

HAVE YOU GOT WHAT IT TAKES?



“Our Building Future program began with a project competition focusing on waste management ”

FOR THE FUTURE

“More value - less impact” - that's the name of the Sika sustainability strategy. With the aim of “enhancing utility and reducing impacts”, Sika pursues six strategic target areas, focusing on sustainable solutions, climate performance, community engagement, energy, waste/water, and occupational safety. As Sika, we attach importance to a sustainable future and we aware of how important waste management is for our future. We organized a competition with the purpose of drawing attention to waste management for a sustainable environment, and asked young people to share their creative projects on waste management and recycling.

WITH THE FUTURE

Please welcome Gizem and Abdullah! Let us introduce them; they are our young heroes building the future! Not only did they dream for a beautiful world, but also put their ideas into practice together with us. They made contributions to the restoration of a playground with waste materials by using concrete cube samples, aggregates and various Sika products. Now we will share with you what they encountered, what process they experienced while they were making these beautiful dreams real.



ABDULLAH DOĞMUŞ
A student in architecture
Innovative
Determined

BÜŞRA GİZEM YILMAZ
An architect
Inquiring mind
Observer

BUILDING FUTURE

LET THE ADVENTURE BEGIN!

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Who is Gizem?



Hello, I am Büşra Gizem Yılmaz. I am graduated from İstanbul Kültür University, Faculty of Architecture, Department of Architecture, 2018. Currently I am working as an Architect in Kültür University Directorate of Construction and Technical Works. At the same time, I am continuing my postgraduate training in architectural design. I am trying to actively continue the adventure of a photography contest, which was organised by the Association of Architects and I attended as a student.

Who is Abdullah?



Hello, I am Abdullah Dođmuş, a student of Maltepe University, Department of Architecture in English, 3rd grade. I am an architect candidate who attaches a meaning to the past and loves to build the future. I am a person who likes producing and practicing innovative ideas about sustainability and recycling. I am aiming to improve the theoretical educational infrastructure that I earned in Maltepe University Department of Architecture with the achievements of my previous internships and my administrative duty in the club I founded, and to combine it with the practical information that I will achieve in the departments that I will take part in the future.

EXCITEMENT OF THE FIRST STEP

After presenting their project ideas, Gizem and Abdullah, our friends building the future, started to get to know our factory with our well-equipped team and get various opinions on which products to use and where to use them. Now let us learn from these two young friends what they felt while taking the first steps for their project.

Gizem's First Step

First week at Sika...

Yes we started the job, but how did we do it? Introduction stage in the first day at Sika...

So, how is the introduction stage, how does it make feel? Were you stressful, curious, nervous, excited? Once you step through the door at Sika, a smiling team releases all question marks out of your head. The question marks are gone, but they are replaced with prejudice. The energy, harmony and fun of the team in the Marketing Department, which I was involved in due to the project, had already broken down my prejudices...

Afterwards, interviews were made about the project. After my presentation of my ideas about the project, we made a plan on how to proceed, with the Marketing Team.

Abdullah's First Step

I did not know what was waiting for me in a structure that looked like a yellow toy box.

It was the first day after my project was approved. When I entered inside, I saw people meeting me with smiling faces. It was making me very nervous to be realising my project, which excited me a lot, but I got over my anxiety when I met the Marketing Team. Afterwards, we made a meeting with the Marketing Team on how to proceed with the project, and we formed our plan. Then we could start working for the project.



LET THE PROJECT BEGIN!

Our friends building the future started working for the project after they decided how to proceed in their projects. First of all, they started to decide which products to use with our Marketing Application Team. They used our documents to get technical information about the products. Let us learn from Gizem and Abdullah what they experienced in these stages.



Gizem's Experiences

We started working for the project. First of all, we entered the product application room with the Application Team. We started getting information about Sika products from the relevant documents. After then, we started a factory tour and OHS training given by an Occupational Safety Specialist for acting in accordance with the rules in the factory, and we examined the waste products in the waste field. After place identification through the model, we had a tour in the whole factory and we are coming to the part that actually concerns us. Yes! The area of concrete samples...

