SUSTAINABLE DEVELOPMENT

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Sandrine Maubert, Deputy Director of Nanoelec

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For sustainable competitiveness in the electronics industry

New ways of questioning our processes.

Inspired by its industrial partners, Nanoelec is active in four work areas in line with the United Nations' framework for sustainable development goals.

We conducted in 2022 an R&D Life Cycle Assessment (LCA) for a new display manufacturing process under development at Nanoelec. At the same time, in conjunction with Minalogic, we are evaluating and setting up a fast-diagnosis methodology to help SMEs assess the societal and environmental impact of their innovation projects. We are also working on human capital and skills by building a full range of training modules for sustainable electronics. And finally, in spring 2022, we launched our first ever competition for women in technology research. Even if our major areas of focus remain technological, we are fully aware that to be competitive, industries must properly manage their environmental and societal impact.

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Four work areas for sustainable development

In 2021, after a survey seminar in November 2020, Nanoelec launched a number of cross-cutting work areas in sustainable development, in response to the recommendations that accompanied the decision for further funding.
The Nanoelec Sustainable Development action plan comprises four work areas.

Two of them concern **eco-innovation for R&D projects:**

- A quick and inexpensive diagnostic solution for companies looking to run a project within the Easytech framework;

- An eco-innovation tool in the R&D phase for the new-generation display production sector, currently under development with Aledia as part of the Displed program.

Two of these work areas concern **management, skills and governance:**

- Events to promote greater gender equality in the electronics sector;

- Design of training courses for sustainable electronics, through the Human Capital and Training Design program.