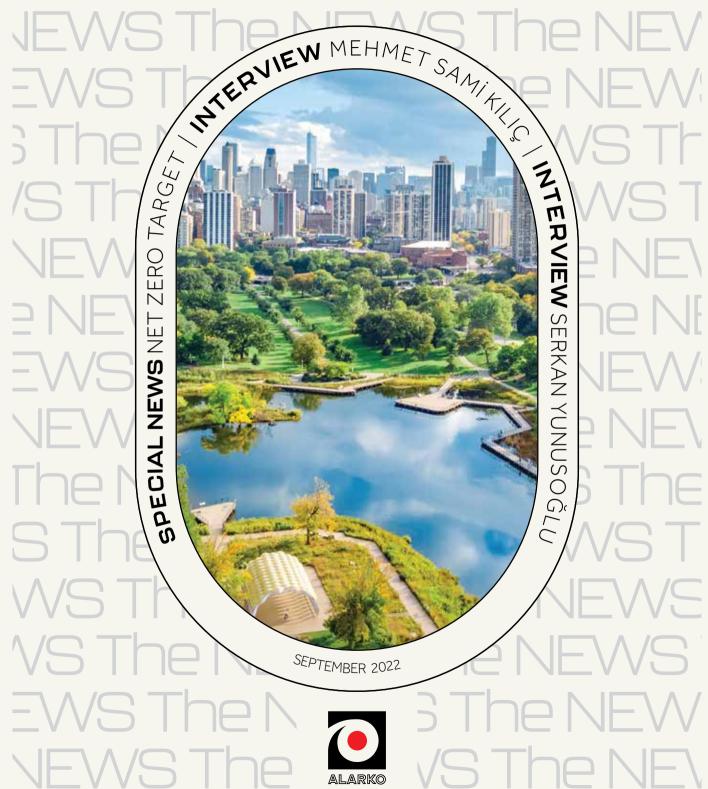
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As Alarko Holding, we are also on social media, which is an important part of communication during the fast-moving digitalization process. You can keep up-to-date with the latest announcements on our social media platforms.



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https://www.linkedin.com/company/alarko

We're back with a new issue of The News magazine, our corporate publication that serves as a window into Alarko's world.

Distinguished readers,

In this issue of our magazine, which includes corporate news as well as discussions on current topics and interviews, we wanted to address sustainability, which is becoming an increasingly important item on the agenda of all humanity with the depletion of the world's resources and the climate crisis, in terms of urbanization. We looked into green buildings, which have become prominent in the pursuit of the net zero target, and spoke with Mehmet Sami Kılıç, Chairman of the Board of Directors of ÇEDBİK (Turkish Green Buildings Council), about their future role and significance. You can also read our interesting interview with Serkan Yunusoğlu, Deputy General Manager of Alarko Contracting Group, about the future of the construction industry and Alarko's work toward the net zero target.

With this new issue, we are presenting our readers all this content and much more.

We wish you a pleasant reading...



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OUR RESPONSIBILITY

ALARKO-BAU MBA PROGRAM READY TO START!

A new term is starting in the first corporate MBA program in Turkey developed jointly by Alarko and Bahçeşehir University. On 29 July 2022, the application period for the free of charge MBA program ended, and on 29 August, the HR and Organizational Method Department announced the candidates whose applications were accepted.





HILLSIDE BEACH CLUB IS THE BEST LEISURE HOTEL OF THE WORLD

Hillside Beach Club is named consequently for two years the "Best Leisure Hotel of the World" in the Haute Grandeur awards that are a symbol of excellence in the hospitality sector and where acclaimed brands such as The Four Seasons, Ritz, Rosewood, Kempinski and Mandarin Oriental participate in various categories. Hillside Beach Club, committed to be a "Feel Good" location for its guests in everything it does, is also named the best in Europe in the Best Resort Service category.



SUCCESSFUL ALARKO DEALERS ARE AWARDED PLAQUETTES

Çağdaş Isı, Öztürk Yapı, and Özkan Ticaret, the top three dealers of Alarko in 2021 were awarded plaquettes, whereas the first ten dealers and the firm Fortes were awarded certificates in a ceremony attended by the Alarko Dealership Sales Director Emin Yavuz, Sales Manager Onur Karacaer, Assistant Manager Mustafa Gürsoy and area supervisors.

EVRÍM KURAN HOSTS LEYLA ALATON IN HER PODCAST

Leyla Alaton, Board Member of Alarko Holding was a guest speaker in July in the Podcast "3+3 with Evrim Kuran" broadcasted by the researcher and author Evrim Kuran, renowned for her research on generations in Turkey. Alaton talked about the habits and consumption culture of the new generation and the place of women in the business world. She also shared her opinions on "silver economy" and "imposter phenomenon" which have been widely discussed worldwide recently.

MEDAŞ JOINS KONYA HALF-MARATHON

MEDAŞ joined the Konya Half-Marathon to make the future better for children with autism and do some good. Many MEDAŞ employees run in the Konya Half-Marathon, organized by the Konya Metropolitan Municipality with the motto "No Barriers for Running". The income from the half-marathon will be transferred to Selçuklu Education Foundation for Individuals with Autism (SOBE).



SIGN LANGUAGE TRAINING FROM MEPAS

MEPAŞ, who has always been the first to conduct many projects aiming to improve the quality of life of people with disabilities and to understand them better, and now provided sign language training to its employees at the Customer Services Centers to facilitate the customer services processes for individuals with hearing impairment and to eliminate communication problems. 19 employees working at MEPAŞ Customer Services Center received certificates after a 60-hour sign language training program.



BAHÇEŞEHİR COLLEGE STUDENTS VISIT ALARKO CARRIER PLANT

Bahçeşehir College students visited Alarko Carrier plant as part of their professional observation tour organized in cooperation with the Gebze Organized Industrial Zone. The students had the opportunity to see the production processes when visiting the plant. Presentations were made on the organization and the products of the company, and the students found an opportunity to ask questions.



HILLSIDE STEPS INTO METAVERSE WITH HILLSIDE BEYOND

The Hillside world that makes you feel good, is continuing to expand, by going beyond the ordinary digital experiences. Hillside Beyond designed as a digital meeting point where Hillside can interact more with its fans, is bringing art, technology, entertainment, sports and much more with augmented virtual reality experience. By stepping into Metaverse with Beyond, Hillside is aiming to offer visitors pleasant times with different experiences and an opportunity to follow the new trends before others in the world of virtual reality.





