

SERVICE

WELDING ENGINEERING

SERVICES

PROCEDURES AND CERTIFICATION OF WELDERS/COMPANIES ACCORDING TO AMERICAN STANDARDS AWS D1.1-;AWS D1.3.;AWS D1.6 AND AWS D1.15

Our welding engineering services **help companies** working in the **structural field** (AISC-American Institute of Steel Construction standard) to **obtain American certification**. Our team also makes sure to recommend and offer the right non-destructive testing through our specialist department.

CANADIAN CERTIFICATION CWB / CSA W47.1, W47.2 STEEL AND ALUMINUM

- + Welding engineering services to obtain and/or maintain certification by the Canadian Welding Bureau (CWB) for the fabrication of metal products;
- + Welding Procedure Specification (WPS) and Welding Procedure Data Sheet (WPSDS) required under CSA W47.1 for steels;
- + Welding Procedure Specification (WPS) and Welding Procedure Data Sheets (WPSDS) required under CSA W47.2 for aluminum;
- + Engineering report required by the CSA with a vision of process optimization;
- + Technical assistance or telephone consultation in welding engineering including:
 - + In-plant review of procedures with welders, supervisors and manufacturing manager;
 - + Evaluation of welded assemblies of structures or other components in steel and aluminum;
 - + Fabrication practices and methods: preheating, selection of welding processes, cutting, preparation of steel and aluminum, joining methods, deformation and shrinkage stress controls shrinkage stresses, termination and quality of welds;
 - + Guide for the preparation of CWB forms;
 - + Guide for the preparation of welders and supervisors for CWB examinations.



TRAINING, WELDING OPTIMIZATION AND TECHNICAL SERVICE

- + Determine and analyze the client's needs, while ensuring that the work is carried out;
- + Perform the interventions at the client's site, according to the mandate, inform the client if there is a non-conformity and complete the reports within the required time;
- + Review quality plans, purchase orders, material specifications and material test certificates;
- + Verify the application of quality plans in the factory, verify the conformity of drawings and data sheets, in addition to ensuring that manufacturing complies with CSA W47.1;
- + Evaluate new developments in the welding field for possible application to current welding problems or production processes;
- + Workshop for practical training of welders for the different welding processes.

CERTIFICATIONS: ENGINEER AND WELDING TECHNOLOGIST



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WELD SPECIALIST

CWB Group

Janv. 2015

EXAMINATION ENDORSEMENT: ON AWS D 15.1 RAILROAD WELDING SPECIFICATION FOR CARS AND LOCOMOTIVES

AWS (American Welding Society)

Déc. 2014

CERTIFIED WELDING INSPECTOR CWI QC1

AWS (American Welding Society)

Dec. 2014

VISUAL INSPECTOR LEVEL 3, CSA W 178.2, STEEL AND ALUMINUM

CWB Group

Mai 2013

ULTRASONIC LEVEL 1, COMPLIES WITH CAN/ONGC-48.9712-2006/ISO 9712:2005

Cegep de Trois-Rivières

August 2012

CERTIFIED WELDING ENGINEER CSA W 47.1 AND CSA W 47.2, CSA W 186 CSA W 55

ABOUT US

NUCLEOM IS A NON-DESTRUCTIVE TESTING SERVICES COMPANY BASED AND OPERATED IN CANADA. THE COMPANY OFFERS SOLUTIONS THAT SIGNIFICANTLY INCREASE THE SPEED AND RELIABILITY OF INSPECTIONS ON CRITICAL EQUIPMENT. NUCLEOM PUSHES THE LIMITS OF NON-DESTRUCTIVE TESTING TO MAINTAIN THE OPERATION AND INTEGRITY OF CRITICAL INFRASTRUCTURE, SUCH AS NUCLEAR REACTORS AND PIPELINES.



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