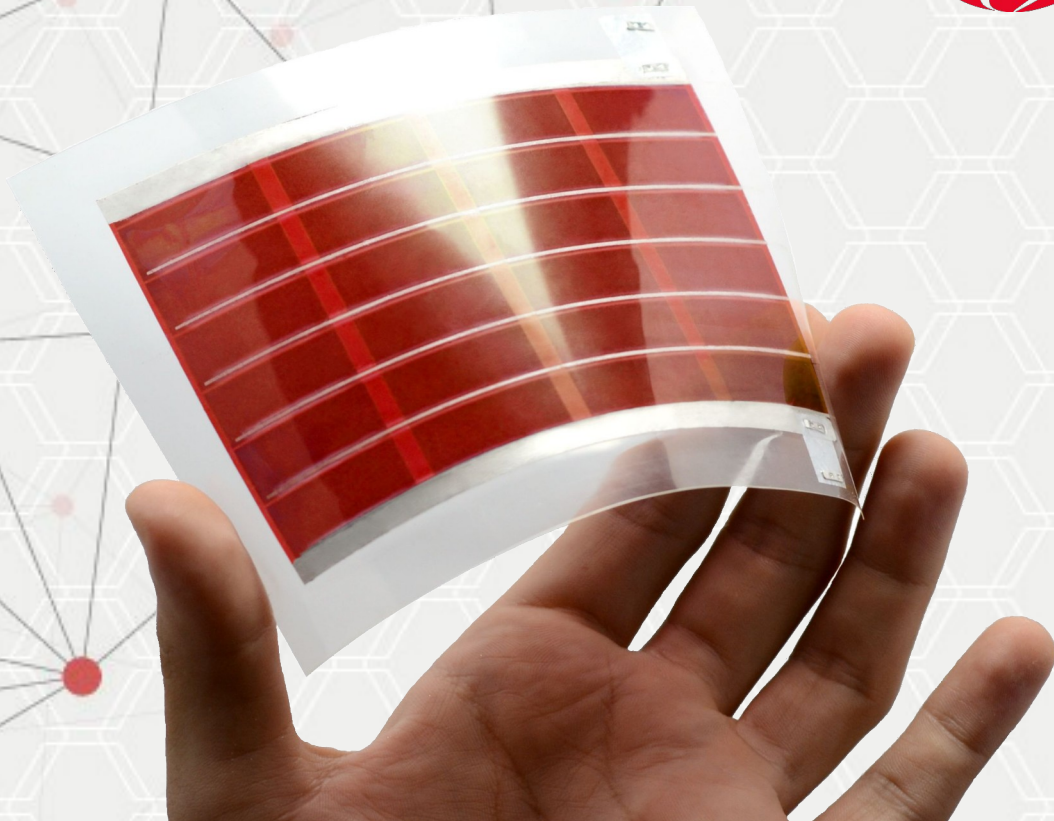


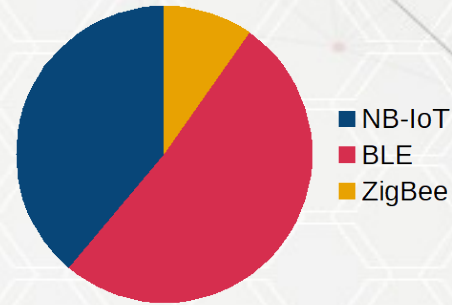


Flexible photovoltaics
for the Internet of Things

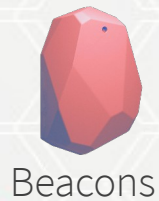


○ 10,3 billion

devices connected (lowPower only) by 2025



Looking for enabling technologies to fully deploy



Beacons



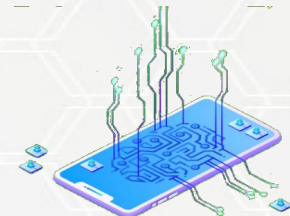
Automation



eHealthcare







"23 billion batteries in IoT by 2025" - IEA
"275 million battery changes per day" - ScienceNode