ALARKO HOLDING PARTICIPATES IN AYVALIK BUSINESS FORUM 2022

This year's Ayvalik Business Forum was held between 15 -17 September. Mr. İzzet Garih, Alarko Holding's Chairman of the Board of Directors, Mr. Ümit Nuri Yıldız, the Group's CEO, and Mr. Alpaslan Serpen, Chief Strategy Officer of Alarko Holding participated in the organization that brought together Turkey's leading business people to discuss the future and global developments and to share their experiences. Mr. Ümit Nuri Yıldız delivered a speech at the panel discussion on "Creating a Resilient, Growing Company" at the Forum, which attracted great interest from the business community. In his speech, Mr. Yıldız explained how new business models changed the industries, and touched upon Alarko's plans for the future: "Under current conditions, the biggest problem both globally and in Turkey, is

the high inflation rate, and the misleading growth rates accompanying this high rate. At Alarko, we will operate in industries with robust cash flow to overcome this uncertainty."





MEDAŞ MEETS WITH YOUTH

MEDAŞ General Manager Erol Uçmazbaş met with the engineering students of the "Talentern" program on the 19th May Commemoration of Atatürk, Youth, and Sports Day and shared his experiences. Erol Uçmazbaş celebrated the special day of the students and said: "We attach great important to young people, because unless you involve young people in what you do, you cannot arrive where you want to qo."

ALL-MY WAY COMPLETES ITS SECOND TERM

The second term of the ALL- MY WAY Internship Program was completed. The students who did internships gained experience in many fields in this program. The interns did not only receive training and got a hold of the technical side of the matters, they also gained insight for their future careers by learning about CV Preparation Techniques, making an Interview Simulation, and completing a Personality Inventory Feedback. In the last week of the program, the interns presented their projects assigned by their supervisors. On the last day, the "Agility in Communication" training was held, and the second term of the internship program, which had 1,182.5 man/hours of training, ended with the closing speech of Alarko Holding Board Member Leyla Alaton and Digital Transformation and Innovation Director Tal Garih.



MERAM ENERGY GROUP COORDINATION MEETING

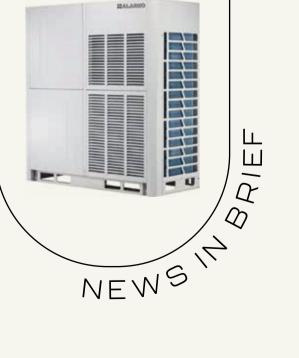
Meram Energy Group held its General Coordination Meeting with its employees in Antalya. Almost three hundred employees attended the meeting which lasted three days. In addition to presentations, various activities were carried out to boost the motivation of the employees. In the first session of the coordination meeting, 2021 and 2022Q1 activities were reviewed, and new projects, investments, and processes that need improvements were discussed. In the second session, general assessments were made and the educator and leader coach Vedat Erol gave a seminar on "Project Management and Agile Approach".





SEZAİ KARAKOÇ LIFE CENTER SELECTS ALARKO

Nevşehir Hacı Bektaş Veli University Sezai Karakoç Life Center selected Alarko for the indoor air conditioning of the center. ALARKO VRF will be used in the project, where 46 indoor and 7 outdoor units will be installed. The selected indoor units have a wide capacity range, and also Alarko Mini VRF, 2 and 3 Pipe VRF systems will be used to offer the best solution for all indoor spaces.



NIV GARIH ATTENDS YOUNG OWNERS FORUM

Niv Garih, Board Member of Alarko Holding and Alarko Carrier Chairman of the Board was a speaker at the Young Owners Forum held in Bodrum by Fast Company Turkey on 2-3 September. Niv Garih was among the speakers of the Leadership in Family and Talent Management Session of the Forum said: "The talent deficit peaked in the recent years. In my opinion creating talents is much more valuable than trying to find them. At Alarko, we are trying to create and maintain talents."



MEDAŞ AT THE CAMPUS

MEDAŞ met with the students of Industrial Engineering Department at Konya Technical University. MEDAŞ HR Department met with the students together with İsmail Karaoğlan, the Assistant Dean of the Engineering and Natural Sciences Faculty, and shared information on internship and employment opportunities. This meeting, participated by a high number of students, demonstrated once more that MEDAŞ is with the young people on their journey to make their careers.





SPECIAL EVENTS CONTINUE AT THE HILLSIDE BEACH CLUB

In collaboration with IKSV, the Hillside Beach Club brought jazz tunes to its quests with the Summer & Jazz event on 21-24 July. The guests had a wonderful week with live jazz performances, film screenings, talks with renowned figures, and workshops. The program started on 21 July, Thursday at Blue Bar with Evrencan Gündüz Quintet. and continued with live music performance by İdil Meşe at sunset on 22 July, Friday at Blue Bar. On 23 July, Saturday, İKSV Jazz Festival Director Harun İzer had a DJ performance, and the program ended on 24 July with film screening on the beach after a pleasant Movie Quiz Talk with İKSV Film Festival Director Kerem Ayan. On 5 August, the guests had unforgettable moments at the sunset with "Concert on a Boat" which has been a summer classic of the Hillside Beach Club for years.

SUBMERSIBLE PUMPS AT THE AKSARAY AGRICULTURE FAIR

Alarko Carrier Submersible Pumps were exhibited by the Aksaray authorized dealer and service Çakmaklar Pompa at the 6th International Aksaray Agriculture Fair held between 25-28 May. In total, 250 companies participated in the fair, which had a high number of visitors coming from different parts of Turkey. Alarko Submersible Pumps attracted great attention in the fair, and the visitors were provided with information on product applications and selections.



FOUR SEMINARS BY VENTE

Alarko Carrier held four seminars on service equipment, measurements devices and new cooling technologies in collaboration with Vente. The first seminar held jointly by Alarko Carrier Totaline and Vente Dış Ticaret was held on 22 March in Antalya, the second on 14 April, in İzmir, and the third on 12 May again in Antalya, and the last one on 7 June in İstanbul. Information on service equipment, measurements devices and new cooling technologies was provided during the seminars.









