



Battery Strategy Line

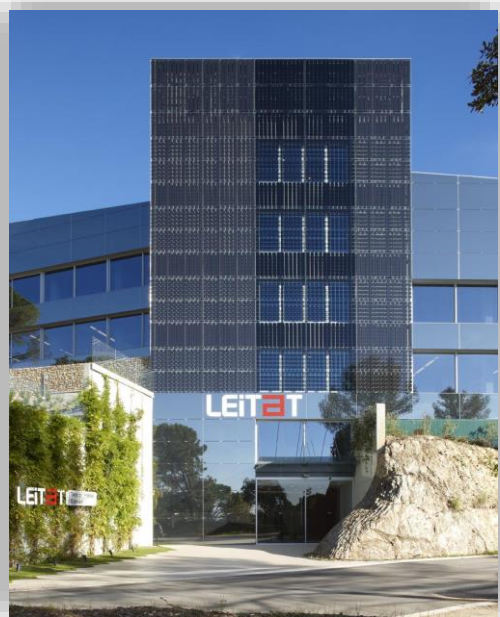
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International Project Office

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LEITAT – a leading Spanish RTO



11 sites



126 H2020
(104 grants)
27 coordinated

24 Horizon Europe
3 coordinated

+1000 Partners

+50 Countries

European Leadership NMBP
(Nanotechnology, Materials, Biotechnology & Manufacturing)



28 CIEN projects

73 PID projects

50 RTC/PCPP projects

8 Missions



Founded in
1906



54 M€
Income



+500
Industrial
projects



2.300+
Customers



550
Employees



Spanish RTO in
return under
H2020

5 Interconnected areas

Leitat operates under a collaborative model that connects teams, projects and clients. Delivering comprehensive solutions to our clients.



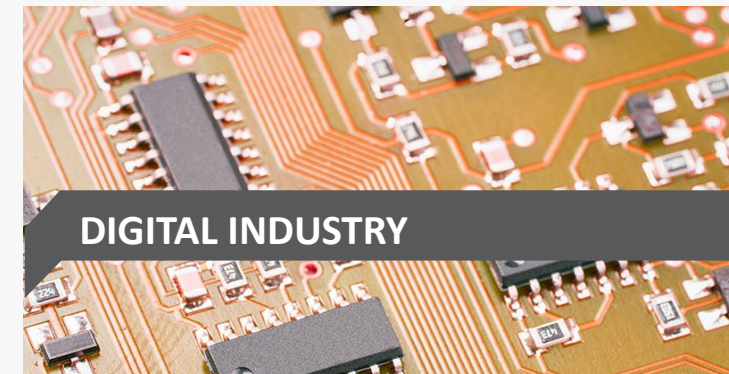
HEALTH & BIOMEDICINE

Oncology, antibodies, skin health & cosmetics, metabolomics & bio-analytics, food & health, Nervous system, regenerative medicine, biosensors.



CIRCULAR ECONOMY & DECARBONIZATION

Sustainability, biotechnology, novel bioresources, human environmental health and safety, environmental technologies, [Energy storage](#).



DIGITAL INDUSTRY

IoT, robotics and automation, additive manufacturing, energy conversion & photonics, integration & technology adoption.



APPLIED CHEMISTRY & MATERIALS

Advanced materials, Home and personal care, Tribology and metals processing, materials chemistry.



ADVANCED TECHNOLOGY SERVICES

- Materials Certification
- Fire behaviour
- Microscopy and Colorimetry
- Physical and Mechanical properties
- Materials aging

Recycling primary and secondary streams to Battery



Huge Portfolio **25+ EU** Battery Projects

Raw material
recycling
(Mines)

EoL Pack
Assessment

Smart
Disassembly

Digitalization

Pre-mechanical
treatment

Hydrometallurgy

Battery
assessment

Selective recovery –
membranes for
Minerals **Metal
recovery**, Mine
waste

Electrical
assessment of EoL
Pack, module or cell
for its **sorting**
and/or **deactivation**
to **Repair**, **Second
life** or **recycling**;

Automatization of the
process of
disassembly,
including
collaborative robotic
and **AI**; **Additive
Manufacturing
Prototyping** for
disassembly tools and
**Support on Pack
Design for
recyclability**

Digitalization of the
parameters or
process
(manufacturing,
recycling, digital
twin) for **second
life**, **recycling** or
production scraps

Advanced
separation
processes to reach
high purity black
mass (optical
sorting method
coupled with **AI**);

Massive portfolio of
chemical,
electrochemical,
membrane
technologies for
leaching,
separation and
pCAM recovery

Synthesis of CAM,
ink and **electrode
manufacturing**,
**solid and liquid
electrolytes**, **cell
assembly**,
electrical, thermal,
mechanical,
abusive, post
mortem,
characterization

LEITAT

managing technologies

LEITAT

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Organismo Notificado 0162

