

NEW MATERIALS



## TREATMENT OF MATERIAL BY IRRADIATION

### Accessible and versatile platform

- energy and dose rates regulation, control of environmental conditions, material not activated by irradiation

### Innovation capabilities

- expertise from partner research laboratories, participation to international projects, scientific collaborations with CNRS, CEA and Universities

### Partner of your research

- confidentiality of works, Research Tax Credit approval for the benefit of the Client

R&D

Bringing energy to a material can lead to its characteristics improvement and to the **emergence of new highly technical materials** for specific applications.

ATRON has **X-ray and electron irradiation capabilities** implemented **in a controlled environment** for this purpose:

- In continuous electron beam up to  $6 \times 10^{15}$  e-/s in terms of intensity scanned on a  $22 \times 4$  cm<sup>2</sup> area, under vacuum, at temperatures between -200 °C and +500 °C;
- In X fields up to 500 Gy/h in a uniform field, in air or under a controlled atmosphere.