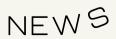
TRADITIONAL SOLUTION PARTNERS MEETINGS OF MEDAS

MEDAS, holds meetings every year with electrical engineers and electrical scientists in the provinces it operates. Traditionally, MEDAŞ exchanges ideas with the attendees of these meetings. MEDAŞ representatives make presentations on the energy demand, project approval and plant acceptance, and share what has been changed in the processes and what is being done to improve the service quality and connections. Following these presentations, engineers and scientists give their input and recommendations on the applications.



MEPAŞ LAUNCHES THE WORLD OF ADVANTAGES

In addition to providing electricity supply services, MEPAŞ is now organizing campaigns consisting of brands and services that its customers and employees may need in their lives. The campaign called "World of Advantages" has been announced on the corporate website of MEPAŞ. "MEPAŞ, the World of Advantages" is a loyalty program and includes almost sixty brands from food to fuel, from entertainment to health care, and from beauty to education.





GREEN BUILDINGS AND SMART CITIES TO REACH THE NET ZERO TARGET

Cities are very critical for achieving the net zero target that Turkey has set for 2053. Two things are needed for cities to become net zero: Green buildings and smart cities.



he climate crisis is pushing our world to a crossroads, which becomes even more difficult to get through by the day. Even though we are running out of time, there are still things we can do. One of the most important things that we can do is to zero carbon emissions, and reach net zero. Many of the countries have chosen the year 2050 for the net zero target. Turkey has also announced recently that it will achieve net zero in 2053.

Net zero means that an institution, city or country minimizes the greenhouse gases it emits into the atmosphere, and that anything emitted is re-absorbed. So the emitted gases will be neutral. While this may sound like an easy goal, it's actually not that easy. Since we have caused uncontrollable carbon emissions due to many factors such as modern

production methods, transportation, and our consumption styles, and we need to radically change our production, consumption and lifestyles in order to neutralize this emission.

As seen, there are many steps that need to be taken both individually and as an organization in the fight against carbon emissions, and it is impossible to fit all these steps in a single article. However, we will focus on two approaches that are important for neutralizing the SPECIAL NEWS, carbon emissions of cities: Green

GREEN BUILDINGS

Although they serve the same purpose, green buildings and smart cities are different from each other. Let's look into green buildings first: Buildings constructed for different purposes such as housing, production, and management harm our world on multiple fronts, from their energy consumption to carbon emissions. A building is green if it uses natural resources efficiently, is sustainable, and in harmony with nature, in its life cycle from planning, design, construction, operation, maintenance, renovation to demolition

As seen a life cycle of a building is composed of independent stages. Therefore, it is necessary to adopt different approaches for each of these stages. Still, each step affects the entire process from its beginning to the end. For instance, if the building is positioned correctly during the design stage, much less energy will be consumed for the air conditioning, which will in turn effect its entire life cycle. Therefore, from the architectures to engineers, from contractors to operators, everyone has an important duty to fulfill.

Now let's look into the main characteristics of green buildings. A green building

- is produced with recyclable materials to the extent possible
- is constructed in harmony with the nature
- maximizes the use of sun thanks to its design



- minimizes the use of energy with the proper insulation applications
- uses renewable energies like solar power to meet its energy needs
- has trees and plants in available spaces to prevent the formation of heat islands
- stores stormwater to use for irrigation of green areas and for cleaning of lavatories etc.
- · reuses waste water
- has the necessary system to ensure that domestic waste is minimized, separated and sent to recycling
- is used for a long time thanks to its durability.

SMART CITIES

Another concept that has recently come to the forefront in the fight against the climate crisis is the smart cities. This concept has emerged with the advances in technology, and it briefly means that the data in the city is collected in a single source, and the city administration takes instant or long-term actions using this data. It covers every aspect of the city life, from water use to traffic, from efficient operation of public agencies to schools.

According to the Ministry of Environment, Urbanization and Climate Change, smart cities have four main objectives;

Many of the countries have chosen the year 2050 for the net zero target. Turkey has also announced recently that that it will achieve net zero in 2053.

- Converting the existing and future expectations & problems of the city into a triggering power in all the spaces and systems of the city,
- · Handling the physical, social and digital planning altogether,
- · Predicting, identifying, and addressing challenges in a systematic, agile and sustainable manner and
- Revealing the potential for an integrated service delivery and for generating innovations by achieving interaction between the organizational structures in the city.

MAIN GOAL

The common goal of these two concepts is to fight against the climate change. Because living spaces that are planned correctly, consume energy efficiently and have very good waste management, will be the biggest contributors to the net zero target. Of course, this is not enough. If we want to keep our world livable, we must take powerful actions as individuals, and as organizations.

IT IS NOT ENOUGH FOR THE CITY ADMINISTRATIONS TO WORK ALONE TO REACH THE TARGET

We discussed the impact of sustainable cities on the climate crisis and our lives, with WRI Turkey Sustainable Cities Director Dr. Günes Cansız.

How can we position the cities in the climate crisis?

The climate crisis forces cities to transform. Therefore. developing urban policies and action plans and implementing these actions are very important. Creating a circular economy and green employment; reinforcing old infrastructure and buildings; making new green areas and improving the existing ones; improving resource efficiency and increasing renewable energy generation; switching to low emission vehicles in transport are among the actions that can be implemented. However, it is not enough for the city administrations to work alone to reach the target. A wider ecosystem that includes the public sector, the private sector, technology firms, financial firms, academia and citizens is needed for adaptation and resilience of the cities.

Finally, could you please explain us what a livable city means?

A livable city provides fair access to what we need to live, including accommodation, mobility, food, SPECIAL NEWS services, education, and safety. A livable city gives an opportunity to all of its inhabitants to participate in the civil, economic, and cultural life of the city. It balances social, economic. and environmental needs. Therefore, if we want to create more resilient cities for the fight against the climate crisis and for adaptation, we must make livable and sustainable cities as our priority.





We discussed the position of the construction industry in the climate crisis and the potential solutions with Serkan Yunusoğlu, Deputy General Manager of Alarko Contracting Group: "We are well experienced in adopting the right practices that impact the society, environment, and the quality of life, taking into account the sustainability, climate crisis, and global warming".

How do you see the climate crisis from the professional perspective of someone from the construction industry?

