

## CIRC-UIITS PROJECT CONTINUES IN THE SECOND HALF OF 2023!

The project aims to develop sustainable methods, based on a circular model, to produce new high added value components and products by reusing semiconductors from different sources and supporting their remanufacturing.

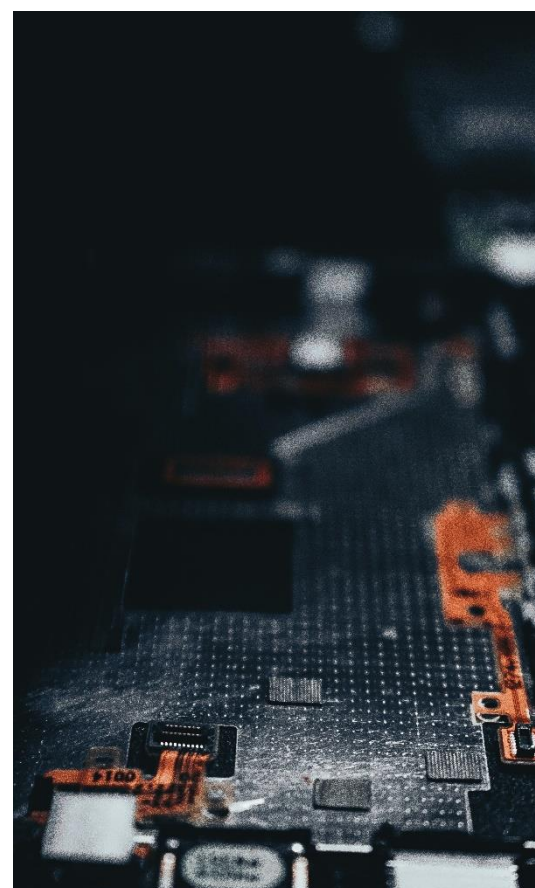
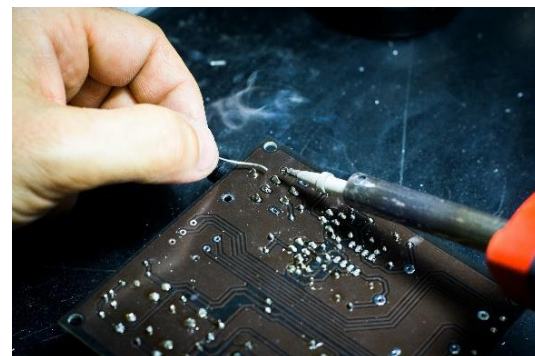
The Circ-Uits consortium which focuses on demonstrating the improvement of the circularity in the automotive and mass electronics sectors by reusing semiconductors from different sources, as well as supporting the reuse and remanufacturing of semiconductors into new, highly-added value components and products in these sectors continues its professional progress in the second half of the year.

The project demonstrates the benefits of the digital circular economy through 4 pilot projects:

- Supporting the development of an **environmentally friendly electronic control unit**
- Developing **new generation tire sensors**
- Supporting the **development of embedded circuits**
- Improving the classification and storage of obsolete printed circuit boards from various electrical and electronic equipment

Furthermore the main objectives of the three-year project are:

- To fully exploit the potential and benefits of circular practices through digital technologies.
- Increasing resource efficiency, independence and reducing the negative environmental footprint of electronics manufacturing processes.
- Improving the sharing, exchange and standardization of information and data between industry leaders in the same and/or similar value chains.



Contact us



This project has received funding from the European Union Horizon Programme under grant agreement NO 101091490.



## Continuous activities - Partner meeting in Berlin

The project led by an Italian partner and involving 20 partners in total, the programme will run for 36 months. It aims to reduce the negative impacts, mainly on the environment, of the increasing dependence on semiconductor-based systems in the mass electronics and automotive sectors.

The project also includes testing in a suitable industrial environment.

The project partners met in Berlin, Germany in June 2023 to discuss the progress of the project, present the results achieved so far in each workpackage.

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[www.circuitsproject.eu](http://www.circuitsproject.eu)



## Project consortium

1. Politecnico di Milano/POLIMI – Italy *lead partner*
2. OFFIS - Institut für Informatik - Germany
3. Austrian Society for Systems Engineering and Automation - Austria
4. Scuola universitaria professionale della Svizzera italiana /SUPSI - Switzerland
5. Asociación de Empresas Tecnológicas Innovalia /INNOVALIA - Spain
6. Nederlandse Organisatie Voor Toegepast Natuurwetenschappelijk Onderzoek/TNO - Netherlands
7. TXT E-Solutions Spa - Italy
8. Centro Ricerche Fiat Scpa/CRF - Italy
9. Robert Bosch GmbH/BOSCH - Germany
10. Alpha Assembly Solutions Germany GmbH/ALPHA - Germany
11. Continental Automotive France SAS/CONTI – France
12. WHIRLPOOL EMEA SPA - Italy
13. Material Recycling and Sustainability (MARAS) B.V./MARAS - Netherlands
14. BeSu Solutions GmbH/BESU - Germany
15. Pollini Lorenzo e Figli srl /POLLINI - Italy
16. TracXon BV/TRACXON - Netherlands
17. Erion Compliance Organization Scarl/ERION - Italy
18. DIN Deutsches Institut fuer Normung/EVDIN - Germany
19. MADE Scarl – Italy
20. Pécs-Baranyai Kereskedelmi és Iparkamara – Hungary

