



Dear Reader,

in our anniversary year, we had decided to finance the planting around the terrace of the listed Villa Wertheimer in Bad Homburg, which was reconstructed in complex work. However, things often turn out differently than expected.

The „Gustavsgarten“, a popular English landscaped garden around the Villa Wertheimer, is under preservation order since 1988. In 2011, the park passed into the ownership of the city Bad Homburg. One year later, it was opened for the public, after being in private property for 240 years. Especially

families and their kids get together around the historic tree population. Hidden under Caucasian spruce trees, there is an entire fleet of walking bikes, bobby cars and scooters. Regrettably, they need to be cut down. Five of the shady titan plants are infested with bark beetle so badly, that they must be replaced.

After getting notice of this, we decided quickly with the city, that Infastaub will finance the replacement of the spruce trees instead of the planting around the terrace, because trees take care for

healthy air with their role as “air cleaner“, just like Infastaub does during dedusting of production processes with filter plants.

As soon as the temparture permits, the replanting will start. We definitely will report back on this in our newsletter.

Cordially
Berthold Geppert



Infa-Inside

Table Football again donated

In the games room of the „Landgräflichen Stiftung“, 30 kids and teenagers together with their carers are excited about a new table football worth 1.000 Euro. It is donated by Infastaub.

At every trade fair, Infastaub brings along a table football. At the fair stand, it is a proven meeting and communication point.

Since years, it is part of the booth concept to donate the table football to a social institution after the fair. This year, the children's home of the „Landgräflichen Stiftung“ re-

ceived the table football.

Together with a few teenagers of the „Landgräflichen Stiftung“ the table football was carried to its new destination. Pleasure was great among the kids and teenager when the table finally reached the games room. The home residents directly played a first match.

„Often, just one table football was not enough and the kids had to wait for their turn. Therefore, we are very happy about the donation of Infastaub. Especially since it is a tournament edition which we can



use for a very long time“, says Dagmar Heidel, Physical Instructor of the institution.

From construction directly to Marketing

3D-CAD systems are the base for computer generated imagery (CGI) - photorealistic pictures of products, that are generated by a special software; even if the product doesn't exist yet.

A skilful hand-drawn sketch with a pencil has undoubtedly its very own charm. But product visualisations or pictures for Sales and Marketing can't be produced in this variance and diversity. Also the classic product photography is coming under pressure because of the advantages of CGIs. Nevertheless, photo studios and photographers won't be eliminated in future, because where CAD data are missing, CGIs can't be generated.

In addition, CGI is a good method to adapt the visualisation of a product to different target groups. In order to create different scenes of the product in different surroundings, no sets at different locations need to be assembled and dismantled. One and the same product can be put in different environments with the digital solution. For example, a car can be placed in front of skyscrapers for urbanites or in a mountain scenery for nature lovers. In reality, the car wasn't even close to these settings.

CGI is also beneficial when products don't yet exist and can't be produced „just now“. On basis of CAD data they can be visualised anyhow. This allows production of brochures and promotional literature already before series manufacturing of a production or in case a plant was assembled at an inaccessible location.

How does one get a nice CGI product visualisation out of a rough CAD picture? There are just a few clicks necessary for the export of a CAD data file. In practice at Infastaub, the Marketing department receives the CAD data in a STEP format from construction. The file is then imported into the special software „keyshot“.

Requested materials, colours and textures are allocated to the components, so that they receive a realistic surface. Special light sources and backgrounds are added, a point of view is chosen and the virtual cameras are positioned - that's it. The rest is done by the computer - the so-called rendering. Of course, this all is also work, but time and effort is substantially less than for classic product photography.

The marketing-technical clou about it: The visualisations generated with keyshot can be used by different media channels. For example, the technical documentation can resort to the visualisations because of the flexible presentation options and the rendered single components are found in the webshop.

CGI offers manifold possibilities to put products in scene. The only thing that could set limits is the own imaginative power what can be realised with CGI. Infastaub for example has printed canvasses with them and newly fitted out the hallways with the pictures.



De-dusting „through the wall“

Processing highly effective substances can be dangerous. A simple solution in order to secure operating personnel could be full-body protective suits. This sounds simple in theory, but practically it is an uneconomic solution, because staff can only work for a short time under these conditions. As a result, production costs would be driven up. In addition, these suits would protect the staff, but they can't prevent, that the plant periphery would be contaminated with the product.

