

EUROPEAN FEDERATION FOR WELDING, JOINING AND CUTTING



**Having satisfied the requirements of the EWF Manufacturer
Certification System for the following Scheme(s):**

Welding Quality Management Scheme EN ISO 3834 Part 2 (Doc. EWF 636 – Part 1)

Company: Responsive Engineering Limited

The Unit: N/A

Located in: Newcastle

is certified for the product(s):

Fabrication and welding of structures and components for use in oil, gas,
power, defence, aviation, construction and related industries.

with the scope of work stated in the attached Schedule

Certificate number and revision status: 110040/GB – Rev. 4

First Issue date: 29/03/2011

**Current issue
date:** 10/05/2021

Date of expiry: 05/05/2026

ANBCC Governing Board Representative

Julio Tolaini

Scheme Manager

Emma Freckingham

TWI Certification Ltd, United Kingdom



This certificate is subject to the rules established by EWF for the certification of Companies

EFW Manufacturer Certification System

SCHEDULE

Schedule Revision Date 10/05/2021 Rev. 4

Related to Certificate Number 110040/GB Rev. 4

Product/Construction standard(s)

AWS D1.1 / EN 1090-2 EXC 3 / Client Spec

Alternative Standard(s) (refer to EN ISO 3834-5, clause 2.1 b)

ASME IX / BS EN ISO 15614-1 / ASNT SNT-TC-1A

Welding Process(es) (EN ISO 4063)

MMA(111) / SAW (121) / MIG (131) / MAG (135), Robotic MAG (135) / FCAW (136) / TIG (141) / Short-cycle drawn arc stud welding (783)

Parent Material Group(s) (CEN ISO/TR 15608)

Group 1 / Group 2 / Group 3 / Group 5 / Group 7 / Group 8 / Group 10 / Group 11 / Group 21 / Group 22 / Group 23 / Group 35 / Group 43 / Group 45 / Group 47 / Group 51

Responsible Welding Coordination Personnel

Scheme	Name (Qualification)	Job Title	Technical knowledge
ISO 3834	K Simpson, European / International Welding Engineer	Senior Welding Engineer	Comprehensive
	R Dixon, HNC General Engineering, HND Mechanical Engineering	RWC	Basic

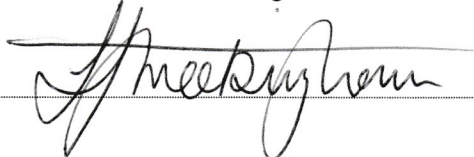
ANBCC Governing Board Representative

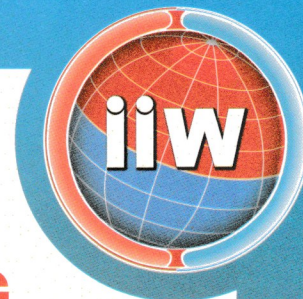
Julio Tolaini



Scheme Manager

Emma Freckingham





INTERNATIONAL INSTITUTE OF WELDING

Having satisfied the requirements of the
IIW Manufacturer Certification Scheme
according to ISO 3834



Company: Responsive Engineering Limited

The Unit: N/A

Located in: Newcastle

is certified in accordance with

BS EN ISO 3834 Part 2

For the product(s): Fabrication and welding of structures and components for use in oil, gas, power, defence, aviation, construction and related industries.

with the scope of work stated in the attached Schedule

Certificate number and revision status: 110040/GB – Rev. 4

First issue date: 29/03/2011

Current issue date: 10/05/2021

Date of expiry: 05/05/2026

ANBCC Governing Board Representative

Julio Tolaini

Scheme Manager

Emma Freckingham

TWI Certification Ltd, United Kingdom

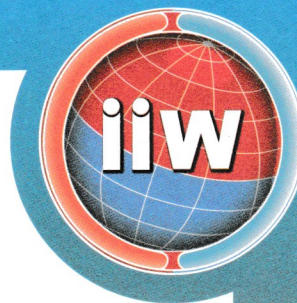


This Certificate is subject to the rules established by IIW
for the certification of Companies





