DROP-IT

www.drop-it.eu

Contract No. 862656

EUROPEAN COMMISSION

RESEARCH EXECUTIVE AGENCY

H2020 Fostering Novel Ideas: FET-Open

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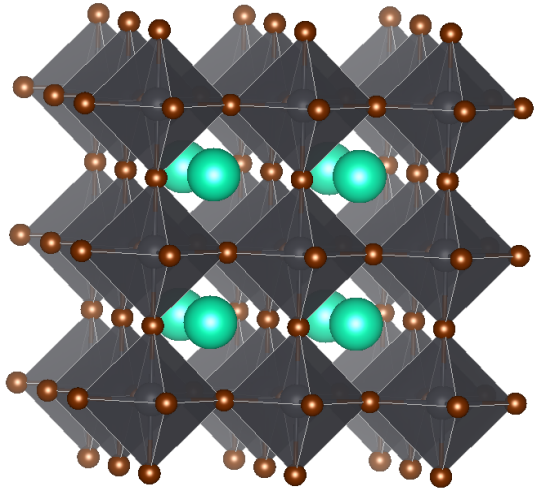
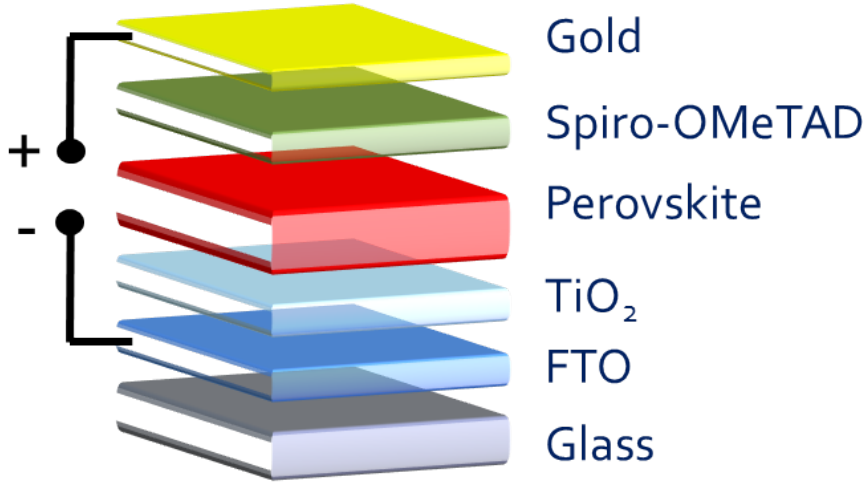
University of Valencia

DRop-on demand flexible Optoelectronics & Photovoltaics by means of Lead-Free halide perovskITes

SILICON PV: WELL STABLISHED TECHNOLOGY

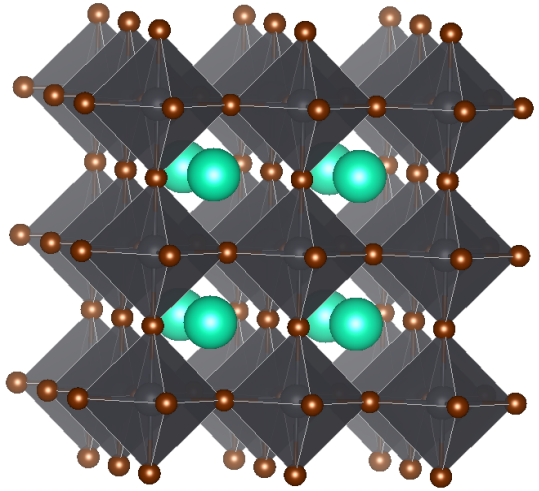
> 40 YEARS





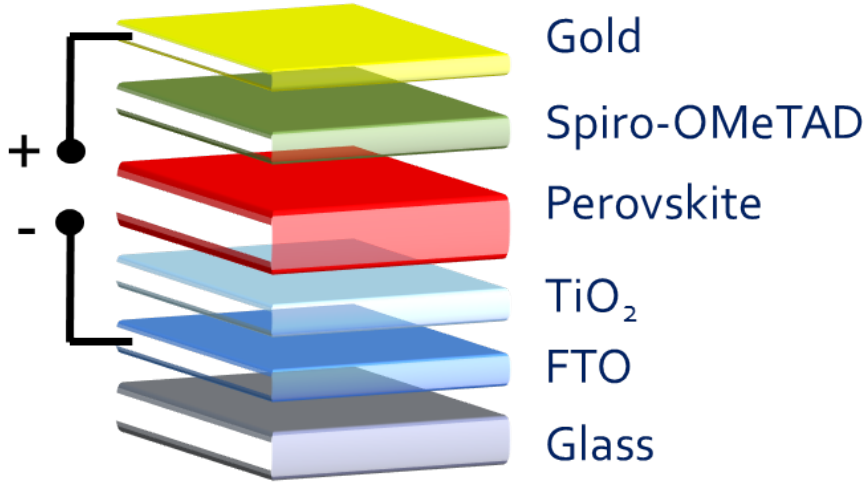
IN ONLY 7 YEARS

SOLAR CELLS OF **LEAD HALIDE PEROVSKITES** DEMONSTRATED EFFICIENCIES (>25%) VERY CLOSE TO **SILICON** !!!



