



Sustainable energy harvesting systems based on innovative mine waste recycling

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| FUNDING BODY | Horizon Europe |
| GRANT AGREEMENT NUMBER (IF ANY) | 101058632 |
| WEBSITE | https://www.start-heproject.com/ |
| SOCIAL MEDIA | LinkedIn Twitter Youtube |

»» SHORT DESCRIPTION OF THE PROJECT

START project's primary objective is to build an innovation ecosystem in the European Union (EU) related to the development of sustainable and economically viable tellurium-free thermoelectric (TE) waste heat harvesting systems, to be applied in heavy industry, maritime industry and also as primary power source for off-grid sensors and IoT devices.

»» WHY IS IT IMPORTANT?

EU's industry have high amounts of energy that is dissipated as heat. Application of thermoelectric devices can transform this waste heat into electricity, essentially becoming a green source of energy. However, current thermoelectric devices use toxic, rare and expensive materials. START is developing cheap and functional devices that use waste minerals. This will boost the application of thermoelectrics to generate energy in Europe.