For this reason, containment solutions exist. They prevent spreading of the highly effective substances. Filter systems, that are integrated in the production process, also need to comply with containment standards. A possibility for this purpose are so-called safe-change systems. Filter elements and dust collecting bins can be changed contactless with this method. In combination with the „through the wall design“ it is additionally secu-

red, that only little space is needed in the production area and even in case of an operating error the engineering room, that should not be contaminated, keeps clean.

The „through the wall design“ describes the installation of a process unit into a clean room wall. Only the openings necessary for processing and the operating elements are serviced from the production area. The main part of the unit protrudes out of the engineering room. Infastaub's filter series Infa-Micron MKR for pharmaceutical applications can be provided with this feature.

A two-stage police filter of this design was ordered by a German job order contractor for pharmaceutical products. It dedusts a fluidized bed system. By integration of the cassette filter in the rear wall of the production room, the engineering room won't be contaminated.

The filter cassettes of the first filter stage are realised in filter class



F9. The second filter stage is intended with filter class H13 in order to achieve a separation efficiency of > 99.95 %. The guaranteed residual dust content lies at < 0.001 mg/m³. Change of filter cassettes is carried out by the so-called safe-change method.

Summer 2019



Hot, hotter, summer 2019. This year's extreme summer was record-breaking. What was more appropriate than cooling down with cold ice-cream or enjoying some cold drinks at the summer party of Infastaub?

At Infastaub, eating ice cream and a summer party are fixed elements in the summer months. When the temperature goes upwards in this manner, than it makes double fun.

At the summer party, the Infastaub employees were pampered with culinary delicacies from the grill of a Food Truck. The evening leaves fond memories and already anticipation on the upcoming christmas party and the lodge party at the christmas market.

But we were also sporty at the end of the summer. Traditionally, six runners started again at the

running event „Bad Homburg runs after work“. On September 4th, 2019, the runners competed at the 5 km distance around the location „Kronenhof“ in Bad Homburg. After 21 minutes, Klaus Schott reached the finishing line. This was again a peak result.

Out of 485 teams with each three runners, the company teams of Infastaub runners reached the 75th and 326th place.



Good for the back

The anatomy of humans is focused on movement and not on office work lasting for hours. However, many people do their work in a sitting position. In perpetuity, this often causes back pain - one of the most common diseases of employees.

Desks, that can be automatically adjusted in height and the person can change periodically between standing and sitting, are helpful.

The easiest way is of course with an electromotive adjustment.

Infastaub has designed all office workplaces health-promoting and changed desks to height-adjustable versions. A touch of a button, moving upwards and continue working on one's feet. This is now very easy, because healthy employees are Infastaub's most important resource.



What is actually doing ...??

Sophia Weiß Assistant



In March 2016, Sophia Weiss took over her first position at Infastaub. At first, the 24 year-old was employed at the reception and changed for a short time to the purchasing department in November 2018. Since April 2019, Sophia Weiss works in the secretary's office of the management.

Why do you have the different jobs at Infastaub?

My change to the purchasing department is because of my studies. Beside my job, I study business administration at the IUBH. I wanted to work less weekly

hours, in order to focus more on my studies. That way I may get my bachelor's degree as soon as possible. The reception though needs to be occupied the entire afternoon. So I changed into the purchasing department. However, I brought along a big part of my duties to the new position.

Because of a vacancy in the secretary's office of our Managing Director, I changed my job again. But also here I took along a part of my duties, e. g. dunning. Of course, many more tasks are newly added at my new workplace, for example human resource administration.

Aren't studies next to a fulltime job quite exhausting?

It depends on how much time you can and want to spend on your studies. The time flexibility Infastaub helps me of course with my goal to finish my studies in four

years. In the meantime, I'm already in the 5th semester and it looks promising.

Have you already specified a major course?

Yes, my main focus is human resources. Therefore my new job is ideal for that. I already had some discussions with the Managing Director about health promotion. There are many exciting ideas we want to realize next year.

Do you have time for hobbies?

Only little. But I own a horse. It must be moved, groomed and the stable needs to be cleaned. And additionally we have two dogs in our family.

Three words that describe you?

Positive, helpful, full of the joys of life

If you could make a wish:

Then I would wish health for all lovely people in my environment.