INCONVENIENTS:

LEAD + STABILITY



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NO LEAD

Lead Free
Perovskites

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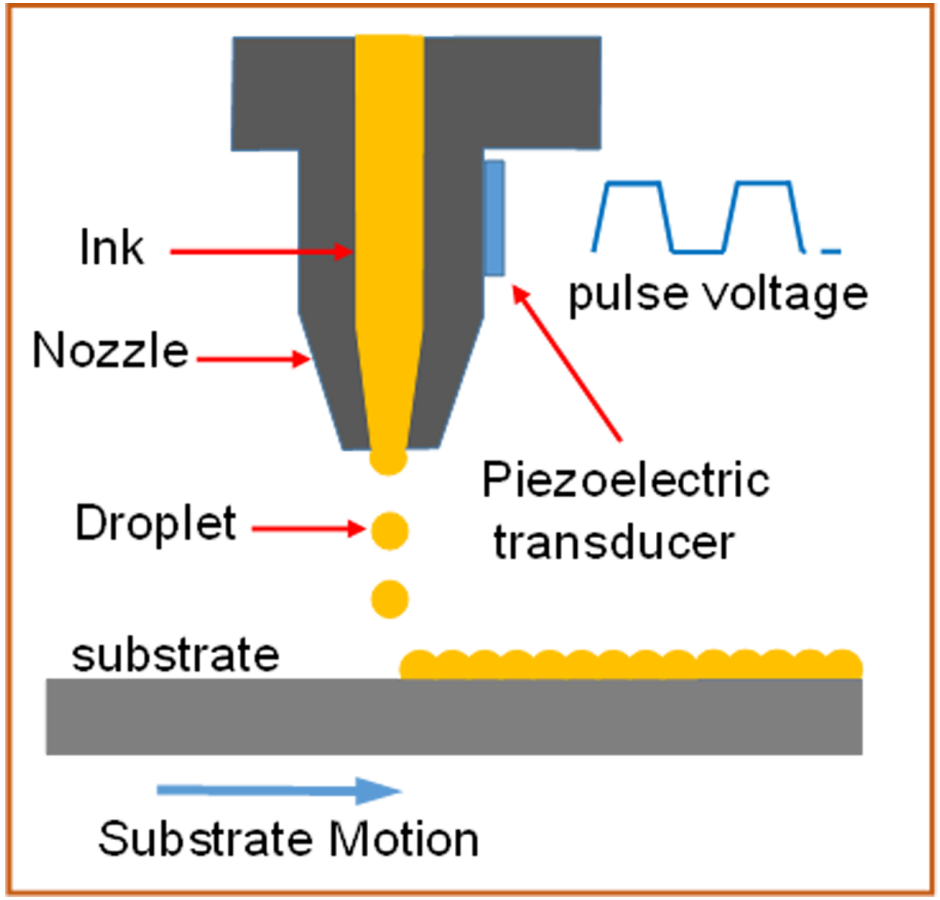
NO LEAD +

