Round Table - Single Pair Ethernet
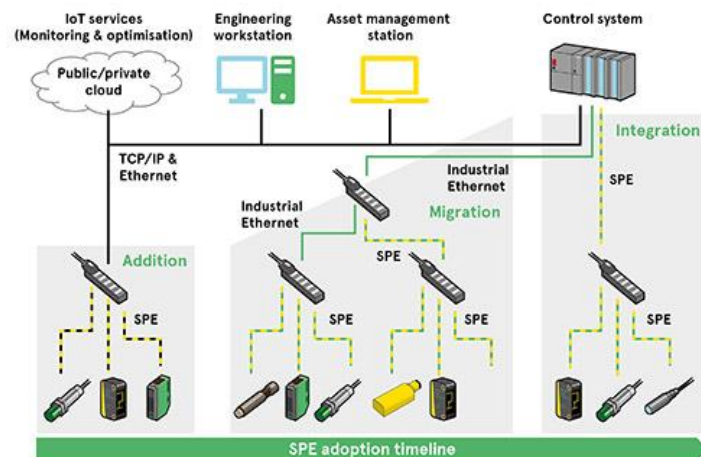
Single Pair Ethernet is a technology initiated by a large group of companies to realize new possibilities for Industrial Internet of Things and Edge Computing.

There are several companies in the electronics sector that are actively involved in this technology. New applications are made possible with semiconductors, connectors, cables, test & measurement and electronics in general.

Standards are being developed, the first devices are being launched on the market, which is why new applications are created in buildings, production and process industries. Within the various markets, there is a need for solutions within the current challenges surrounding the energy transition, Industrial Internet of Things, cybersecurity and autonomous production. There is a need for standardization in order to realize integrated collaboration in the business chains.

Challenges are seen for the SPE adoption around the following four topics:
1) Standards
2) Basic technology
3) Possible equipment 'communicating with edge computing'.
4) End-user applications.

You are invited to discuss the four topics with other professionals in a Round Table meeting. This is an open meeting. Anyone who finds SPE relevant to their business is welcome. The focus is on technological challenges and applications for end users.

The round table discussion will take place on Wednesday 6 July from 9.30 am - 12.30 pm at FHI in Leusden, the Netherlands.

The program is on the next page.

Program:

9.30 – 9.45   Eric Leijtens, TE Connectivity
As a participant in the SPE Partner Network, the speaker provides a picture of standards, components, equipment and applications.

9.45 – 10.00   Frank Mortiz, Sick
What about the development of Single Pair Ethernet?
Explanation of the SPE System Alliance on SPE.

10.00 – 10.15   Jaap Westeneng, Endress+Hauser
The different existing Single Pair Ethernet standards and where is the difference and/or overlap between SPE and Ethernet APL.

10.15 – 10.30   Questions and Answers

10.30 – 11.00   Break

11.00 – 12.30   Discussion about

                          1. Standards
                          2. Basic Technology
                          3. Possible equipment 'communicating with edge computing'.
                          4. End-User Applications.

What technological challenges are there?
Which applications will be possible for end users?
Is it now an important opportunity to pay attention to this theme during WoTS?
If so, which end users can we involve very quickly?