Alarko Contracting Group has been constructing airports, rail systems, large infrastructure works, industrial plants, business centers, hotels and hospitals in the country and abroad for almost seventy years now. Even during this period of time, which is quite long for companies, but incredibly short for the world history of 4.5 billion years, the world has undergone major changes that are larger and crises that are deeper than before. Of course, the world has always witnessed events, changes, and crises, but their impact would be felt much later, after they have occurred. The momentum of change and crisis in the world is accelerating by the day. In the past, the effects of the crises would be felt hundreds of years later, but today, the effects of changes and crises are felt concurrently. In the last century, combined with urbanization and industrialization, the logarithmic growth in the world population led to a gradually increasing shift from natural to artificial, which in turn triggered a crisis that the society felt very quickly in a very short period of time. As a result of the increase in fossil fuel consumption, the industrial activities that are harmful for the environment, and the environmental waste; the amount and intensity of GHGs in the atmosphere rose uncontrollably, which led to global

warming, and ultimately the climate crisis. The entire world is now feeling the effects of this crisis. We have created the climate crisis with an unprecedented speed, and now, for the sustainability of the world and the humanity, we are trying to solve the climate crisis, even though it will take longer to find a solution than creating this crisis in the first place. The whole world is now working on how to reduce GHGs and mitigate the global climate crisis. I believe that the construction industry played a significant role in the occurrence of the climate crisis, but it also has a significant role to play in its solution.

Unfortunately, anything we do in life may trigger the climate crisis. Therefore, transformation is planned in every part of our life with the Net Zero target. What should be the priorities for the construction industry on the path to Net Zero target?

Every global change and crisis lead the society to seek solutions to survive, produce new technologies, and take measures to protect the resources that are needed for the survival of the current and future generations. Actually, we should not associate everything only with the climate crisis. What we are going through is not only the climate crisis, it is the world's struggle for survival. The duty of the construction industry in this struggle should be to develop technical specifications in line with the Net Zero target, starting from the city planning Jupply

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Jupply stage; to ensure that sustainable cities are created, and

tender documentation for provision of green energy or treatment systems, or measures to prevent or mitigate the release of GHGs, the contractors cannot provide them even if they want to. Thus, the first thing to be done in the construction industry to achieve the Net Zero target is for the contracting entities to set requirements in the tender documentation that will help to achieve this target. Should such requirements be included in the tender documentation, all the companies will naturally transform how they work in order to achieve the Net Zero target.



The climate crisis happened because the measures required for the sustainability of habitats in the world were not foreseen or implemented on time.



Alarko Contracting Group completed numerous large-scale contracts. Would you please tell us what you have done related to the climate crisis under such contracts?

Actually, the climate crisis happened because the measures required for the sustainability of habitats in the world were not foreseen or implemented on time. For instance, if you are monitoring the water use, drainage or waste water treatment, and setting targets to reduce their impact on the nature, this means that you are contributing to the nature to heal itself, and therefore for the sustainability of the world and the habitats. Since the climate crisis is due to the loss of sustainability, global warming factors that led to this crisis should be controlled. The projects that Alarko Contracting Group implement are generally supported and funded by the international credit institutions and these credit institutions require

adoption of correct practices that impact the society, environment, and quality of life, including sustainability. climate crisis, and global warming, therefore we are quite experienced in these matters. Accordingly, we are building airports, rail systems, large infrastructure facilities, industrial plants and performing similar projects, and developing and implementing construction methods and designs, we always plan everything to protect the nature and natural resources. For instance, we are not using construction equipments over a certain age or with obsolete technology, although it is more expensive, we prefer to use equipments that have the new technology. We have treatment and recycling in worker accommodation areas. We attach importance to the disposal of end-of-life waste with the right technical methods.

As we have mentioned, one of our main themes is green buildings. What should be our priorities and goals to achieve the Net Zero target?

I already mentioned that it is necessary to maintain what we have today without harming the living conditions for the future. This should be the approach to the climate crisis, global warming, and sustainability. Using renewable energies is one of the important factors that contribute to sustainability and mitigation of the effects of the climate crisis, which has

occurred as a result of problems in the field of energy. With the advancement of the technology, every application running with renewable energy sources is preferred for sustainable cities. If sustainable buildings or green buildings can be planned, designed, and operated benefiting from the technological advances, and use environment-friendly technology using renewable energy sources efficiently, this will be a substantial contribution to the achievement of the Net Zero taraet.

Producing new buildings as green buildings may be relatively easy. However, we should also make the existing building stock compliant with the Net Zero target. What are the duties of entities and individuals in order to achieve this target?

First of all. I would like to note that the communication and coordination among authorities and administrations are very important in city planning. As known, İstanbul has the highest level of building stock in Turkey. It is well known that in addition to the threats posed by the climate crisis or the global warming, İstanbul is also facing an earthquake risk. In order to avoid incurring severe damages in case of a big earthquake as it happened in the past, efforts are now spent to reinforce old buildings against the earthquake or to demolish and rebuild them. Similarly, various urban transformation projects are being

conducted. Actually, these efforts are corresponding to a significant portion of the existing building stock. In order to reach the net zero target, when renovating or reinforcing existing buildings against earthquake or reconstructing buildings as part or urban transformation, the primary duties of the relevant individuals and entities should be to ensure that plans and designs make such buildings green buildings.

Smart cities are one of the latest trends. What would be your expectations as a representative of the construction industry from smart cities in relation to your industry?

Smart cities play an important role in economic and social development. These cities should also protect or minimize the consumption of natural resources or opt for renewable ones. A smart city should be designed to find a solution for transport and traffic problems, which are the main causes of the GHG emissions and therefore the climate crisis. Environmental pollution and solid waste should not be a problem anymore, and the city should be equipped with waste-to-energy facilities.

Finally, generally speaking, the climate crisis has a negative impact on all our lives and the indicators point out that much worse days are expecting us. As a professional executive, what should the companies do to fight against the

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Crisis and how Jutomatically answered when Juthe companies, understand that Live make on the livable environment described to life of the future derations.

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DIGITAL LITERACY

IS IT TRUE OR NOT?

Digital media, which has become a part of our lives with the development of technology, has brought many things from fast news feed to instant interaction with the authors/journalists. Of course, the rapid increase in information and the fact that everyone can be a publisher brought along many problems in terms of what is true and what is not. In this context, digital literacy has become much more important.

