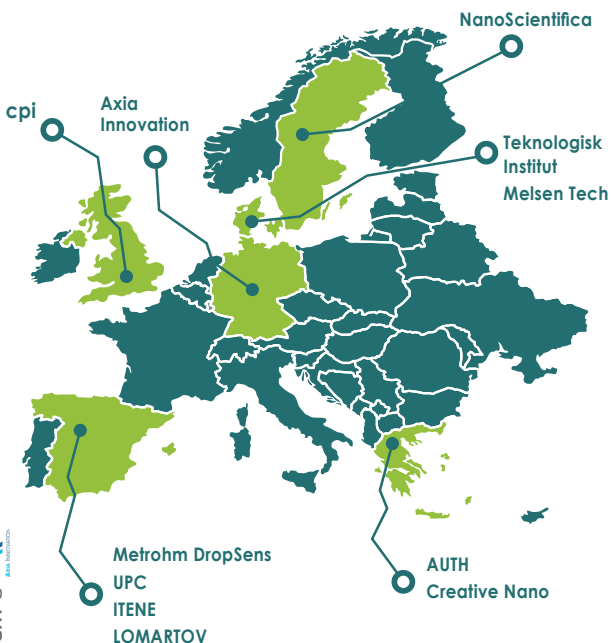


PROJECT PARTNERS



11 PARTNERS
6 EUROPEAN COUNTRIES



COPYRIGHT ©
AXIA INNOVATION



Funded by the
European Union

This project has received funding from
the European Union's Horizon Europe
(HORIZON) programme under the grant
agreement No. 101070556

PROJECT COORDINATOR

TEKNOLOGISK INSTITUT

GREGERSSENSVEJ 1
2630 TAASTRUP
DENMARK

www.dti.dk



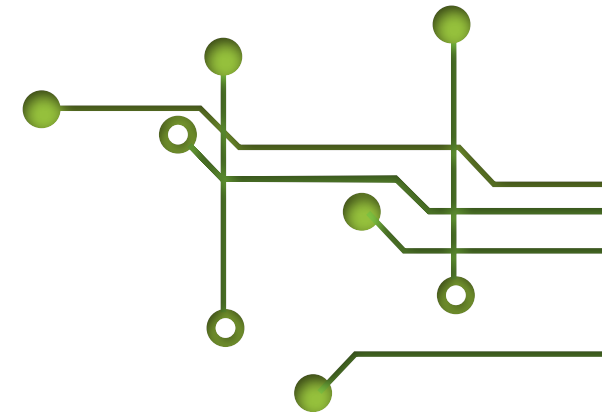
www.sustainaprint.eu
info@sustainaprint.eu

#SUSTAINAPRINT



SUSTAIN A PRINT

SUSTAINABLE MATERIALS
AND PROCESS FOR GREEN
PRINTED ELECTRONICS



PROJECT DETAILS

START DATE: OCTOBER 2022

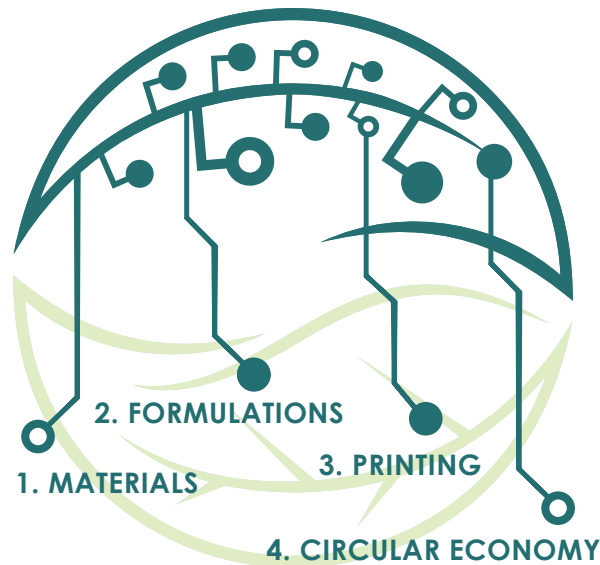
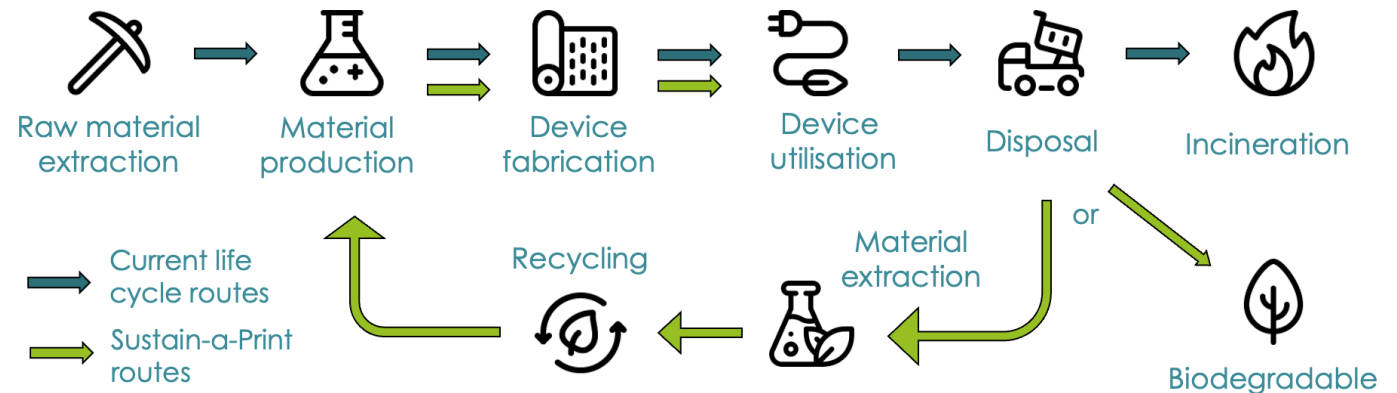
DURATION: 36 MONTHS

EU CONTRIBUTION: 4.1M €

WWW.SUSTAINAPRINT.EU

SAP IN A GLANCE

Sustain-a-Print (SaP) project aspires to replace fossil-based materials used for printed electronics (PE) production by developing recycled, bio-based, and biodegradable alternatives following Safe and Sustainable by Design (SSbD) methodologies and synergizing with the Circular Economy Action Plan put forth by the European Union.



SAP FOCUS AREAS

- 1) Materials:** Development of biodegradable and recyclable substrate materials, and functional nanomaterials (NMs) utilized in ink formulations.
- 2) Formulations:** Development of environmentally benign ink formulations and adhesives for optimizing End of Life (EoL).
- 3) Printing:** Development of digital printing methods using ink formulations (focus area 2) on substrates (focus area 1).
- 4) Circular Economy:** Biodegradation and recycling – breakdown and separation of PE into smaller elements that can then be refined into raw materials for focus area 1.

Biosensors

- Cheap and biodegradable substrates, based on bioplastics or cellulose
- Bio-based and biodegradable conductive and dielectric materials
- Cheap high-performance materials and materials-saving processes based on recycled Au/Ag or biobased alternatives

Membrane Switch/keyboards

- Reduction of production costs through cheaper/sustainable inks, materials saving, and automated digital production processes
- Improvement of the robustness through the elimination of silver printed materials electromigration

INDUSTRIAL END USER CASES

