

## CONSTRUCTION JOURNAL

### 10/10 Monday

10 a.m. we travelled to the Kiscelli utca, Budapest, where the ASA company is located. We met the former ceo of ASA consolis László Polgár and he introduced us to HR and purchasing manager of ASA consolis Cristina Muller, she presented us the ASA company and consolis group, additionally Cristina explained the workplace safety. We introduced ourselves to her and Laszlo as well. Furthermore we met some employees as Jessica Walcz (we spent more time with her on the Wednesday), and some other architects and IT workers. At the end of the opening meeting they informed us about the program for the following day. After our first visit of ASA company we travelled back to the hostel and we had an afternoon cultural program.

### 10/11 Tuesday

As they informed us the day before, Mr. Polgár picked us up at the Mexikói út in the morning and we set off to Hódmezővásárhelyre (approximately 200 km away near the Serbian borders), where the plant for the production of concrete prefabricated blocks of the ASA company is located. Cristina was already expecting us and gave us work shoes, reflective vests and safety helmets. Then she gave us a short briefing about the tour of the production plant. The production plant consists of several buildings, first we visited the building for the production of prestressed concrete, where they explained the principle of its production and its function. They also showed us the storage of elements and materials. Very fascinating was the hall for bending the construction steel. As we were travelling back to Budapest we stopped to visit the Cédrus Liget apartment complex in Szeged which is built from construction elements of the ASA.



*Production plant in Hódmezővásárhelyre*



*Cédrus*

### 10/12 Wednesday

We met Jessica Walcz (an civil engineer in ASA) in the morning in ASA headquarters. She described the design of the reinforced concrete frame of the warehouse in Páty. She also brought us to show the reinforcement they use for beams, panels and for their movement and assembly. In the afternoon after our lunch break we viewed the on-site assembly in Páty. Construction of the HelloParks (innovative industrial real estate development company) warehouse is underway here. The project manager gave us tour of the construction site and explained to us what has been built so far and what will be built. We saw the founding of prefabricated columns in foundation footings. Unfortunately we

didn't see the erection of the columns but we saw the installation of the cross beam on the columns and how are the elements transported to the construction site.



*Types of reinforcement*



*installation of the cross beam*

### **10/13 Thursday**

At 9:30 a.m. we travelled to Szövetség utca. Here we met the managing director, architectural engineer and static designer Ottó Szabó of the PLAN 31 (this company is one of the partners of ASA). He briefly started with introduction of the company and its history. After the intro he gave us a tour of the office, which is located in the building built in 1890. Then he showed us some of the main work (in past, present and what are they up to). As well as ASA they work mostly with precast concrete elements. He also gave us lecture focused on building mechanics and the principle of founding footings then he presented us the steel elements they work with. Then we moved across the Budapest to take a look at the National Athletic centre which is mostly made of steel constructions. Stadium is still under construction.



*National Athletic centre – steel frame construction*



*Elements they use for precast elements*

**10/14 Friday**

At 8.30, we headed to Sósút to the headquarter of the Bayer-Construct company. This company is in the top 3 construction companies in the whole Hungary. Tamás Iski, the head of the design office was waiting to present us the company. Firstly was the introduction of the company, their projects, subsidiary companies and innovations. Secondly his colleague presented us their biggest project so far which is the Bosnyák tér city center - ZUGLÓ VÁROSKÖZPONT. This is a city centre with residential building, fashion street but mostly with offices (parking lots are under the buildings). They are collaborating with ZAHA HADID architects on this project. Thirdly Tamás gave us a tour through their brand new office building. We saw the design engineering office which was undoubtedly fascinating. Then he led us to the production hall for the production of steel elements. This hall is under their subsidiary company Bay-Iron. Fourthly we visited the construction site of the ZUGLÓ VÁROSKÖZPONT which is only on the beginning. The ground is prepared and the foundation is setting.



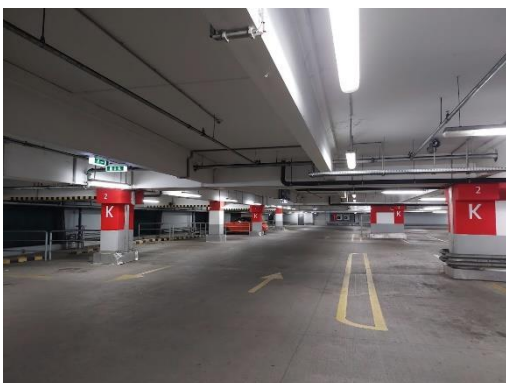
*The construction site of Zugló*



*Bay-Iron production hall*

**10/17 Monday**

At 8 a.m. on Mexikói út Mr. Polgár came for us and he showed us buildings that he designed and were made by the ASA company, among them were, for example, the ikea building, shopping centres, underground parking lots, administrative buildings and other. Then he drove us to visit the construction site of a new office building for the Richter-Gedeon pharmaceutical headquarters, we had been led by Péter Sztermen. This building is entirely built from a monolithic elements including stairs and walls (with isolation in it). Windows or basically the glass walls are made only from glass, steel and strand board (OSB). Photo documentation of R-G pharmaceutical headquarters is from [here](#), because taking photos was prohibited.



*Parking lot in Arkade shopping mall  
designed and built by ASA*



*R-G pharm. Headquarters visualisation*

**10/18 Tuesday**

On Tuesday we visited the headquarters (the sixth one) the biggest construction company – MARKET. Dávid Szabolcs the contracting director of Prebeton (one of many Market's subsidiary companies) was waiting us here to give us a presentation about the company and its subsidiary companies. As well he introduced us their biggest project. This project is for 15 years so it will be completed around 2029 to 2030. The project represents the design and construction of an entirely new district consisting of approximately 40+ buildings (offices, residential, shops, health care centre...).



*MARKET office building in Budapest*



*First years of BUDAPRT construction*

**10/19 Wednesday**

As on the most of the days Mr. Polgár picked us up on Mexikói út from where we travelled to Kecskemét. The company KESZ, which deals with steel structures, is located here. We have met Filkó Veronika who was actually born in Slovakia (we were so shocked :D) and she spoke in Slovak with us. She presented us the KESZ company and what they do. After that Kocsis András Balázs who is a structure engineer in KESZ showed us a presentation about stadiums (steel frame stadiums). When the presentations ended they led us through their production plant which was basically connected to the office. We saw a factory for profiling steel beams, but we also had a demonstration of their products such as panels, windows and other.



*Production hall for beams profiling*



*KESZ headquarters in Kecskemét*

**10/20 Thursday**

From 9:00 a.m. we worked on our construction journal in ASA office building.