

# FUNCTIONAL SAFETY CERTIFICATE

## N° 23/007SIL\_IND

FILE n° 23.23615

This is to certify that the

**Control Station**  
**model**  
**MIKE**

manufactured by

**T.E.R. Tecno Elettrica Ravasi Srl**  
Via Privata Garibaldi 29/31  
Calco (LC)  
Italy

Has been assessed by SGS Italia spa and found to meet the requirements of

**IEC 61508-2:2010, IEC 61508-4:2010**  
**IEC 61508-6:2018, IEC 61508-7:2010**

As being suitable for use in safety-related applications up to and including the following Safety Integrity Level:

**SIL 1 for safety function “operation on demand TYPE A”**

SGS Italia S.p.A.  
On behalf of Business Manager  
Rosalba Fanale



Issuance date: 24 July 2023  
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SUMMARY TABLE

<b>E/E/PE system</b>	<b>Control Station model MIKE</b>
<b>Function definition</b>	<b>operation on demand</b>
<b>Max SIL</b>	<b>SIL1</b>
<b>SFF</b>	<b>&gt;60% to 90%</b>
<b><math>\lambda_{DU}</math></b>	<b>2250 FIT</b>
<b>DC</b>	<b>90%*</b>
<b>PFH</b>	<b>2.25E-06 h<sup>-1**</sup></b>
<b>HFT</b>	<b>0</b>
<b>MTBF</b>	<b>&gt;50 years</b>
<b>MTRR</b>	<b>8 hours</b>
<b>Proof test interval</b>	<b>1 year</b>
<b>Mission Time (intended as life time)</b>	<b>1 year</b>

\*=electric

\*\* =medium for all type of actuator (spring or cam)

Technical report:

**23.500.0743 dtd. 24/07/2023**

**20.500.0530 dtd. 24/07/2020**

**17.500.0115 dtd. 23/02/2017**

**14.500.0045 dtd. 31/01/2014**

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