Issue 15/2026

The Engineering City Journal

Published by the Engineering Association *Yerevan, August ..., 2026*

The purpose of the Journal is to disseminate knowledge, experience, and best practice in engineering & manufacturing.
The articles are written by practicing professionals in the Engineering City (EC) in Yerevan. They cover issues relevant to their projects, operations, and organizations.
The articles address the challenges of the time. As such, the Journal is also a chronicle of the evolution of the EC, its companies, and its individuals.
It is the aim of the Journal to advance the engineering & manufacturing practice, to enrich the engineering & manufacturing community, and to contribute to the worldwide discourse in engineering & manufacturing.

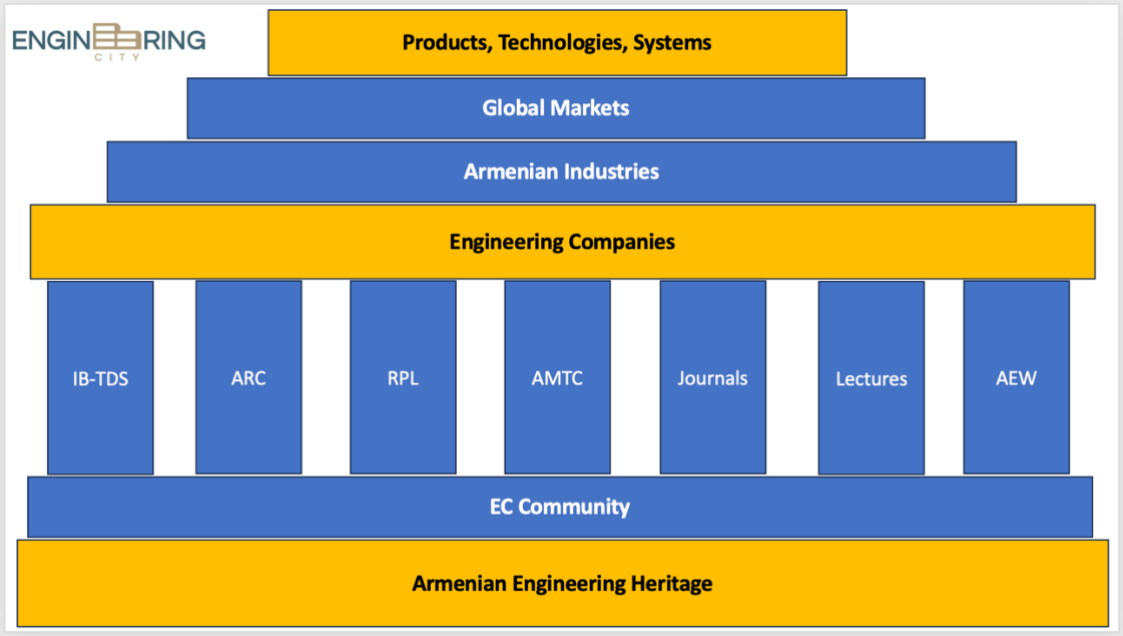
Table of Contents

ENGINEERING CITY CORNER 1
. The Engineering City in One Slide 1
. Writing the Story of Modern Armenian Engineering 3
ARMENOLOGY CORNER 4
. Philosopher Emanual Kant on Armenians 4

Engineering City Corner

. The Engineering City in One Slide

by Rama, Engineering Association



Pic. The Engineering City in One Slide

The acronyms stand for:

1. IB-TDS: Industry-Based Talent Development System
2. ARC: Advanced Research Center
3. RPL: Rapid Prototyping Lab
4. AMTC: Advanced Manufacturing Technology Center (formerly the EC Factory)
5. Journals: EC Journal, IB-TDS Journal, ARC Journal, Manufacturing Journal, Products Journal

6. Lectures: The Friday Afternoon Lecture Series
7. AEW: Armenia Engineering Week

On the top of this temple are the products, technologies, and systems. This is because, the final outcome of the Engineering City are the products, technologies, and systems that the engineering company create. Everything on the slide exists to enable these creations. In other words, the purpose of everything else on the slide is to create the conditions for this to happen, and to happen competitively. This is why it is highlighted with a different color.

The market horizontal indicates that all EC companies work and compete in the marketplace. The main source of financing for most companies is the marketplace. The marketplace is a tough and unforgiving place. More so that the majority of the products are exported to the internatioal markets. Surviving there indicates the quality of our products and companies.