Actually, digital literacy is not such an old concept. The concept was first put forward by Paul Gilster about 25 years ago, and today, particularly after the development of social media platforms, it became a very important part of our lives. Digital literacy, which is briefly described as being able to read modern media correctly and create content, can also be defined as accessing the existing information and producing new content with them. There are two stages of digital literacy, both literally and in terms of content. One of them is digital reading, the other is digital writing. In fact, it is impossible to think these two stages independent from each other, but we will focus more about digital reading due to the content of our article.

INFORMATION OVERLOAD

In the traditional media, information was broadcast from certain sources and under the control of certain gatekeepers. The information disseminated through printed media such as newspapers and magazines and audio-video media such as television was presumed to be reliable by the readers/audience to a great extent. However, first the digital newspapers then the spread of social media platforms has increased both the number and contents of the news incredibly. Now everyone has become a publisher as well as a reader. This has actually been extremely good for the free circulation of information. Now the news is spreading without the filter of the doorkeepers, thus we learn about the things that it would be impossible for us to learn in the past. However, there are two major setbacks. First of all, the time we spend to see, read and comprehend information has become very short. In addition, since everyone is a publisher now, it is not possible to know whether it is true or false.

WHAT SHOULD WE DO?

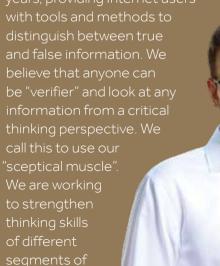
First of all, we should not accept every piece of information we read as true. Even if this information reflects the view we defend we should investigate the issue as much as we can using on-line sources. Especially if we are going to disseminate this information we should investigate. In this way, we prevent the spread of false information. Of course, we can't have time to investigate every piece of information we receive. Therefore, we should identify the people and institutions that we trust, and follow them. In addition, we can use different. sources instead of getting information only from social media. Finally, we must rely on our own knowledge.

TEYIT COMMUNICATIONS OFFICER: CEM SEMERCIOĞLU

"CORRECT INFORMATION DEFINES PREFERENCES"

The sphere of influence of misinformation on the internet is not limited to the internet. False information shared on the internet can directly affect people's lives. Individuals and brands may be threatened, physical violence may occur, and reputations may be damaged. We all witnessed people who were bashed, or brands that have lost their reputation after a single WhatsApp message that became viral. Today, accessing the correct information is very important to make the correct decisions. Having the right information about the product you will buy, and the political party you want to vote for determines your preferences.

Perhaps, one of the most important reasons for Teyit's existence is to help people make decisions based on accurate information. That's why we've been examining thousands of pieces of misinformation on the Internet for the last six years, providing Internet users



Alarko Holding, which recorded a significant progress in the beginning of the year, disclosed its consolidator for 2022-Q2. The Holding increased than 30 times to TL 3.3 Em.

Alarko Holding

business lines, superior executive ability, effective financial policies and digitalization strategy Alarko Holding was operationally and financially successful in a challenging operating environment. Yıldız, emphasized that achieved the result above their expectations in the second quarter as well, and added:

of our growth made me even more satisfied. In the second half of the year, we will closely monitor the inflation rate, commodity prices, and regional and global risks. We continue to be proactive, employing a variety of hedging tools to reduce the impact of these risks on our Group's activities."



ALARKO CARRIER IS IN THE FORTUNE 500 TURKEY 2021

Alarko Carrier, the innovative brand of the air conditioning industry, was included in the "Fortune 500 Turkey 2021" list made by Fortune Turkey, which lists the 500 largest companies in Turkey.



Alarko Carrier climbed up the ranking ladder by 8 steps this year, and ranked the 425th in the Fortune 500 Turkey list. where the most successful companies in Turkey are identified every year. Alarko Carrier Deputy General Manager Hırant Kalatas reminded that they closed 2021 with a 60% increase in turnover and said: "In 2021, we accelerated our research and development activities. We have developed projects to complement our product range. As the leader of the air conditioning industry, we have significantly increased both our production and sales volume in 2021, thanks to an efficient business

plan and our investments in our plant on a product basis. Furthermore, we closely follow the trends production processes in the world. We consider all processes from design to production and after-sales as a whole, and with the PLM (Product Lifecycle Management) software, which is the last link of MRP. ERP and CRM software developed in line with the needs of business processes, we use a system in which the product is followed throughout its life cycle, starting from the design stage. This helps us to ensure the traceability of our products, which we design, throughout their entire life cycle."



BUCHAREST 6TH METRO SECTION PROJECT TO START

On 18 July 2022, the Contracting Entity issued the Work Start Order for the construction works of the Bucharest International Airport Railway Connection, 6th Metro Section Lot 1.1:1 between Mai and Otopeni.

The design for the superstructure and infrastructure is continuing, and upon receiving the Work Start Order, the mobilization of the technical and administrative staff to the Bucharest office started. When the nine-month design period is completed, a construction permit will be obtained to start the construction works. Procedures for the development and approval of the necessary documentation have started for the initiation of the works in the field.

This project will be one of the most important transport networks in Bucharest and will include the construction of

6.3 km

DIGITALIZATION IN ENERGY

Karabiga Ultra Super Critical Power Plant continues to work on the APC

The environment-friendly and state-of-the art Karabiga Ultra Super Critical Power Plant operated by Cenal, is working on the APC (Advanced Process Control), which is the optimization solution of ABB. The study covers fast load cycling and shedding and stable operation optimization at minimum load, taking into account the market conditions, and the capabilities and needs of the plant.

The target of the optimization study is to increase the change rate from 6 Megawatt (MW) per minute to 20

MW per minute in order to reach the electricity generation set value quickly and to react more quickly to changing demands. This rapid response will make great contributions to the plant in the future in relation to changing processes in the electricity generation. As a second optimization under APC, it is aimed to reduce the minimum load operation, which is currently 330 MW, to low levels such as 234 MW. Thanks to this study, the plant can be operated at minimum load without interruption when the energy prices are low. This will impact many cost items.



MEDAŞ R&D PROJECTS ATTRACT ATTENTION

MEDAŞ, which brings the global trends to our country with its R&D studies, is making a name for its projects.

MEDAŞ is closely following the new technologies, and continuing to add a new R&D project to its portfolio. MEDAŞ was awarded in the R&D Training and Dissemination Workshop participated by the EMRA, ELDER, and all electricity distribution companies for its R&D project titled "Local Production and Application of Medium Voltage Aerial Line Insulation Materials" which will eliminate fatal risks arising from the contact of migratory birds with power transmission lines, and increase the continuity of supply by reducing the number of interruptions.

