EC's New Products Introduction Journal *Issue 7/2026*

The New Products Journal

Published by the Engineering Association *Yerevan, October 28, 2026*

The Purpose of the Journal is to introduce the new products, solutions, and technologies that have been designed and developed in the Engineering City.

Table of Contents

. Space Engineering from the Classroom to the Orbit, Space 1.0 – by CIPR 1

. Space Engineering from the Classroom to the Orbit, Space 1.0 – *by CIPR*

by Hrachoohi Boghosian

A STEM program through which students learn about the structure, assembly, programming, and data acquisition of small artificial satellites.



20	34	7-12	1
Educational Institution	Lessons	Grade Levels	Academic Year

What Do Students Learn?

- The fundamentals of space, orbits, and satellite operations.
- The application of physics, mathematics, ICT, and programming in a real-world project.
- Teamwork, project-based learning, and research-oriented thinking.
- Data collection, observation, and analysis.

What Does the Package Include?

- An educational CanSat satellite with power supply, control, communication, and sensor modules.
- A ground station for receiving and monitoring data.
- An educational parachute for safe landing.
- Educational materials and teacher training.

Program Structure

24 theoretical lessons with interactive materials and simulations
10 practical lessons involving equipment assembly and testing

Designed for Hands-On Learning

Students not only explore space technologies but also work with real equipment, going through the key stages of design, testing, data analysis, and operation.

Education That Brings Students Closer to Space Technologies

"Space 1.0" is an educational package developed and produced by CIPR Aerospace, aimed at fostering interest in space systems and engineering in Armenia, while developing practical skills in these fields.

The program has received positive expert evaluations from the RA Ministry of Education, Science, Culture and Sports (MESCS) and the "KZNAK" Foundation, confirming its compliance with the criteria for extracurricular/club programs.



The program is implemented with the support of Ucom, making modern space education more accessible to students in schools across Yerevan and Armenia's regions.

CIPR AEROSPACE

Ucom®



























Pic. Showcasing the Product in the EC Cafeteria

© 2026 The Authors of the articles

All materials contained in *The New Products Journal* may be used with reference to the Authors.

For feedback on the *Journal*, its content, and its articles please send to info@engineeringcity.am.

To submit articles, please send to info@engineeringcity.am. Articles can be in any language.
