ColivingLiguria

Benefit Company pathway in progress; innovative-startup

SIAVS registration requested

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Internship Project Proposal

Luna Systems Engineering and Integration Internship — Inte-005

Issuer: ColivingLiguria S.r.l.

Inte-005

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-005**
Project code	**LU-ENG / Inte-005**
Project title	Luna System Architecture and Integration: Requirements, Interfaces, Configuration, and Design Reviews
Track / area	Curricular internship / deep-tech engineering and applied research / Systems engineering, requirements engineering, interface control, configuration management, integration planning, and technical design reviews
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	Systems, aerospace, mechanical, mechatronics, electronic, energy, software, industrial, or safety engineering; applied physics; or equivalent
Academic level	Minimum: final-year Bachelor student with strong STEM base; 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

Create and maintain the system-level architecture that allows Luna's specialist work packages to converge: establish controlled requirements, subsystem boundaries, interface definitions, configuration baselines, cross-domain trade-offs, integration gates, and design-review evidence without replacing the specialist ownership of mechanics, electronics, software, physics, materials, or test engineering.

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 be technically broad, rigorous, and comfortable coordinating open-ended engineering without taking unsupported ownership of specialist analyses. Minimum requirements include STEM enrollment, requirements reasoning, quantitative trade-off analysis, structured documentation, version control, and the ability to identify assumptions and interface risks. Preferred skills include systems engineering, requirements tools, interface-control documents, configuration management, verification planning, FMEA, model-based systems engineering, technical reviews, and multidisciplinary project work.

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 the controlled Luna technical, ESG, compliance, and ENAC sources; define the system boundary, stakeholders, evidence hierarchy, and integration scope.	40
2	Build the system baseline: requirement hierarchy, subsystem breakdown, assumptions register, interface map, and requirement-allocation matrix.	55
3	Run cross-domain trade studies and decision records; identify conflicts, margins, dependencies, and ownership across the specialist work packages.	60
4	Produce interface-control documents, configuration baselines, change-control workflow, integration sequence, and traceability structure.	60
5	Plan and facilitate system-requirements, preliminary-design, integration-readiness, and verification-readiness reviews with recorded actions and closure evidence.	55
6	Deliver the system architecture dossier, integration roadmap, final report, presentation, and repository handover.	30

Deliverables and Evaluation

Controlled system-requirements baseline; requirement-allocation and traceability matrices; system architecture and subsystem-boundary diagrams; interface-control register; assumptions and decision logs; trade-study records; configuration and change-control plan; integration and review roadmap; review minutes and action register; final report; and presentation.

Operational Boundaries

This track owns system architecture and integration evidence, not the specialist design packages. Mechanical and aerostatic design remains within Inte-006; electronics and control within Inte-007; software and physical modeling within Inte-008; optics and thermal analysis within Inte-009; materials and manufacturing within Inte-010; and verification execution and metrology within Inte-013. The intern may coordinate interfaces and review evidence but may not approve specialist calculations, certify the product, authorize flight or public deployment, disclose protected information, or conduct unsafe prototype testing. Any physical activity requires prior approval and supervision.

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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