

Innovative systems to implement a circular model in tire production by recycling end-of-life tires and production scraps



PROJECT LIFE TIRE2TIRECYCLE

LIFE 19 ENV / IT / 000496

The “LIFE” Programme is the European Union main instrument to promote environmental sustainability by co-financing specific projects, according to the long-term vision of “**Living well within the limits of our planets**”. Electronic Systems presented an ambitious project “**LIFE TIRE2TIRECYCLE**” to funding Call LIFE 19: an integrated model to recover and subsequently reuse of rubber recovered from end-of-life tires. In 2020, the project was awarded with a Grant Agreement.

The **objective** is bringing to the market two innovative systems implementing a full circular model to reuse reclaimed rubber from ELTs and to rework and reuse scraps of tire production. The **solution** is the realization of two full industrial scale demonstrators:

- **RECYCLE system** recovers rubber from ELTs, 100% textiles-free, devulcanised and reusable within tire-manufacturing and technical rubber industry
- **REWORK system** turns scraps and defective tire production components into rubber totally reusable within the process

Key actions: demonstrate the two systems at full industrial scale at two leading producers, perform LCA, disseminate project results, and promote further replications.

The machineries will be assembled and tested in the new 2000m² facility in Electronic Systems Momo headquarter, while the demonstration lines will be installed at two important industrial plants in Germany.



Duration: Start 01/09/2020 → End 31/08/2025

Project Implementors.

- **Coordinating Beneficiary:**
Electronic Systems S.p.A, Momo (Italy)
- **Associated Beneficiary:**
Kurschat Systems GmbH, Mörfelden-Walldorf (Germany)

Budget Info.

Total eligible amount: € 9,584,099
EU Co-funding: 51,41%
Max. EU Contribution: € 4,926,973
Beneficiaries Contrib.: € 4,657,126

