indurad iRTT-AU Positioning and Tracking System for Industrial Applications User Manual

short manual
iRTT-AU

indurad RadioTransponderTag-AntennaUnit
Positioning and tracking system for industrial applications
email documentation@indurad.com version 3 date 12-Apr-22

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Product description

The insured RadioTransponderTag-AntennaUnit (iRTT-AU) is the key component of the induced tracking system using the first technology. The first technology can be used for the positioning of heavy equipment, personnel, or mobile vehicles. Using of the position data enables collision avoidance between machinery and mobile equipment in 2D or 3D. Other Application use cases include, but are not limited to, suspended load route planning for gantry cranes, yard machinery collision avoidance, passenger presence detection, and operational optimization through location data collection and analysis.

Intended Use of the Product

The first AU can be mounted to machinery and infrastructure in indoors and outdoor in the above-mentioned application cases. Its main use is to be a localization Anchor, of known location, relative to which other RTT devices can be positioned. For mobile machinery it can be used as a Tag at the same time, allowing other RTT installations to derive their position.

Installation and Operation Procedures

The first AU is part of a customer-specific system. A separate user manual for the whole system is provided according to the customer project's requirements. No configuration is available to the end-user and any use other than specified in the user manual is prohibited. Installation, commissioning, and maintenance must only be performed by specifically trained personnel appointed by insured GmbH. indurated GmbH ensures during commissioning that Wideband transmission is only enabled for devices that are mobile.

Regulatory Information

FCC ID: 2AJRSIRTTAU
IC: 21407-IRTTAU

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s) and complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation of the device.

Changes or modifications made to this equipment not expressly approved by insured GmbH may void the FCC authorization to operate this equipment.

Radiofrequency radiation exposure Information:

The radiated output power of the device is far below the FCC and ISED radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact during normal operation is minimized.

Contact: email automation@indurad.com | web indurad.com
the industrial radar company | indurad.com

Documents / Resources

	indurad iRTT-AU Positioning and Tracking System for Industrial Applications [pdf] User Manual IRTTAU, 2AJRSIRTTAU, iRTT-AU Positioning and Tracking System for Industrial Applications, iRTT-AU, Positioning and Tracking System for Industrial Applications, IRTTAU Machine node for collision avoidance system

References

- indurad GmbH – Solutions for the mining industry