

Martti Kätkä from Technology Industries of Finland presented in a nutshell how the synergy of investments in new technologies defines the path towards carbon neutrality in Finland. The promotion of Finnish technology in the energy sector opens a wide range of business opportunities: from power to heat and fuel/hydrogen production. It is a reality that the nuclear energy has a key role in climate change mitigation: for four decades, the nuclear industry in Finland has provided a low-carbon source of electrical power at a large scale. Today, the emphasis is on the decarbonization of the district heating sector through the deployment of small modular reactors (SMRs).

Karoliina Salminen from VTT presented an overview of how the Finnish industry is evolving towards sustainable digital, climate-neutral, and human-centered manufacturing. New concepts require creating a supply chain network built from the existing competencies. The nuclear industry is not an exception. From a safety culture and relying on the regulations, standards, and guidelines from the sector and trusted technologies, the supply chain assembled around the commercialization, development and deployment, of small modular reactors (SMRs) as a manufactured product call for the collaboration and co-operation from all actors in the network and the re-evaluation of the design and manufacturing processes and operations.