Burak Altun, Purchasing and Contract Manager, expressed his happiness for receiving the award and described the project: "Migratory birds, which travel thousands of kilometers to complete their migration every year, contact the energy transmission lines for accommodation and breeding purposes. With this nature-friendly project, we are aiming to support the protection of natural life and the biodiversity by preventing situations that could pose a fatal risks to different species and some bird species. Furthermore, the insulation materials produced locally with domestic inputs, are the first and only insulation materials that met all the tests in the TEDAS specification."



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MEPAS sells YEK-G (Renewable Energy Resources Guarantee) System) certificates on its website





On 15 June 2021 MEPAS started to sell YEK-G certificates at redemption value, through the YEK-G system launched by EXIST to its customers who want to document that their power is generated with renewable sources. MEPAŞ Energy and Trade Portfolio Management Director Kaan Beyaz stated that everyone from large-scale organizations to individual consumers supports power generation from renewable energy sources, and added that customers who want to have the YEK-G certificate can apply through the MEPAŞ website.

WHAT IS YEK-G?

The YEK-G System has been designed by EXIST to monitor each step of the electricity generation from producers to the consumers, using the block chain technology to expand the use of renewable energy resources, to protect the environment and to make renewable energy accessible to everyone from large industries and organizations with high electricity consumption to individual users.





BUCHAREST BELTWAY CONSTRUCTION **ACTIVITIES CONTINUE**

ALSİM continues to construct the 33 km long highway, which consists of two separate sections (Lot 1 and Lot 2) of the Bucharest Beltway Project. The highway is asphalt coated, has 140 km/sec design speed, 2x2 lanes, and a central median divided by steel barriers. Lot 1 and Lot 2 include the construction of 15 motorway bridges, 14 overpass bridges, 4 motorway junctions, 72 culverts, 2 operation and maintenance areas, 3 temporary parking space, as well as the supply of highway traffic regulation and road information systems (ITS), installation of road lightning, and finally various finishing works.

As of the end of July 2022, 48.33 percent of the Lot 2 and 40.23 percent of the Lot 1 have been completed, and the construction works for small and large engineering structures, reinforced concrete works of viaducts, earthworks (excavationfilling), ground improvement works, and permanent transfer works on the existing infrastructure and superstructure lines are still continuing.

ONE OF THE TOP R&D INVESTORS: ALARKO CARRIER

In the "R&D 250, Top R&D Spending Companies in Turkey" study conducted by Turkishtime for the ninth time this year, Alarko Carrier ranked the 143rd in general, and the 2nd in the air conditioning industry, in terms of the resources it allocated to R&D in 2021.

Alarko Carrier Deputy General Manager Murat Copur stated that they continue their R&D investments without slowing down, and added; "We export our innovative products developed by our R&D team of 55, to 65 countries. This year, we invested approximately 2% of our turnover in R&D. In order to continuously improve our products, we conduct joint studies and tests at our R&D facilities with TÜBİTAK and universities. Moreover, we improve our NEWS FROM products significantly by transferring technology from Carrier."



We talked to Mehmet Sami Kılıç, Chairman of the Board of Directors of ÇEDBİK, about green buildings, which play an important role in the fight against the climate crisis and Turkey's net zero target for 2053.

ÇEDBİK is one of the most important NGOs in Turkey on green buildings. First and foremost, could you tell us about your organization and yourself?

Since the foundation of the Turkish Green Building Council (ÇEDBİK), in 2007, we have been trying to explain the importance of sustainability, particularly in the built-up environment. We have been providing training, seminars, and technical support services for relevant industry stakeholders for a long time to raise awareness in relation to green buildings and green settlements, which are among the main drivers of sustainability. Furthermore, as the Turkish Green Building Council, we have been representing our country on many international platforms, for instance, the World Green Building Council. We currently have one hundred members from various industries, particularly the real estate and construction industries. I have been the Chairman of the Board of Directors of ÇEDBİK since July 2021. Also, I am the Country Director of the project management company Turner International in Turkey.

Green buildings are really important to neutralize carbon emissions in our cities. How would you define a green building?

Today, almost 60 percent of the global population is living in cities and this has increased the time humans spend in closed buildings. According to a study, we are spending almost 90% of our

time in buildings. Also, the buildings and the construction industry in general are responsible for almost 40 percent of energy consumption and 37 percent of emissions. Moreover, almost 30 percent of water consumption is made in the buildings. Of course, these figures change constantly, but what is constant is our need for buildings and the need of buildings for power and water. Green buildings are offering us solutions to these: They use energy, water, and raw materials efficiently, take advantage of renewable energy, minimize carbon emissions, and with their design, materials, and equipment, they offer a comfortable and healthy environment for those who live and work in them. Naturally, to have these many qualities, these buildings should meet certain requirements during their construction and operation. There are green building assessment and certification systems that set these requirements and audit compliance of the buildings with them. Actually, buildings that are certified under internationally accepted systems are called green buildings.

Can you tell us more about these certificates?

There are a few leading green building assessment systems. LEED and BREAM are the ones that are most commonly used in Turkey and the world. Furthermore, the EDGE system developed by the World Bank is getting popular in the developing countries. In Turkey, there has been a long process of development of a national green building certification system, and CEDBİK was also involved in this process. Institutions developed their own systems; however, they were not accepted widely since there was no consensus. ÇEDBİK developed the BEST system after long and detailed studies. In recent years, the Ministry of Environment, Urbanization, and Climate Change started to work on this topic and developed the YESTR system with the support of us, NGOs, and the universities. This system came into force last year after the relevant law and regulations nat it can be widely used.

The point of legal regulations requiring

INTERVIEW: were enacted. Since we are the first and only NGO working in the field of Green Buildings, we work in collaboration with competent public agencies and support this system through our members so that it can be widely used. With the support of legal regulations requiring



construction and energy efficiency, we believe YESTR will be used more widely in the coming years.

What will be the biggest contributions of green buildings?

Green buildings use strategic resources such as raw materials, energy, and water efficiently, increase green spaces, reduce waste and offer comfortable and healthy living spaces. Therefore, green buildings have many economic, environmental, and social benefits. In green buildings, we are spending less power and water, and work in healthier environments which makes us healthier, thus more efficient. Moreover, we minimize our carbon emissions. It is not always possible to measure this in money, but of course, we know that this is very valuable. At this point, every building we construct must be a green building, without focusing on its pros and cons. This is not something optional anymore, every developer should consider this in their planning.