IIW Manufacturer Certification Scheme



SCHEDULE

Schedule Revision Date 10/05/2021 Rev. 4

Related to Certificate Number 110040/GB Rev. 4

Product/Construction standard(s)

AWS D1.1 / EN 1090-2 EXC 3 / Client Spec

Alternative Standard(s) (refer to ISO 3834-5, clause 2.1 b)

ASME IX / BS EN ISO 15614-1 / ASNT SNT-TC-1A

Welding Process(es) (ISO 4063)

MMA(111) / SAW (121) / MIG (131) / MAG (135), Robotic MAG (135) / FCAW (136) / TIG (141) / Short-cycle drawn arc stud welding (783)

Parent Material Group(s) (ISO/TR 15608)

Group 1 / Group 2 / Group 3 / Group 5 / Group 7 / Group 8 / Group 10 / Group 11 / Group 21 / Group 22 / Group 23 / Group 35 / Group 43 / Group 45 / Group 47 / Group 51

Responsible Welding Coordination Personnel

Name (Qualification)	Job Title	Technical knowledge
K Simpson, European / International Welding Engineer	Senior Welding Engineer	Comprehensive
R Dixon, HNC General Engineering, HND Mechanical Engineering	RWC	Basic

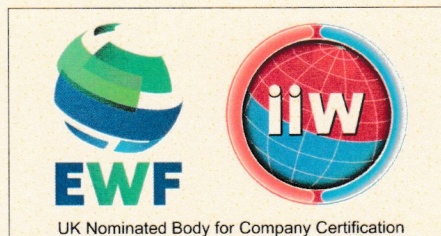
ANBCC Governing Board Representative
Julio Tolaini

Scheme Manager
Emma Freckingham



The standards and documents referred in the certificate and
schedule are those valid at the time of certification





TWI Certification Ltd

Welding Fabricator Certification Scheme

Registration Number 110040/GB Rev 4

This is to Certify that

Responsive Engineering Limited

*has been assessed in accordance with the
Rules of the scheme in respect of their control
of welding operations involved in the manufacture of:*

***Fabrication and welding of structures and components
for use in oil, gas, power, defence, aviation, construction
and related industries.***

as shown on the attached Schedule

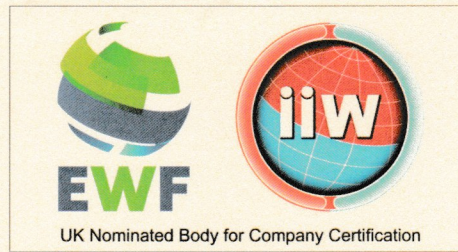
*The Company's Welding Management System
complies with ISO 3834 Part 2 and EWF/IIW requirements*

Full details are held on the TWI register of Certified Companies

Chairman
Certification Management Board

Scheme Manager

Issued by TWI Certification Ltd, Granta Park, Great Abington, Cambridge CB21 6AL, United Kingdom



Schedule

*Responsive Engineering Limited
Armstrong Works
Scotswood Road
Newcastle
NE15 6UX*

*Registration Number 110040/GB
Issue 5
Valid: 10 May 2021 to 05 May 2026
(subject to satisfactory periodic surveillance)*

Product range:

Fabrication and welding of structures and components for use in oil, gas, power, defence, aviation, construction and related industries.

Materials

*Group 1 Carbon steels
Group 2 Thermomechanically treated steels
Group 3 Quenched and tempered steels
Group 5 Cr-Mo steels
Group 7 Ferritic stainless steels
Group 8 Austenitic stainless steels
Group 10 Austenitic ferritic stainless steels
Group 11 Steels covered by group 1 except $0.25\% < C \leq 0.85\%$
Group 21 Pure Aluminium
Group 22 Non heat treatable alloys
Group 23 Heat treatable alloys
Group 35 Copper-aluminium alloys
Group 43 Nickel-chromium alloys
Group 45 Nickel-iron-chromium alloys
Group 47 Nickel-iron-chromium-copper alloys
Group 51 Pure Titanium*

Chairman
Certification Management Board

Scheme Manager