

Report Volvo Internship 2006

Together with students from Linz and Hallein, 8 students of the HTL Vöcklabruck had been granted an internship at VOLVO, Gothenburg during the summer of 2006.

After a long trip to Sweden we were picked up at the Landvetter Airport and taken to our apartment. On the following day we met Gisela Bohlin, who made us familiar with the city and public transportation.

We were taken to GTG, at technical school within the Volvo plant, where we met some Swedish pupils for the so called “Intercultural Communication”. After that they gave us a guided tour through Gothenburg.



Lipstic

Within the next days we had a closer look at the city, travelled to an island near Gothenburg by a Ferry, and had a barbeque in the park.

For work we were divided in several groups.

- 4 worked at the “Paint Shop”
- 2 at the “Special Vehicles”
- 2 at the “Tool and Equipment Assembly”
- 2 at the “Quality Control”
- 1 at the “Body Shop”
- 1 at the bureau, that was not located within the Volvo plant (near to “Lindholmen”, where another part of the GTG was located.)

In the “Paint Shop” we basically had to control the paint coat, so the paint-machine could be recalibrated if necessary.

The students at the “Special Vehicles” had to mount new shock absorbers, DVD-Players... Furthermore they had to polish the cars.

At the “Tool and Equipment Assembly” a malfunctioning machine had to be observed to find out the source of malfunction and fix it then. Furthermore we made some technical drawings by using CATIA.

At the “Quality Control” cars were checked for faults.

In the “Body Shop”- there were problems with supplying the machines and these had to be solved.

At the bureau in Lindholmen the ProE-Cabling was used to simulate the installation of cables.

Bartel Daniel and Groher Michael

Our working place at Volvo Car Corp. was situated in the Paint Shop, where the galvanised car bodies were delivered. In fact the next step at Volvo was to galvanise special layers on the bodies, to get a kind of protection for the steel sheets.

In short our work was to make a quality control in the primer and basecoat area and to write protocols about the results. These film thickness measurements were very time-consuming, most of our time at Volvo we had to deal with this kind of jobs and got a huge range of car models for measuring.

During the second part of our internship we had to create drawings of existing pipeline systems to provide an overview of the special parts. However this was a good alternative to the quality control.

Miodrag Ivanovic

I was the only one of our group working for Volvo Trucks, Gothenburg – Lundby in the design department, strictly spoken the “Fuel and AdBlu Supply”.

I was in charge of drawing the fuel pipes from various chassis types with the ProEngineer Module ProCabling. Beside that I got other tasks with lower importance, one of these was to test Urea hoses and to build up an evaluation in MS Excel.

Thomas Ludwig and Andreas Reiter

We worked at the engineering office of the Paint Shop. Our task was to update maps of the Paint Shop. Furthermore we carried out time measurements to determine the exact times of operation steps and the cycle times of machines. Moreover we created Excel-sheets to simplify the capacity management of the Paint Shop.

Rapberger Richard and Schranzinger Andreas

We belonged to the department tool and equipment assembly, which was located in the assembly shop TC11. During the first week we made an error analysis of one of the mounting machines which fixes the under body plates of the new S80. The next three weeks we were occupied with designing spare parts for our department in the 3D-CAD program CATIA V4.

Other Activities

In our leisure time we explored Gothenburg and the surroundings.

We went to the theme park “Liseberg”, which was located right in front of our door; this park owns Europe’s biggest wooden rollercoaster. (see picture)



Some of us went for a canoe ride to a lake near Gothenburg.

One weekend some of our group travelled to Denmark, to go sightseeing in Copenhagen.

On September 19th our Internship ended and we travelled home.

It was a great internship at Volvo, which I would do again at any time.

We all gained new valuable experiences like taking care of oneself for 5 weeks, working in a non-german speaking company and getting by with everyday situations in a foreign country.

At this point we’d like to thank Mr. Prof. Anton Pixner and Ms. Gisela Bohlin for their efforts. We also want to thank the association “Freunde der HTL” for the financial support. Hopefully further students will be enabled to attend an internship like this one in near future.