Turkey committed to reaching net zero in 2053. What is Turkey's position in relation to green buildings and what should be done?

Of course, Turkey's target under the Paris Climate Agreement is extremely valuable. However, it does not appear to be easily achievable. We have to change our current way of doing business in almost every industry. Actually, the real estate industry is more advantageous, because new technologies, materials,

and designs are being developed with environmental consciousness. Still, the developers should not resist these anymore. In fact, recent laws and regulations made such applications mandatory now. Furthermore, there are financial incentives, which offer certain advantages to do things that go beyond the legal requirements. The concept of green buildings has been a regular item on the agenda in Turkey for a long time, particularly with large and well-known projects. We are almost always in the top ten countries that have the largest number of green buildings in the world. Still, given the size of the real estate industry and the building stock in our country, we still have great potential for green buildings. Particularly, urban transformation initiative facilitates making buildings more energy efficient and environmentally conscious. In the end, a new building is being constructed, and these buildings should not only be resilient against earthquakes, but they should also be more efficient and comfortable from each aspect.

What should be done in the fight against climate change?

Fighting against climate change should be a long-term strategy for countries that go beyond current issues. Until recently, this was considered as a social responsibility project, particularly in some circles. However, in recent years the announcements made by scientific communities, such as IPCC, showed us what kind of disasters we will face if we do not take urgent action and the rise in the global temperature exceeds 1,5 and 2 degrees, and how little time we have left. In addition, natural disasters such as floods, droughts, and high temperatures, which are indirectly or directly related to global warming, which we have started to see frequently in our country in recent years, show us that we are already late in taking action. It is estimated that these disasters will continue to increase in the future creating social impact and leading to a large-scale migration of people, and water and food problems. The urgency and necessity of this issue must be explained to all sectors, necessary mandatory measures must be taken, and everyone and every institution must accept that this is an issue that will change the way they do business. As I explained above, the construction industry has an important responsibility and should take immediate



Today, almost 60 percent of the global population is living in cities and this has increased the time humans spend in closed buildings. According to a study, we are spending almost 90% of our time in buildings.



action. The laws and regulations should be constantly updated and compliance with them should be made compulsory by minimizing the voluntary principle in green buildings. The costs of projects' external impacts on the environment and people, in particular, should be calculated and reflected in the same projects. First and foremost, the significance of this issue must be recognized. In recent years, the pandemic demonstrated that when serious measures are required, the entire world can act quickly. I believe it is critical that the same level of awareness be demonstrated much more quickly and vigorously in the fight against global climate change.

INTERVIEW: MEHME



STREAMING PLATFORMS

CUT BOTH WAYS

Streaming platforms, increasing in number every day, have radically changed many things in our lives, from our television watching habits to our daily routines. Streaming platforms lead us to feel satisfied and unsatisfied at the same time. Let's see how they cut both ways.

Netflix was the first to come into our lives. The pleasure of watching whatever we want, whenever we want, and the freedom of choosing among very good alternatives made it quite popular in a very short period of time. Soon after, the domestic platforms started to dominate our TV sets with their powerful content. This was the third revolution of the television broadcasting in Turkey. The first one was when TRT 1 was established, the second was when we switched to multi-channel broadcasting. This third revolution introduced a different dimension to watching TV.

Yet, something was still missing. The first missing link was quickly completed by an existing technology and anyone who could afford it quickly switched to smart TVs. The second missing link was completed when Amazon and Disney+ came to Turkey in a year. Now, it is time to enjoy an unlimited access to whatever content we want, while sitting on our couch at home

RAPID GROWTH

This growth has been very rapid not only in Turkey but also in the world. According to a report by the market measurement company Nielsen, audiences in July watched an average of 190.9 billion minutes of streamed content per week. Thus, streaming platforms surpassed the cable for the first time and became the leader. Of course these platforms became a part of our lives very quickly and powerfully because they have many advantages.

For instance, the freedom they give that we mentioned above make us happier in our already busy lives. The ability to access any content we want without any limitation as to time and place, is what makes us feel free. Also, thanks to diversity of content, television screens do not only display what is planned at certain centers. Now each of us has a personal screen. This freedom to choose led us to cultivate a scale of taste wider than we have been offered in the past. Now we do not decide what we are going to watch only based on genres. Now nuances in taste also play a role.

Another important development is the direct reflection of our preferences

in what is being broadcast. Unlike conventional TV; the preferences of the audience are directly reflected in the decisions of the companies. Furthermore, the number of local content is also increasing, which is another important positive development.

DISADVANTAGES

Let's start with two antonyms: Satisfaction and dissatisfaction. These two concepts that could not exist concurrently in the past now do exist together with the emergence of streaming platforms. The audience is satisfied because they watch whatever they want whenever they want, but they are also dissatisfied because they always want more. The audience do not enjoy movies and TV series as they used to do in the past, and stop watching many of them in the middle. Also, there is now a different television addiction. In the past, TV sets dominated only our living rooms, but television is now everywhere with mobile phones, computers, and tablets. Thus, the TV addiction has spread to everywhere.

The streaming platforms became popular with the pandemic. During the pandemic, we were all isolated. However, these platforms carried this isolation to the post-pandemic world and made us more asocial. Even the individuals in the same house are spending more time apart. Unfortunately, what these streaming platforms are taking away from us are really important. Of course, we cannot give them up because of these disadvantages. What we need to do is to eliminate their negative effects on our lives and continue enjoying them.





2.1 BILLION INVESTMENT FROM MEDAS

MEDAŞ will invest TL 2.1 billion to meet the increasing energy demand and provide uninterrupted and high quality energy to Konya, Aksaray, Niğde, Kırşehir, Nevşehir and Karaman provinces. MEDAS General Manager Erol Uçmazbaş made an announcement, stating that an investment of TL 1 17 billion was

lines, energizing new settlements, carrying the overhead networks to the underground and installing streetstreet lighting, and said: "The number of outages decreased by 21 percent and the downtime decreased by 41 percent in the last three years, thanks to these investments."





