

1. **EU-TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres
Directive 2014/34/EU**
3. EU-Type Examination Certificate Number: **EESF 20 ATEX 045X**
4. Product: **GPS/GSM Personal Protection and Surveillance Device**
Certified types: **TWIG One Ex TLP50EU and TWIG One Ex TLP51EU**
5. Manufacturer: **Twig Com Ltd**
6. Address: **Lairolantie 14, FI-24910 Salo, Finland**
7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
8. Eurofins Expert Services Oy, Notified Body number 0537, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report No. EUFI29-19004898-T1.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 EN 60079-11:2012
10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
12. The marking of the product shall include the following:



II 2G Ex ib IIC T4 Gb
II 2D Ex ib IIIC T130°C Db
Ta: -20 °C...+60 °C

Espoo, 26.06.2020
Eurofins Expert Services Oy

Jenni Hirvelä
 Senior Expert

Kari Koskela
 Senior Expert

This document is digitally signed.

13. **Schedule**

 14. **EU-Type Examination Certificate EESF 20 ATEX 045X**

 15. **Description of Product**

TWIG One Ex TLP50EU and TLP51EU devices are Lithium-Ion-polymer battery operated Cellular Lone Worker Safety devices with GNSS and hybrid radio network positioning. They use MPTP telematics protocol for tracking the device and reporting alarms etc. Telematics message can be automatic man down signal, location update or manual by pressing the panic button. Device position is retrieved from inbuilt GNSS module or various radio networks with server application. Emergency calls use Cellular networks. The device is meant to be used mainly for safety communication and tracking purposes in case of accident in potentially explosive areas. The battery pack inside the equipment is not user replaceable. The battery pack has a special safety circuit. Safety circuit is used to limit the current or to provide fast cut-off of supply voltage in case of electronics or segregation failure. The enclosure is static dissipative plastic. Maximum radio frequency power is limited to 2 W (33 dBm).

TWIG One Ex TLP50EU is a device type number for the 2G, 3G and 4G gsm devices and TWIG One Ex TLP51EU for PLS8 gsm device.

Allowed Accessories:

TWIG USB cable, type FME92EU
 TWIG battery charger, type CME92EU
 TWIG Leather pouch case, types YN3310EX, YN3500EX and YN5000EX
 TWIG Belt clip MC3750/AFB

 16. **Report Number**

EUF129-19004898-T1

 17. **Specific Conditions of Use**

The device shall be used according to the manufacturer's instructions.

1. Connection to the charger input is only allowed with Twig Com USB cable or battery charger.
2. The device shall not be recharged or programmed inside hazardous area.
3. SIM card shall not be changed inside hazardous area.

 18. **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

 19. **Drawings and Documents**

Drawings and documents are listed in the confidential report.

 20. **Certificate History**

N/A