The industry horizontal indicates that the EC companies create, develop, and strengthen the Armenian industrial sector of the Armenian economy. They actively work in developing advanced industries most of which did not exist in modern Armenia – industries like automotive, semiconductor, aerospace, RF and communication, electronics, smart manufacturing, biomedical, and education. This by itself is a huge contribution to the development of Armenia.

The company horizontal belongs to the EC companies. The companies are the core of the Engineering City. This is why it has been highlighted in a different color. They produce the products, they form the industries, and they develop the people. The EC is the initiative of these companies and it is these companies that make the Engineering City. They are the pumping heart of the Engineering City and the gauge of its health.

The pillars on which the companies solidly rest represent the support that the Engineering City provides to the engineering companies. This support strengthens them in their competitive positions in the marketplace. The number of pillars have been increasing with time roughly matching the three major transformations of EC's purpose:

1. Engineering Sector Formation and Engineering Popularization
2. Acceleration of Engineering Development
3. Engineering Leadership

Each pillar has its own history of becoming. If we go deeper into the pillars by one level, we can see the following evolutions of these pillars:

- We engaged in education from early on. Yet our efforts in education were sporadic and chaotic. Later, it got formalized in a methodical way in the "Talend Development System" (TDS), which then evolved into the "Industry-Based Talent Development System" (IB-TDS).

- The EC Factory evolved from firstly being a place of learning the production processes into becoming a research ground for new manufacturing processes and technologies. It became the Advanced Manufacturing Technology Center (AMTC).

- Product research inside the companies evolved into technology research in the Advanced Research Center (ARC).

- The general prototyping labs evolved into the Rapid Prototyping Lab (RPL) that will be operational soon.

- The Armenia Engineering Week (AEW) evolved from being a promoter of engineering and a showcase of Armenian engineering capabilities to a leadership platform where visionary keynote speakers share their visions.

The EC Community is what connects everything together. The more the interactions between the people with each other and between the companies with each other, the stronger the community. A strong community is a competitive advantage that is difficult to reproduce elsewhere. If the pillars could be somehow re-created in one way or the other, then the community is something very difficult to recreate. It could be said that the one competitive advantage that the EC has is its community.

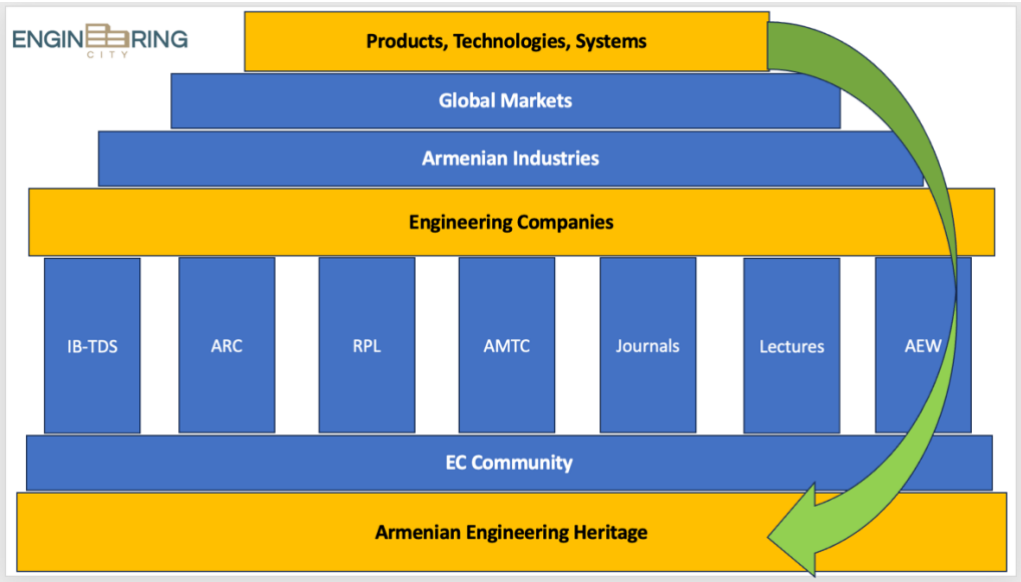
And finally the botom horizontal is given to the Armenian Engineering Heritage. Eventually, all the products, solutions, technologies will become part of the History of Armenian Engineering and enrich the Armenian Engineering Heritage. This gives a long-term purpose of everything we do. This is also why it has been highlighted in a different color.

