

RESEARCH PROGRAM IN ELECTRONIC DEVICES

CONTEXT

Electronics is at the **heart of the digital functionalities** of products and services in our societies. It is becoming a strategic issue, exposed to strong risks of takeover by foreign industries or other states. The government has made **electronics a priority** in its national strategy for technological and industrial research and development. In particular, it has entrusted the CNRS and the CEA with overseeing the Electronics PEPR (Priority Research Programmes and Equipment). This research program aims **to generate innovations, to accelerate growth and relocate certain production facilities** in France and Europe, using new technological solutions, economically and ecologically sustainable.

MISSIONS

- > Create and support national technological sectors, in academic laboratories with high industrial potential
- > Stimulate the development of technologies at a convincing maturity level (TRL 4)
- > Bring together dispersed scientific skills on a national level
- > Drive material-component-subsystem convergence between relevant research teams

2 PARTS

- 1 Strengthening and upgrading:**
 - the micro-nanofabrication equipment of the RENATECH network led by the CNRS
 - the PFNC nanocharacterisation platform of the CEA
- 2 Strengthening scientific part around 4 main themes:**
 - Digital perception
 - Electronics for conversion
 - Components for telecommunication
 - Electronics for calculation

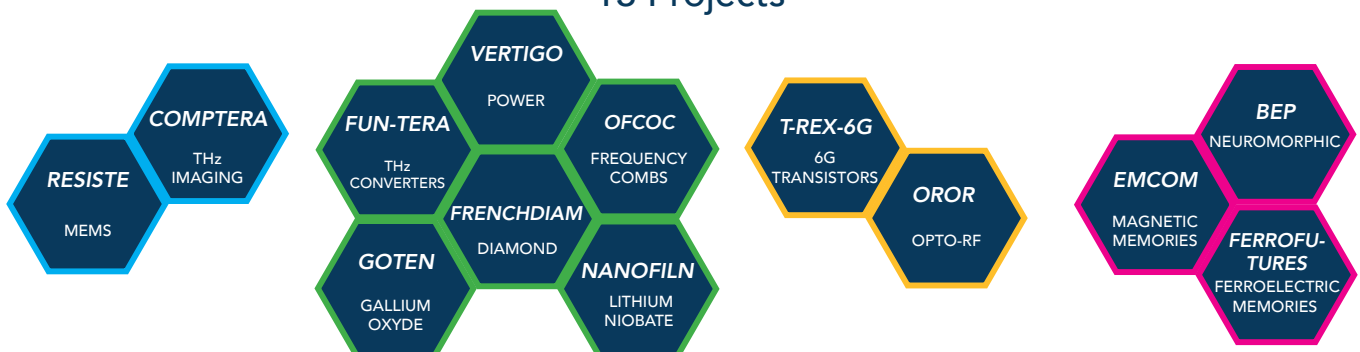
Including 13 targeted projects and 3 cross actions

PROGRAM OVERVIEW

4 themes



13 Projects



3 Cross Actions



2 Investment Projects



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Access to our website

