2017

Formation API Welding Inspector

DESU Maitrise et Amélioration de la qualité

UNIVERSITÉ DE TOULON

September 2005 to June 2006

Licence Structures Métalliques et assemblages soudés - IWT

IUT DE NÎMES

October 2004 to September 2005

BTS Productique Mécanique

LYCÉE JEAN MOULIN - BÉZIERS

September 2003 to June 2005

NDT Training : PT2 - MT2

INSTITUT DE SOUDURE, PORT DE BOUC

2004 to 2009

Formation CND

Since 2023

Certified Cofrend VT2 CIFM

BO2-005704

Green Belt

CAMERON FRANCE

Non Certifié

Association

Assistant Treasurer A. S. L. G. F. Châtaigneraies du Pays Saint-Ponais « Lo castanh »