Abdullah's Experiences

First of all, we needed to get to know the Sika products. Therefore, we entered the product application room with the Application Team. We started getting information about Sika products from the relevant documents. When meeting with the Operations Manager and getting information about the products, I realised with excitement that I had to get to work. After then, we started a factory tour and OHS training given by an Occupational Safety Specialist for acting in accordance with the rules in the factory, and we examined the waste products in the waste field. It was a great pleasure for me to take a step into a beautiful project that I had been dreaming of for a long time, and I wanted to finalise this project as soon as possible.



TIME TO GET TO WORK

Our friends building the future got to work after they got information about the products and the factory. Gizem started to examine the concrete samples and learned about putting the existing concrete cubes in the form of aggregate and bringing concrete in a castable form with slump experiment. And Abdullah started restoring the park with waste Sika products after determining the repair needs.

Gizem's Efforts

Now it is time to make planning by examining the concrete samples.

For those who wonder, the plan is as follows:

- Putting the existing concrete cubes in the form of aggregate
- Aggregate clay measurement with blue methylene
- Los Angeles experiment
- Aggregate segregating
- Fluid calculation
- High strength concrete recipe
- Reference concrete production
- Fresh concrete production with concrete mixer
- Bringing concrete in a castable form with slump experiment...



For satisfying all questions about formwork, I am starting a formwork research hoping that all checks will be completed at the end of the process.

We are inviting every child and everyone who has not forgotten the child within to play the concrete scrabble game...

Abdullah's Efforts

Now it is time to get to work! And I had opportunity to obtain further information about the products after I met the Product Engineers at Sika. We explained our projects to each other with my Architect friend Büşra Gizem Yılmaz, with who I will jointly work in the project. We exchanged ideas on identifying the location and types of applications in the playground which is my field of project.

Afterwards, we made some revisions on the project that I had started as the Project Children's Ladybug by reviewing some designs. We reviewed the implementation stage since the implementation project was in the concept of recyclable materials. In addition, we created a specific program and determined the application priorities. After then, it was time to initiate interviews with the Municipality of Sancaktepe.



DREAMS COME TRUE

After getting down to work about waste management, our friends building a future went to the park which they wanted to restore and implemented their projects there. As Sika Turkey, we are greatly happy that they supported this beautiful project together with us.



Gizem's Adventure

Now we have come to the end; my excitement is going up day by day.

While trying to recycle as the result of the researches I had made when waiting for the concrete cube samples to pile up, we started studying on how to use the concrete cube samples without causing more waste formations and sending them for breaking without increasing the cost.

During this time, we exchanged ideas with Abdullah. He presented his opinions on improving the functions of the park he chose, by handling them with Sika products. We decided to implement the scrabble project on the pavement of Veysel Karani Park.

You heard it right!

We will start the job by replacing the paving stones of the park to be renewed with our existing concrete cube samples.

Our new work plan is as follows:

Identification of the necessary materials

- Collection of the materials
- Sending the materials, the controls of which are collected, to the field
- Starting the field works
- Replacing the paving stones with the approximate size of 1.50 cm with 10*10 cm concrete cube samples instead of the ones with 1.30 cm
- Placing stickers on the base settled, according to the table of words prepared and painting the letters

And the end...

Thanks to the valuable Sika team that supported me for this excellent project that I realised for a sustainable environment.



Abdullah's Adventure

I started communications with the Municipality of Sancaktepe and shared my project with the team, and they said that they would be very glad for me implementing the project in this park. After then, I got the necessary appointment from the Landscape Directorate of the municipality.

Following the fulfilment of the required procedures, we came together again with the Marketing Implementation Team and we prepared a list of requirements of materials for which Sika products to use in the project. We made a tour trip with the team after preparing the draft with my design.

In the field trip, we talked about what would differentiate in application and which application methods should be evaluated. Later, we started restoration works in the park. In this process, I had the opportunity to observe experiences regarding the processes of wall plaster, insulation, adhesives, painting and programming. My achievements from this project were as follows:

- Performing plaster application
- Reinforced concrete insulation
- Using plaster retainer primer
- Using fire preventive and protective products
- Designing concrete cubes
- Using aggregates in design
- Antirust application
- Reinforced concrete walling application
- Oil painting application
- Paving stone application
- Construction site management
- Preparation of work plan and quantities

Then we came to the end. It honoured me highly to have touched the lives of the children in my own town. Thanks to the valuable Sika team who provided me with the opportunity to realise this project, which I had been dreaming of for a long time.