Vajda-Papír english documentation

Our chosen company mainly deals with paper products, since they are using specified and highly advanced elements our task was to create a network that can handle this production rate. There are multiple paper-product companies that trust this factory so it is pretty important to satisfy them. The main concern was how we can manage an eco-friendly industrial place while being efficient with production.

Dunaföldvár location

The **blue area** is mainly functioning as a receipt point for the paper materials coming in, there is high traffic due to its task. We had to implement high quality scanners in order to be able to register the incoming materials to organize them in the best way possible. These scanners are uploading the data via access-points, and send it to the server room so that everyone can see and use the data.

The workers at the **orange area** are dealing with the crafting of paper, which can be used to make paper products later in the sequence of production. In this area we deployed a few industiral computer in order to be more efficient with these machines. These are automated robots but sometimes the workers have to invervene.

We can see in the **green area** that this industrial place has to be as efficient as possible with place management, that’s why we have to roll up the already-made paper material. As already mentioned above, there are scanners to organize the storage.

Since we can not store our materials at the production site, we have to move them to a different warehouse and that's when the **lime area** comes in handy. This place functions as a storage we did not had to implement any type of extra, just a few access-points.

The most complex network is in the **red area** and it’s an office with a lot of PCs and other end devices. Since we have to manage a whole factory it’s important to employ a lot of highly educated people. To be more specific we added two servers, one primary and one backup server for safety. These are for DHCP, DNS, AD, TFTP, FTP. The printserver is also located in the Office including the printers.

At the next stop, we can find the **purple area** and we have to move our materials here since this is the final production site. We can find a lot of automatically working production lines that can make any type of paper-related product. These machines are producing in high quantites so the precision is expected, in order to maintain this we placed a few industial computers here aswell if human help is needed.

The **pink area** is responsible to wrap the already check and accepted paper items into their branding’s wrapping. There is quality control to ensure there are no defective products leaving the factory and that’s why we put a lot of end devices here to be confident that the workers here can easily spot any defective product. There is also a machnie that checks out the finished product.