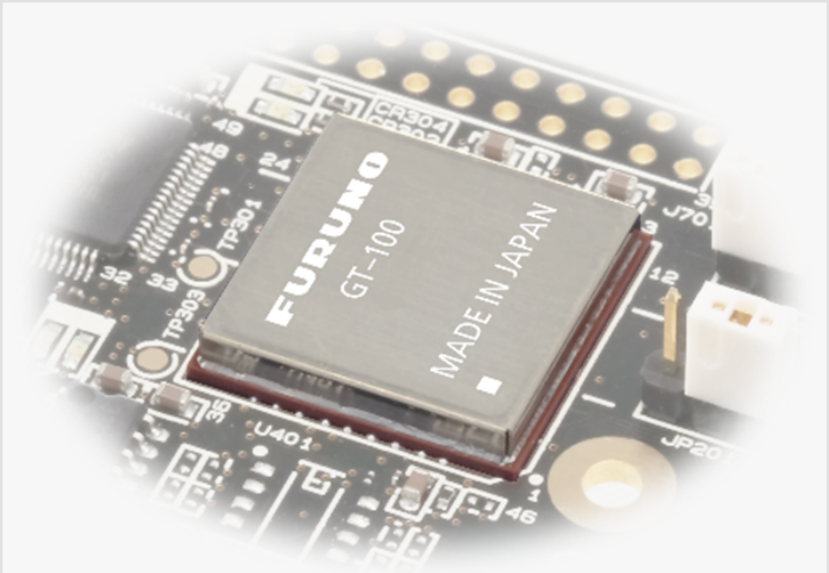
# Furuno to exhibit at the International Timing and Sync Forum (ITSF) 2023

*In addition to showcasing its latest dual band products, Furuno will also deliver a presentation on GNSS technology.*



Timing Multi-GNSS Receiver Module GT-100

Multi-GNSS Timing Antenna AU-500

NISHINOMIYA, HYOGO, JAPAN, October 25, 2023 /EINPresswire.com/ -- Furuno Electric Co., Ltd. (headquartered in Nishinomiya, Japan) will be exhibiting at the International Timing and Sync Forum (ITSF) 2023 in Antwerp, Belgium, from October 30 to November 2. ITSF is the largest timing and sync academic conference in the world, gathering the global industry together for three days of critical discussion, solution showcasing and networking. Prominent individuals from end-users, equipment vendors, manufacturers and standards bodies, will deliver talks and share their insights about the latest trends and developments.

Furuno we will be exhibiting the "GT-100 Timing Multi-GNSS Receiver Module", which offers world's highest stability, less than 4.5 ns (1sigma) and robustness achieved through dual-frequency reception (L1, L5). We will also introduce our AU-500 "Multi-GNSS Timing Antenna", supporting L1 & L5 bands to deliver high accuracy and stability when used in combination with the GT-100. Additionally, Charlie Ferreira, our Regional Manager, will address the benefits of using dual-band and multi-

constellation GNSS receivers to achieve the highest accuracy and robustness.

[Presentation Overview]
Time: 14:05 - 14:20 (CET), November 2, 2023
Speaker: Charlie Ferreira, EMEA regional manager, Furuno
Topic: Accuracy & robustness of time synchronization in multi-constellation & multi-band GNSS receivers
Overview: In recent years, the use of timing information has grown considerably. Particularly, with the transition to new generation communication technologies such as 5G. The need for higher precision in time synchronization has been increasing. Additionally, the proliferation of multi-band GNSS receivers capable of receiving signals in the new L5 band has raised expectations for improved location accuracy. It contributes to enhancing time accuracy and robustness in GNSS receivers for time synchronization. In this presentation, Charlie Ferreira elaborates on the benefits of dual-band GNSS receivers in achieving higher precision but also robustness.

[About Furuno Multipath Lab – Urban Canyon]
In July 2023, we established the "Furuno Multipath Lab," a new experimental facility in Osaka, Japan. In an urban area, GNSS signals reflect off buildings and create multipath waves, leading to degradation in GNSS time and positioning accuracy.
Furuno installed several GNSS receivers and antennas to acquire data over an extended period and to learn the effects of multipath in a real scenario. The facility also allows us to observe the ability of Furuno's GNSS receivers to mitigate these effects and how we can enhance this critical feature.

[About ITSF 2023]
Official name of the event: International Timing and Sync Forum (ITSF) 2023
Event dates: October 30, 2023 - November 2, 2023
Location: Hilton Old Town in Antwerp
Organizer: Executive Industry Events
Website: https://itsf2023.executiveindustryevents.com/Event/

[Exhibited products]
Timing Multi-GNSS Receiver Module: GT-100
https://www.furuno.com/en/products/gnss-module/GT-100
Multi-GNSS Timing Antenna: AU -500/AU -300
https://www.furuno.com/en/products/gnss-antenna/AU-500

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