To summarize, we can see the following movements on this slide:

- The Pillars support the Companies,
- The Companies develop the Products,
- The Companies form the Armenian Industries,
- The Companies develop the People,
- The People develop the Community,
- The Products enrich the Heritage.

. Writing the Story of Modern Armenian Engineering

by Rama, Engineering Association

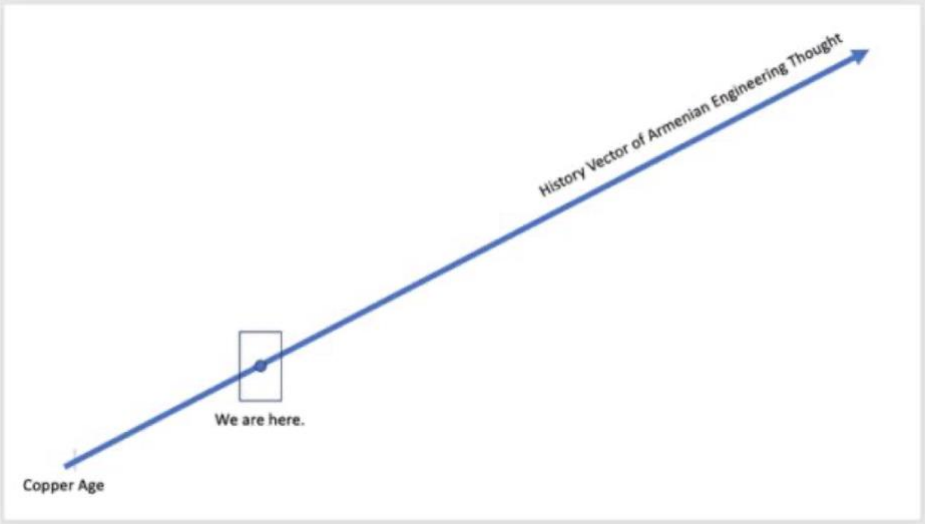


Pic. Writing the story of Armenian Engineering

The only long-term constant in this picture is the Armenian Engineering Heritage. The products, technologies, solutions will age and die out at some point to give rise for new products. The industries may change, the companies may transform, the people may pass on. What remains is the Heritage. By our daily work, we are in fact enriching the Armenian Engineering Heritage and writing the history of Armenian Engineering. And what is history? History is the story. The story assures continuation, the heritage assures accumulation. If there is no attempt to write the story and enriching the heritage, then all what we do are shots in the dark – shots that were heard, at some point in time and then disapeared forever.

Hence, it could be said that the purpose is the story, not the products, not the industries, but the story of Armenian Engineering. Hence, the green arrow on the slide taking us from the products that we are creating straight into our story.

Having a history, having a heritage and consiously writing it and enriching it gives a deeper meaning to everything that we do. And a deep meaning is an enormous strength.



Pic. The enrichment of the Armenian Engineering Heritage

This is also why we must create yet another museum at some point – a museum of modern engineering. If the current museum is a museum that froze in the year of 1991, then the museum of modern engineering must contain the story of the current times. And we have already lots to show.

Armenology Corner

. Philosopher Emanual Kant on Armenians

by Rama, Engineering Association



Video Here. (11 minutes long)

From the description to the video clip:

Иммануил Кант писал об армянах в конце XVIII века — в «Антропологии с прагматической точки зрения».

Кант говорит об армянах как о народе, живущем среди разных стран и народов, занимающемся торговлей и выстраивающем связи на огромном пространстве.

К концу XVIII века уже несколько столетий не существовало единого независимого армянского государства. И всё же для Канта армяне существуют как отдельный народ — узнаваемый, заметный далеко за пределами своей территории и обладающий собственными устойчивыми чертами.

Что позволило сохранить себя без государства? Как можно жить среди разных народов, быть связанными с ними — и не раствориться? И почему Кант выделил армян среди народов своего времени?

В этом фильме разбирается что Кант писал об армянах, как в «Антропологии» он понимал «характер народа» — и какие выводы из этого можно сделать о гораздо более долгой истории сохранения армянского народа.

© 2026 The Authors of the articles

All materials contained in *The Engineering City 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.