

## Benefits

ALIEN builds foundational engineering knowledge.

ALIEN builds soft skills including critical, analytical, and lateral thinking, collaboration capacity, communication skills, and entrepreneurial mindsets.

ALIEN builds knowledge and skills demanded by industry.

ALIEN facilitates the transition of students from the academic environment to the world of work.

ALIEN promotes the transferability of new knowledge to real world situations.



“More than 1.500 students  
more than 100 courses  
at 17 universities  
in 10 countries  
in Europe and Asia”



<http://projectalien.eu>  
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Active Learning in Engineering Education



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Project ALIEN promotes active and problem-based learning as a strategic educational approach in engineering higher education through

ALIEN improves the quality of engineering higher education by providing more motivating, stimulating, and effective learning experiences.

ALIEN builds skills for growth. It empowers students to become problem solvers and active citizens for addressing today's industry and societal challenges.



“Modernizing engineering higher education in Europe and Asia for the benefit of students, instructors, organizations, and society”

## ALIEN delivers

**A strategic plan** for the adoption of active and problem-based learning.

**Infrastructure** as 12 newly established problem-based learning labs at universities Cambodia, Malaysia, Vietnam, Nepal, and Pakistan.

**Digital problem-based learning services and content** that promote the publication, use, and re-use of problem-based learning activities.

**Instructor training** events that motivate and empower teachers to adopt active and problem-based learning.

**Community building** events for the exchange of good practices in active and problem-based learning.

## Problem-based learning

Active and problem-based learning is a learner-centered educational approach in which students build knowledge and competences by solving non-trivial, open ended problems usually inspired by real life.



## ALIEN partners

