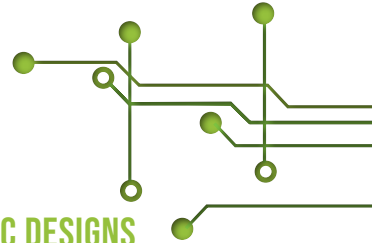


SUSTAINABLE MATERIALS AND PROCESS FOR GREEN PRINTED ELECTRONICS



SUSTAIN A PRINT



FINDING GREENER ALTERNATIVES AND COMBINING RECYCLABILITY AND BIODEGRADATION INTO ELECTRONIC DESIGNS

Sustain-a-Print (SaP) is a Horizon Europe project, under which 11 organizations from 6 European countries joined forces, aiming to tackle the challenges of developing recycled, bio-based, and biodegradable materials to produce printed electronics (PE), as an alternative to the current fossil-based ones. SaP will introduce new production routes while following Safe and Sustainable by Design (SSbD) methodologies into each step of the PE life cycle and synergizing with the Circular Economy Action Plan put forth by the European Union.

SaP FOCUS AREAS

- 1) Materials:** Biodegradable and recyclable substrate materials and functional nanomaterials for inks
- 2) Formulations:** Environmentally benign ink formulations and adhesives
- 3) Printing:** Development of digital printing methods
- 4) Circular Economy:** Biodegradation and recycling – separation of PE into smaller elements

TECHNOLOGIES

- o Digital Printing
- o Solvothermal batch and flow chemistry
- o Ultrasonication
- o Polymerization and extrusion techniques
- o Screen and inkjet printing
- o Separation and recycling technologies

2 INDUSTRIAL END-USER CASES

- o Biosensors
- o Membrane Switch/keyboards

START DATE: **OCTOBER 2022** | DURATION: **36 MONTHS** | EU CONTRIBUTION: **4.1M €**

WWW.SUSTAINAPRINT.EU



PROJECT PARTNERS



**TEKNOLOGISK
INSTITUT**



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