

CERTIFICATE

TÜV NORD Bulgaria EOOD

certifies that the company



"AQ Electric" AD

68 Rayko Daskalov str., 2400 Radomir, Bulgaria

< if required for additional manufacturing sites, "Manufacturing sites see back page" >

has been verified and recognized
as welding workshop in the product range of

Manufacture of welded components

based on the requirements of the standard

БДС EN ISO 3834-2

Certificate-No.: 20OSP/WM/0039/23

The range of validity and details of the inspection can be seen
on the back page and in our

Report No.: 20OSP/R/0039/23

The company is using a quality assurance system,
technical equipment, qualified personnel and procedures for joining processes
for manufacturing and testing of welded products.

This certificate is valid until

March 2026



Plovdiv, 30.03.2023

Prof. Dr. – Ing. T. Jamboliev
Body for Certification of Products
of TÜV NORD Bulgaria EOOD
Registration No.20OSP



Scope of the welding activities

Only valid in relation and as an attachment to the certificate БДC EN ISO 3834 Part 2

Manufacturer: "AQ Electric" AD
Manufact. sites 68 Rayko Daskalov str., 2400 Radomir, Bulgaria
Cert.-no.: 20OSP/WM/0039/23
Date of issue:

1. Product(s) of the manufacturer

Structural components and steel structures until EXC2 according to БДC EN 1090-2:2018 or Welding of railway vehicles and components level CL1 according to БДC EN 15085:2008.

2. Product standards and other standards (see БДC EN ISO 3834-5:2006)

БДC EN 15085-2:2008

БДC EN 1090-2:2018

БДC EN ISO 9606 – 1:2008, БДC EN ISO 9606 – 2:2006

БДC EN ISO 5817:2014, БДC EN ISO 10042:2006

БДC EN ISO 15614 – 1:2017, БДC EN ISO 15614 – 2:2006, БДC EN ISO 15613:2006, БДC EN ISO 14555: 2017

3. Material groups (acc. to CEN ISO/TR 15608)

1.1, 1.2 ReH ≤ 355 MPa; 8.1; 22.3; 23.1

4. Welding processes and related material groups

Welding processes (acc. to ISO 4063) with grade of mechanization	Material groups (acc. to CEN ISO/TR 15608)
131 MIG Metal inert gas welding, partly-mechanized	1.1 ReH ≤ 235 MPa, 8.1
135 MAG Metal active gas welding, partly-mechanized	1.1, 1.2 ReH ≤ 355 MPa, 8.1
141 TIG Tungsten inert gas welding, manual	1.1, 1.2 ReH ≤ 355 MPa, 8.1, 22.3, 23.1
21 Resistance spot welding, fully-mechanized	1.1 ReH ≤ 235 MPa, 8.1, 22.3
23 Projection welding, fully-mechanized	1.1, 1.2 ReH ≤ 355 MPa, 8.1
783 Drawn arc stud welding with ceramic ferrule or shielding gas, manual	1.1 ReH ≤ 235 MPa
784 Short-cycle drawn arc stud welding, manual	8.1
786 Capacitor discharged stud welding with tip ignition arc stud welding, manual	1.1 ReH ≤ 235 MPa, 8.1

5. Responsible welding coordinators

Name	Qualification	Scope of competence and level*
MARIYANOV, Ivan	IWE	Welding coordinator, C
WELINOWA – METODIEWA, Aneta	IWE	Deputy welding coordinator, C
LYUBCHOV, Lyubomir	IWS	Deputy welding coordinator, B

* The level of knowledge complies with ISO 14731 B, S or C