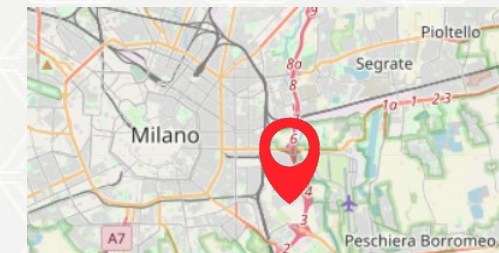
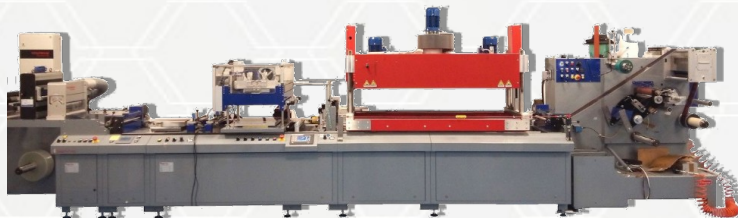


"48bln\$ in IoT Sensors by 2023"
- BCCResearch

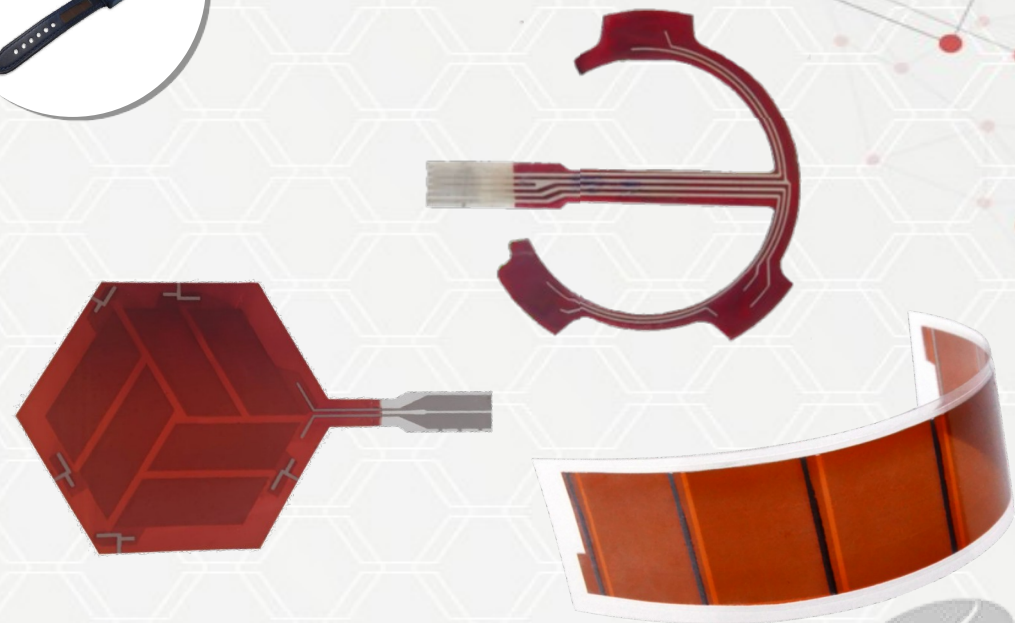
FLEXIBLE PV

PRINTING ELECTRONICS

-  Fully plastic
-  Green production processes
-  No rare or scarce materials
-  Short energy payback time



AT THE CORE OF OUR INNOVATION



ENERGY HARVESTING

A PV sensor to enable contactless button activation



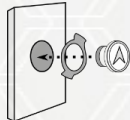
SMART & SAFE



EASY TO USE



ROBUST



EASY TO INTEGRATE

Italy is the 2nd market for elevators (10 mln buttons in 2018);

At 20€/pc the Italian market corresponds to 200 mln €.

Production: 50k/year, scalable to 1mln/year.

3 lift producers partnership, EU expansion 01/22.

