



The manufacturer
may use the mark:



Revision 1.0 March 31, 2020
Surveillance Audit Due
April 1, 2023



ISO/IEC 17065
PRODUCT CERTIFICATION BODY
#1004

Certificate / Certificat Zertifikat / 合格証

ESP 1902080 C001

exida hereby confirms that the:

Vector with PGU

**ESP Safety, Inc.
San Jose, CA - USA**

Has been assessed per the relevant requirements of:

IEC 61508 : 2010 Parts 1-7

and meets requirements providing a level of integrity to:

Systematic Capability: SC 2 (SIL 2 Capable)

Random Capability: Type B Element

SIL 1 @ HFT=0; SIL 2 @ HFT = 1; Route 1_H

**PFH/PFD_{avg} and Architecture Constraints
must be verified for each application**

Safety Function:

The Vector gas detector system will sense the target gas and provide a 4 – 20 mA or relay output to indicate the potentially dangerous condition.

Application Restrictions:

The unit must be properly designed into a Safety Instrumented Function per the Safety Manual requirements.



John C. Yozallinas
Evaluating Assessor

William W. Both
Certifying Assessor