INKJET PRINTING



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NO LEAD +

INKJET PRINTING +

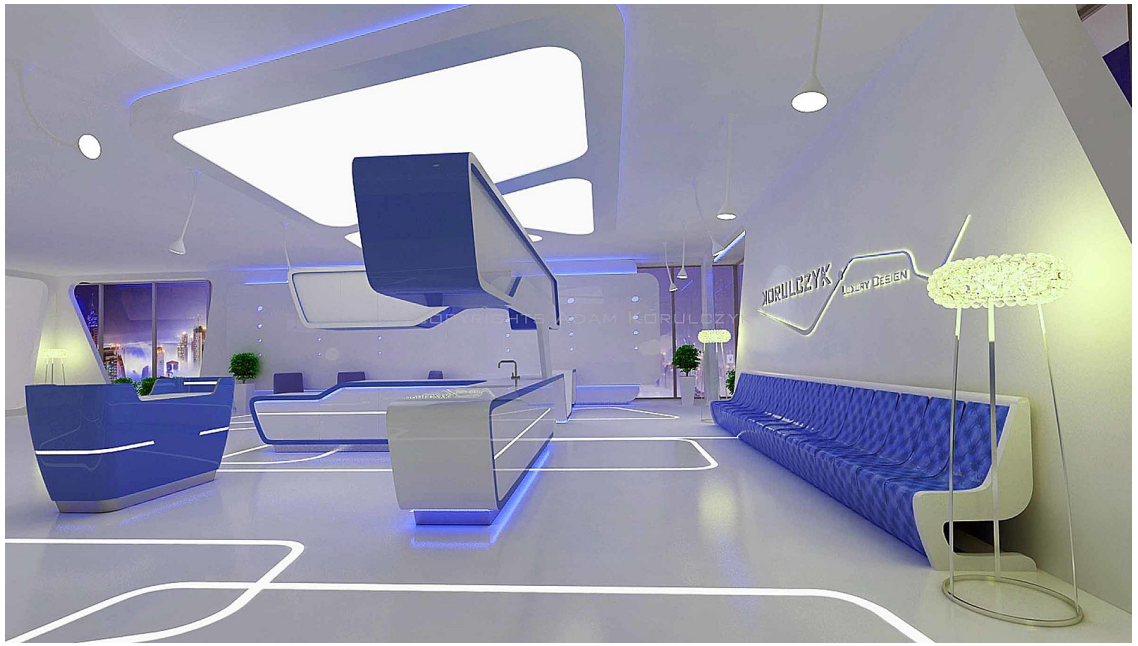
FLEXIBLE SUBSTRATES

= FUTURE DEVICES

PV, LIGHTING, PHOTONICS

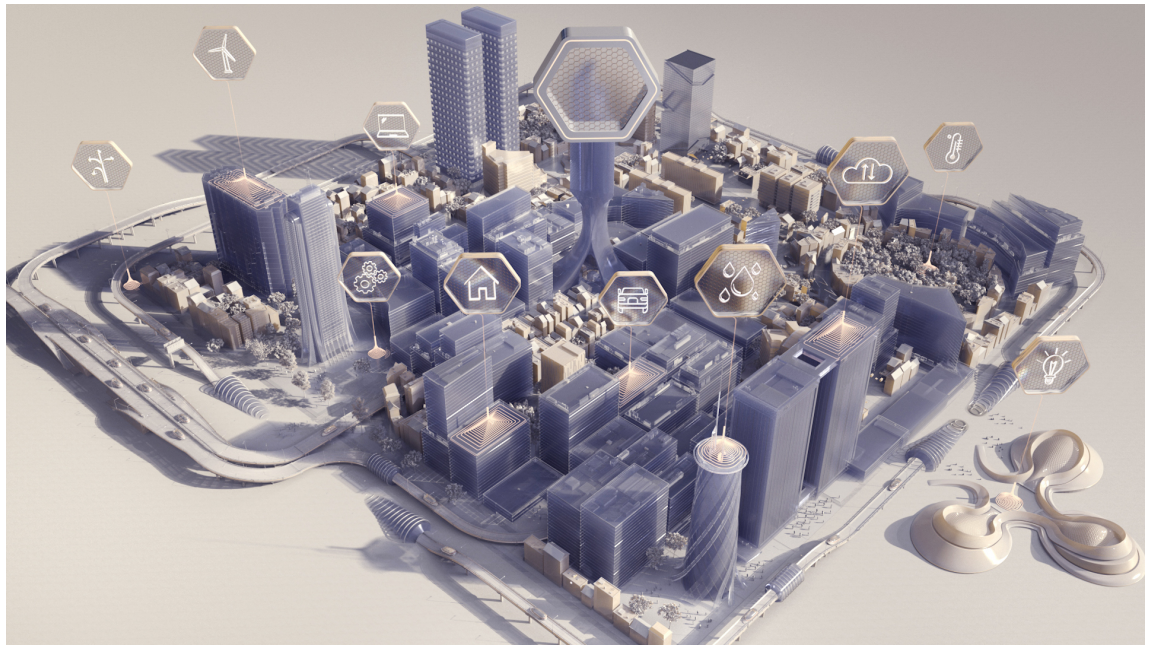
NEW MARKETS FOR NEW TECHNOLOGIES

Free – wikimedia commons



SMART FURNITURES
INDOOR PV

© SAULE TECHNOLOGIES



THE INTERNET OF THINGS

DROP-IT CONSORTIUM

INTERDISCIPLINAR TEAM:

1) **Coordinator:** University of Valencia
2) University of Barcelona (UB)
3) University Jaume I (UJI-INAM)
4) ETH Zurich (ETHZ)
5) INSA Rennes

6) Saule Research Institute (SRI)

7) Saule Technologies
8) Avantama

THANKS FOR YOUR ATTENTION!!

PLEASE, VISIT OUR WEB FOR MORE DETAILS AND CURRENT WORK: **www.drop-it.eu**

Twitter: @DropitProject

or write to me: Juan.Mtnez.Pastor@uv.es