

Real-world benefits of TSN under the spotlight at SPS 2023

24 October 2023

The CC-Link Partner Association (CLPA) is showcasing the latest advances in Time-Sensitive Networking (TSN) applications to support smart factories at SPS – Smart Production Solutions 2023. From 14th-16th November, attendees to Stand 108, Hall 5, will be able to experience how CC-Link IE TSN leverages the benefits of TSN technology to advance operations of manufacturers worldwide.

Once again, Nürnberg Messe will open its doors for SPS, a three-day physical event dedicated to exploring the latest technologies and trends in industrial automation. Under the overarching exhibition theme of “bringing automation to life”, the CLPA will highlight how its CC-Link IE TSN open industrial Ethernet helps manufacturers turn their vision of Industry 4.0 into reality. The solution is designed to support these aims by offering gigabit bandwidth to handle the metaphorical “explosion” of data Industry 4.0 is bringing, while delivering the convergence of multiple types of traffic to increase process transparency and drive its optimisation.

Visitors to the CLPA’s engaging booth will have the opportunity to delve deeper into the world of TSN and its use within CC-Link IE TSN, exploring its real-world applications across various industries. In particular, attendees will be able to look at a number of demos showcasing how the technology works and how it can support the creation of high-speed, deterministic and convergent industrial automation setups.

For example, a display hosting a number of industrial automation devices simulating a master/remote system will compare the performance of CC-Link IE TSN with industrial Ethernet networks that do not support TSN. This will allow visitors to understand how this technology can help implement ever more ambitious applications for smart factories. Another display will highlight the ability of a network solution with TSN to deliver a converged architecture for handling multiple types of traffic and enable the creation of the Connected Industries of the future. Finally, the CLPA will show how CC-Link IE TSN is well suited to address the need for deterministic synchronised control of systems using multiple motion axes.

As the user base of CC-Link IE TSN compatible solutions grows worldwide, the CLPA's booth will also feature a display of the latest real world applications in key industries – from footwear manufacturing to complex multi axis screen printing. Visitors will also be able to see products from some of the 380 manufacturers that now support CLPA network technologies, a demonstration of how these have been accepted worldwide.

John Browett, General Manager at the CLPA Europe, comments: "We are delighted to be back at SPS to show the practical benefits of CC-Link IE TSN, supported by real-world examples of how our open network technology is propelling the manufacturing sector into the future. The number of compatible industrial automation devices continues to grow, and so are the applications in a variety of sectors and regions. We look forward to meeting with existing and prospective partners as well as end users and machine builders. We would like to invite anyone interested in advancing their digital transformation journeys to visit our stand to meet our global team and learn more about CC-Link IE TSN and how it can help them."



Visit the CLPA on Stand 108, Hall 5 at SPS 2023, from 14th-16th November 2023, at Nürnberg Messe, Nuremberg, Germany:

<https://sps.mesago.com/nuernberg/en/exhibitor-search.detail.html/cc-link-partner-association-europe.html#exhibitorheadline>

Image captions:



Image 1: Visit the CLPA on Stand 108, Hall 5 at SPS 2023, from 14th-16th November 2023, at Nürnberg Messe, Nuremberg, Germany.

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About The CC-Link Partner Association (CLPA)

The CLPA is an international organisation founded in 2000 dedicated to the technical development and promotion of the CC-Link family of open automation networks. The CLPA's key technology is CC-Link IE TSN, the world's first open industrial Ethernet to combine gigabit bandwidth with Time Sensitive Networking (TSN), making it the leading solution for Industry 4.0 applications. Currently the CLPA has over 4,200 member companies worldwide, and more than 2,800 compatible products available from over 380 manufacturers. Over 40 million devices using CLPA technology are in use worldwide.

Further Information:

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