



Nordic Young Professional Workshop 2022

Sustainable mobility for sustainable communities

Mobility has a huge impact, both on people's everyday life and our planet. Objects such as access for all, improved safety, reduced climate and environmental impact, increased efficiency and secure supply are all central for further sustainable development of our communities. IEC International Standards are an important tool developed by consensus among technical experts worldwide on how to design, build and manufacture devices, systems and processes. The goal is to secure overall quality, efficiency and safety for affordable and competitive products and infrastructure in the electrotechnical sector.

This year's UN sustainable development goals

Click the icons below to get to the UN page to learn more about the SDGs in focus for this year's Nordic Young Professionals Workshop!



Goal 7: Affordable and clean energy

Between 2000 and 2018, the number of people with electricity increased from 78 to 90 percent, and the numbers without electricity dipped to 789 million. Yet as the population continues to grow, so will the demand for cheap energy.



Goal 9: Industry, innovation and infrastructure

Investment in infrastructure and innovation are crucial drivers of economic growth and development. With over half the world population now living in cities, mass transport and renewable energy are becoming ever more important.



Goal 11: Sustainable cities and communities

More than half of us live in cities. By 2050, two-thirds of all humanity – 6,5 billion people – will be urban. Sustainable development cannot be achieved without significantly transforming the way we build and manage our urban spaces.

Each group will be assigned one of the SDG above on the day of the workshop. A representative from a national standardization body will assist you during the group work. At the end of the workshop each group will be given five minutes each to present their work before a panel will discuss your findings.



First assignment – the constitution of the groups:

Time frame: approx. 10 min

- Each group should start with assigning a scribe within the group who will take notes summarizing the main points from the group work and discussions. Its up to you how you would like to do this, but since your results should be presented for all the Nordic YP at the end of the workshop we would recommend that you use power point or similar solutions.

The first slide (or similar if choosing other solutions than PPT) should include:

- Group name (up to you) and number
 - Names, nationality and employer of all group members. You can also add contact details, linked-in profiles or so on if you want other YP to be able to contact you after the workshop)
 - Your assigned SDG
- Then, the group must decide on a reporter among the members. This person will report back to the other Nordic YPs at the end of the workshop and present your group's findings and conclusions.





Second assignment – on your SDG and standards:

Time frame: approx. 50 min

Each group will be assigned a UN sustainable development goal (SDG) to focus on throughout this exercise. Other than this the groups can use their own assumptions to make the task more manageable. If you feel like it, you can decide on a certain type of transportation (public or personal), a certain location (e.g. rural or central, development or industrialized country), technology (e.g. batteries, hydrogen fuel cell) or a certain tool of transportation (e.g. ferries, trains, kick bikes).

Please list these assumptions in your presentation. You are of course also allowed to take on a more overall view, making no assumptions at all.

Tasks to present at the end of the workshop:

- What are, in your opinion, the main challenges for achieving this specific SDG when thinking about electric, sustainable mobility? You can make a table presenting the challenges you identify divided into the three pillars of sustainability: social, economic and environmental.

Insert your SDG here	
Social challenges	<ul style="list-style-type: none">••
Economic challenges	<ul style="list-style-type: none">••
Environmental challenges	<ul style="list-style-type: none">••

- What are the top three actions you could take to achieve sustainable transport in the next 15 years in regard to your assigned SDG and the assumption you have made? Make sub-points addressing the over-all challenges with these actions, identified through the first exercise.
- Which of these one to three actions/challenges could be addressed through electrotechnical standardization? List standards or areas of standardization relevant to the listed actions and challenges.
- For each (or as many as you'd like) identified standard or area of standardization, note as bullet points:
 - A short scope of the standards
 - The elements, methods and/or tools that the standard should comprise of.
- Identify benefits these standards should have for the process of making transport electrical and sustainable.