In his interview with ST Makina. Cem Akan, the General Manager of Alarko Carrier, providing services in heating, cooling, ventilation and water pressurizing sectors, shared R&D focused investment plans of

the Company. In the interview, Akan underlined that they have been developing high-tech products meeting the needs of the Turkish and global markets since their early days: "We are exporting our innovative products developed by an R&D team of 55, to 65 countries. This year, we invested approximately 2% of our turnover in R&D. In 2022, we are planning to focus our investments on R&D and

In the interview. Akan also mentioned that a fan coil laboratory was opened at the end of the previous year in addition to the company's rooftop and air handling units, and they would particularly focus on R&D investments in circulation pumps and heating products.





FORBES PRAISE HILLSIDE **BEACH CLUB**

Hillside Beach Club, which was covered by many international publications with its pioneering practices and top-quality services, was featured in "Forbes" magazine, one of the most widely read publications in the world. Forbes magazine, which is a respected source of information for many people from around the word for finance, industry, investment, tourism and marketing, published a detailed review of the Hillside Beach Club under the title: "Silence Is Often Golden At Hillside Beach Club In Turkev".

The article published in the newspaper's website, which has 29 million visitors per month, reviews the amenities the Hillside Beach Club offers for families and children, the rich variety of food and drinks it serves, and the activities available for adults. Pointing out that the hotel staff builds a unique bond with the guests and that this has a high impact on the percentage of regular quests, the editor also recommends the Hillside Beach Club, as the "best option" for both family vacations and couples, given the adults-only areas of the hotel.

BAKAD RING ROAD TO BE DELIVERED BEFORE THE COMPLETION DATE

BAKAD Ring Road, the first large PPP in Kazakhstan, connecting Karasay and Talgar regions of Almaty province will be delivered before the completion date agreed in the contract. 14.5 km of the 66 km ring road is designed with 4 lanes, whereas, 51.5 km is designed with 6 lanes. There will be 7 intersections, 13 overpasses, 7 underpasses, 1 railway underpass, 18 bridges and 1 retaining Jugust.

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GROUP

CARRIER CELEBRATES 100TH ANNIVERSARY OF CENTRIFUGAL CHILLER GROUPS

Today, Carrier celebrates the 100th anniversary of the invention of the centrifugal chilling machine that in many ways made the modern world possible. On the evening of 22 May 1922, 300 people were invited by Willis Haviland Carrier to a sheet metal shop in Newark, New Jersey, for a free meal and a boxing match followed by the unveiling of the first centrifugal chiller technology.

Carrier's conception to combine a centrifugal refrigeration compressor with a shell, a new type of condenser and a chiller on one frame enhanced process cooling in factories around the world. Following the first installation of three centrifugal chillers at a Philadelphia chocolate factory in 1923, Carrier's innovation soon provided process cooling to rayon manufacturers in India and cracker factories in Mexico.







MEDAŞ DIGITAL TRANSFORMATION TO COVER EXPROPRIATION PROCEDURES

MEDAŞ carries out expropriation procedures for thousands of lots every year to erect transmission lines, distribution centers, and transformer buildings, therefore, spatialization and dynamic management of data obtained during these procedures is becoming



important by the day. Accordingly, MEDAŞ signed a software contract with NETCAD for the Expropriation Information System Project, which is the only system where expropriation projects generated with the desktop CAD program are dynamically transferred to the web-based Geographical Information System and is integrated with the systems involving expropriation and all expropriation procedures will be carried out.

MEDAŞ General Manager Erol Uçmazbaş and NETCAD Co General Manager Deniz Şaran were present at the contract signing ceremony held at MEDAŞ General Directorate. Erol Uçmazbaş and Deniz Şaran stated that they attached great importance to this collaboration and that Expropriation Information System Project will set an example to other electricity distribution companies.

CREATIVE MINDS HOLDS THE FOURTH MEETING

Hillside, which is committed to continuous development, held its second meeting with the management team in the "Creative Minds" project. where young entrepreneurs are supported, by incorporating their inputs in the management processes. Hillside's "Creative Minds" team of 10, selected from among creative young people between the ages of 18 and 22 as part of the project, where managers of the future is trained, is contributing to development of brand new services by Hillside by sharing their experiences and opinions, and directly contributing to the decision-making.



STRATEGIC MARKETING AND GAME-CHANGER PRODUCT MANAGEMENT TRAINING

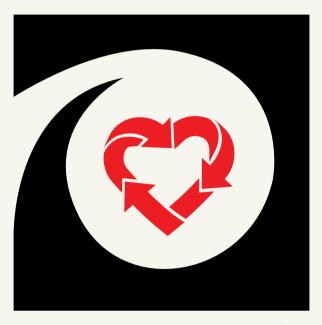
The interactive trainings, conducted by Dr. Hakan Tetik with 75% practical content and attended by the Product Management, Dealership Sales, Customer Relations, Corporate Communications, Totaline Marketing and Commercial Products Service Manager, were planned in two phases. The first phase took place on 21-22 April, and a strategic marketing training was given to the participants. This training was on the positioning of the corporate strategy through common objectives; and as part of the training, target

segments were determined in line with the positioning, the ideal product portfolio was structured, and practices were carried out on how to stand out from the competition. The game-changer product management training sessions were held on 28-29 April and 10 May. The basic approach of product management and five competencies were examined in detail in the training, where market, needs and customer segmentation, product road map and product life cycle were studied by the teams.



ALARKO LIFE VOLUNTEERS CLUB START ITS ACTIVITIES

The Alarko Life Volunteers Club, one of Alarko Holding's corporate social responsibility projects start its activities.



ALARKO

— YAŞAM —
GÖNÜLLÜLERİ

The Alarko Life Volunteers Club, one of Alarko Holding's corporate social responsibility projects set up to organize in-house volunteering activities within the Group, began operations. The Alarko Life Volunteers Club will work in areas of need through a variety of projects to raise awareness about social issues and carry out activities that benefit society.

Alarko Holding Group Chief Executive Officer Ümit Nuri Yıldız stated in his message: "With our social consciousness and awareness, we continue to carry out our activities in order to fulfill the mission left to us by our founders, the late Dr. Üzeyir Garih and the late Ishak Alaton There is no doubt that the Alarko Life Volunteers Club, which aims to implement projects that improve society, the environment, and life, will be successful only if we, the people of Alarko, support it. I am confident that our Group employees will support this volunteering initiative, in which I will gladly participate."

Alarko Life Volunteers will first run in the Istanbul Marathon on November 6, for the benefit of the Tohum Autism Foundation in an effort to generate money for the education of people with autism

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