SMART INTERFACES: DAPHNE PV



Antonio Iacchetti

CEO & co-founder
M.Sc. + PhD in Electrical eng



Michele Garbugli

CTO & co-founder
M.Sc. + PhD in Physical eng



Francesca Scuratti

CPO
M.Sc. + PhD in Physical eng

+ **Giacomo Giuliani & Matteo Iacomini**
Process Engineers

Antonio Bartesaghi
President & co-founder
CEO of OMET srl



ADVISORY BOARD

Guglielmo Lanzani Director CNST – IIT
Dario Natali Professor Electrical Eng. - PoliMi
Mario Caironi Team leader printed electronics - IIT

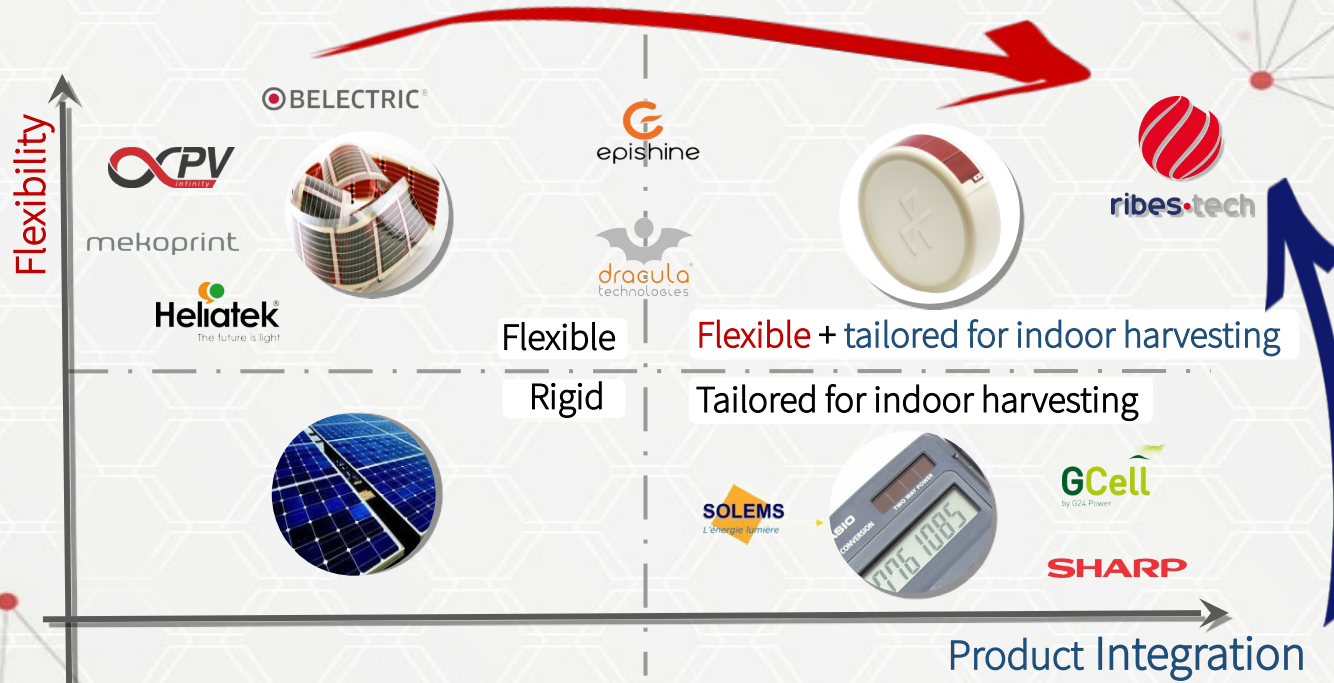


TEAM



Via Quintiliano, 33
20138 Milan, Italy

info@ribestech.it



3rd generation PV offers unique advantages in terms of flexibility, customization freedom and lightness. We combine these properties with a specific product tailorization for IoT energy harvesters.

COMPETITIVE SCENARIO