

# 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: **Arc Energy Resources Ltd**

The Unit: N/A

Located in: Eastington

is certified for the product(s):

High alloy clad products and assemblies for oil, gas, nuclear and defence sectors. Welded structural steel products

with the scope of work stated in the attached Schedule

Certificate number and revision status: 110039/GB – Rev. 2

First Issue date: 14/03/2011

Current issue date: 15/09/2017

Date of expiry: 21/03/2021

ANBCC Governing Board Representative

Julio Tolaini

Scheme Manager

Chris Eady

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

**Extent of validity of EFW Certificate N° 110039/GB Rev. 6**

**Product standard(s):**

EN 1090-2 EXC2	API 1104	ASME VIII Div 1 & 2
DNV-OS-F101	API 6A	API 16A
BS 4515	PD 5500	DNV-OS-E101
ASME B31.3		

**Alternative Standard(s) (refer to EN ISO 3834 – 5)**

Client spec

<b>Welding process (ISO 4063)</b>		<b>Parent material groups (CEN ISO/TR 15608)</b>
MMA	(111)	Group 1 / Group 2 / Group 3
SAW	(121)	Group 4 / Group 5
MAG	(135)	Group 6 / Group 8
FCAW	(136)	Group 10 / Group 11
TIG	(141)	Group 34 / Group 35
ESW	(721)	Group 43 / Group 45

**Responsible Coordination Personnel:**

<b>Scheme**</b>	<b>Name</b>	<b>Qualification</b>	<b>Job function and level***</b>
ISO 3834	Eur Ing A Robinson	CEng SenMWeldl, CEWE/CIWE	Comprehensive
	J Haines	MSc CEng MWeldl, EWE/IWE	Comprehensive
	P Crumpton	EngTech TechWeldl, EWS/IWS	Comprehensive
	N Cook	AWeldl, BSc Mech Eng	Specific

\*\*Specify EN ISO 3834, EMS or SMS

\*\*\* In the case of EN ISO 3834 scheme, the level must be stated in order to comply with EN ISO 14731

**ANBCC Governing Board Representative**



Julio Tolaini

**Scheme Manager**



Chris Eady



# INTERNATIONAL INSTITUTE OF WELDING



**Having satisfied the requirements of the IIW  
Manufacturer Certification Scheme for the  
Management of Quality in Welding**

The Unit: N/A  
Located in: Eastington  
Company: **Arc Energy Resources Ltd**

is certified in accordance with

**ISO 3834 Part 2 – Doc. IAB 337**

For the product(s): High alloy clad products and assemblies for oil, gas, nuclear and defence sectors. Welded structural steel products

with the scope of work stated in the attached Schedule

Certificate number and revision status: 110039/GB – Rev. 2

First Issue date: 14/03/2011

Current issue date: 15/09/2017

Date of expiry: 21/03/2021

ANBCC Governing Board Representative

Julio Tolaini

Scheme Manager

Chris Eady

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

Extent of validity of IIW Certificate N° 110039/GB Rev. 6

**Product standard(s):**

EN 1090-2 EXC2	API 1104	ASME VIII Div 1 & 2
DNV-OS-F101	API 6A, API 16A	BS4515
PD 5500	DNV-OS-E101	ASME B31.3

**Alternative Standard(s) (refer to ISO 3834 - 5)**

Client spec

Welding process (ISO 4063)		Parent material groups (ISO/tr 15608)
MMA	(111)	Group 1 / Group 2 / Group 3
SAW	(121)	Group 4 / Group 5
MAG	(135)	Group 6 / Group 8
FCAW	(136)	Group 10 / Group 11
TIG	(141)	Group 34 / Group 35
ESW	(721)	Group 43 / Group 45

**Responsible Coordination Personnel:**

Name	Qualification	Job function and level***
Eur Ing A Robinson	CEng SenMWeldl, CEWE/CIWE	Comprehensive
J Haines	MSc CEng MWeldl, EWE/IWE	Comprehensive
P Crumpton	EngTech TechWeldl, EWS/IWS	Comprehensive
N Cook	AWeldl, BSc Mech Eng	Specific

\*\*\* The level must be stated in order to comply with ISO 14731

**ANBCC Governing Board Representative**

Julio Tolaini

**Scheme Manager**

Chris Eady



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 110039/GB Rev 2*

*This is to Certify that*

# **Arc Energy Resources Ltd**

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

***High alloy clad products and assemblies for oil, gas,  
nuclear and defence sectors. Welded structural steel  
products***

*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*

A handwritten signature in black ink, appearing to be 'M. J. ...', written over a faint circular stamp.

Chairman  
Certification Management Board

A handwritten signature in black ink, appearing to be 'P. ...', written over a faint circular stamp.

Scheme Manager



## Schedule

<i>Arc Energy Resources Ltd Unit 12, Eastington Industrial Estate Meadow Mill Eastington Gloucestershire GL10 3RZ</i>	<i>Registration Number 110039/GB Issue 3 Valid: 15 September 2017 to 21 March 2021 (subject to satisfactory periodic surveillance)</i>
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### **Product range:**

*High alloy clad products and assemblies for oil, gas, nuclear and defence sectors.  
Welded structural steel products.*

### **Materials**

- Group 1 Carbon steel*
- Group 2 Thermomechanically treated steel*
- Group 3 Quenched and tempered steel*
- Group 4 Low vanadium alloyed Cr-Mo-(Ni) steels*
- Group 5 Cr-Mo steels*
- Group 6 High vanadium alloyed Cr-Mo-(Ni) steels*
- Group 8 Austenitic stainless steel*
- Group 10 Austenitic ferritic stainless steels*
- Group 11 Steels covered by group 1 except  $0.25\% < C \leq 0.85\%$*
- Group 34 Copper-nickel alloys*
- Group 35 Copper/aluminium alloys*
- Group 43 Nickel-chromium alloys*
- Group 45 Nickel-iron-chromium alloys*

Chairman  
Certification Management Board

Scheme Manager