

COLIVINGLIGURIA

Benefit Company pathway in progress; innovative-startup

SIAVS registration requested

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Internship Project Proposal

Luna Materials and Manufacturing

Internship — Inte-010

Issuer: ColivingLiguria S.r.l.

Inte-010

This Inte1 form presents an internship project in a compact academic format. It is a project proposal and operational plan: it does not create employment, does not replace a student-specific ConI internship agreement, and does not activate the internship without the required university/promoting-entity paperwork and insurance confirmation.

Project Identification

Form code	Inte-010
Project code	LU-MAT / Inte-010
Project title	Luna Materials and Manufacturing: Envelope Film, Sealing, Frame Materials, and Prototype Process
Track / area	Curricular internship / deep-tech engineering and applied research / Materials science, manufacturing engineering, polymers, technical textiles, sealing, lightweight structures, and prototype production
Host entity	ColivingLiguria S.r.l. (Benefit Company and SIAVS pathways in progress)
Supervisor	Simone Testino
Location	Hybrid: Cairo Montenotte project base, Luna documentation system, and remote modeling/software work
Mode	Hybrid or on-site; prototyping and physical testing require supervised on-site sessions
Source documents	Luna engineering notes, PF-LU-001 ESG report, ENAC inquiry, product compliance register, ConI, Attachment G

Student Identification

Candidate	Candidate to be identified
University	Promoting university to be identified
Programme	Materials science, manufacturing engineering, mechanical engineering, chemical/materials engineering, industrial design engineering, or equivalent
Academic level	Minimum: final-year Bachelor student; preferred: Master student or thesis-level intern
Student email	To be defined
Academic tutor	To be defined by the promoting university
Insurance / activation	Internship cannot start until INAIL/RC or equivalent accident and civil-liability coverage is confirmed by the promoting entity
Language	English B2 minimum; Italian useful for suppliers and local testing
Status	Open internship proposal

Quantitative Internship Data

Start window	Open after project scope alignment and university/promoting-entity approval
Indicative duration	10–12 weeks standard track; extendable to 3–6 months for thesis, modeling, or prototype work
Expected workload	Approx. 25–30 hours/week
Total expected hours	300 hours
University credits	12 ECTS / CFU equivalent
Credit calculation note	Calculated at 25 hours per ECTS. The final credit value remains subject to the promoting university's rules.
Form date	18 July 2026

Objective

Develop the material and manufacturing dossier for Luna: envelope films, helium barrier properties, optical diffusion, heat sealing, lightweight frame materials, supplier comparison, prototype procedure, repair logic, and cost/quality controls.

ConI, Eligibility, and Responsibilities

Standard Luna Inte1 proposals are intended for students actively enrolled, at the moment of application and activation, in a European university or equivalent recognised higher-education institution. Strong non-standard candidates require separate legal review before acceptance.

Every candidate must read the current ConI Internship Agreement before submitting a final application. ConI governs responsibilities, insurance, academic activation, confidentiality, intellectual-property access, and the distinction between an educational internship and employment.

Minimum Candidate Profile

The candidate must understand material properties and practical manufacturing constraints. Preferred skills include polymer films, biaxially oriented PET (BoPET), comparable barrier films, technical textiles, heat sealing, supplier datasheets, laboratory testing, mechanical testing, and manufacturing documentation.

Work Plan

The internship work plan must allocate all expected hours to concrete phases and must match the ECTS/CFU value declared in the quantitative data block.

Phase	Activities	Hours
1	Read materials, technical overview, ESG, and compliance documents; define materials questions and constraints.	35
2	Compare envelope candidates: aluminized Mylar, transparent high-haze film, coatings, helium retention, optical transmission, and welding behavior.	70
3	Design prototype manufacturing process: gore geometry, sealing method, frame integration, access points, repair, and QA checks.	75
4	Build supplier/material register with cost, lead time, test needs, and risk scoring.	45
5	Prepare test protocol for permeability, seam strength, optical haze/transmission, and heat exposure.	55
6	Deliver final materials/manufacturing dossier and presentation.	20

Deliverables and Evaluation

Materials comparison matrix; supplier register; prototype process sheet; sealing and repair protocol; test plan; cost/quality memo; final report.

Operational Boundaries

No material may be represented as flight-safe, fire-safe, certified, or patent-cleared without professional review and documented testing. Prototype work requires supervised workshop approval.

Future Collaboration Path

A successful Luna internship may lead to later thesis supervision, prototype collaboration, paid professional collaboration, startup work, or funding-search support through Commenda, where legally and academically compatible.

PDF Attachment Register

Ref.	Code	PDF attachment
A	PF-LU-001	Luna environmental and ESG impact report PDF.
B	LE-LU-001	ENAC inquiry / regulatory communication PDF.
C	ConI	Current Internship Agreement, mandatory candidate reading.
D	Attachment G	Confidentiality and digital-access framework.

For ColivingLiguria S.r.l.

Unsigned project proposal prepared by the host entity; this PDF does not evidence a CAdES/P7M signature

ColivingLiguria S.r.l.

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