

Video recorded process Beijing Heat Exchange and Car Assembly Project

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Introduction

In the first project was tasked to help Beijing Heat Exchange company to help them make an instructional video for operating a heat exchange facility in a building complex. Beijing Heat Exchange company had recently installed a new heat exchange facility in the basement in a building complex and wanted a video which would help the residence of the complex to operate the system.

The second project consisted of two days of filming an experiment and two days editing. The experiment consisted of students assembling a toy car. There where over 1 hour of raw material edited down to 10 minutes of finished movie.

Method

There had previously been a conversation between my professor in Norway and my professor in China about what I could contribute with. We decided on me recording a video for Beijing Heat Exchange company, since I previously had some experience from editing, tough rather limited.

My professor helped me to get in touch with the company, and I first met the company at the University Campus. There I was picked up by three employees and together with another Chinese student, we were driven to the heat exchange facility. The company supplied the necessary camera equipment, which constituted about one professional Canon camera and on compact camera. The Canon was used to film and take pictures of the equipment, and the compact camera was used to take supplementary pictures. There where three workers from the Beijing Heat Exchange Company helping us during or shoot. One person from the company was responsible for telling me what to film and take pictures of. They had previously made a script for the film for what was needed to shoot, so the process was rather quick. The shooting took about 2 hours.

Later I was requested to film an experiment for my professor. The experiment consisted of students assembling a toy car and timing the assembly process. The filming took part over two days with about 2 hours each day.

Result

We did meet some problems during the filming of the video. Some problems were technical. Hope to operate the Canon camera was unknown to everyone present, so we were not able to correctly adjust the focus. This made parts of the films unclear. Another technical problem is that a photo camera is not meant to film with. The challenge here is filming with a photo camera will make the video shaky, since there is a lack of anti-shake functions in a camera which a video camera has. This resulted in that part of the film were shaky and out of focus. Another problem we faced was that I was not part of the planning of the video. This don't necessary creates a problem, but the objects we where filming is unknown to me. I don't

know the technical parts of a Heat Exchange System, and I don't know the Chinese name of these parts. So, after filming the film this creates a lot of challenges editing it. The company want descriptive text in Chinese of the parts in the film, which I am unable to provide. We solved this by me getting help from a Chinese student, who generously offered his time to translate and write in Chinese to finish the editing. This solution worked very well. Another solution would be I the planning process. If the script for filming made by the company matched the order, we filmed in I would make it possible for me to edit the movie without assistance.

Another problem I faced was my technical skills. My major is in Management, so I did not have the required skills to make the movie to the required level for the company. The turned out good, but it is a basic instructional video with added text. The company wanted more technical features which I could unfortunately not provide.

The toy car assembly process was more straightforward. My professor wanted me to film the process and edit it down to a 10 minutes film. I edited the film into what I believe is the desired outcome, focusing og the whole process over those to days. Trying the show the beginning with instructions from the professor, the students discussing and testing out how to solve the task, to how the students is solving it on day two and then the result of their work.

Discussion

It was a learning full and interesting task. As a project manager you can learn a lot both by successes and by failures. I think the result of the work is a success. The movie was made by the initially requested standard containing the requested features, and I believe it will fulfil its intended use. The process of making the movie could be improved. This was a good case to highlight the challenged to intervene efficiency and speed in a prosses. The process of making the movie was quick. A lot of this was because the company had already planned when to pick me up, when to visit the site, provided the equipment and what we needed to film. I think the process could be more efficient it the students was included in the planning process. By including the student's future problems could be addresses in the planning stage. This would give us time to get the optimal equipment, learn how to operate the equipment, adjust tasks, find a solution to translation problems and more. I'm very grateful for this experience. It has taught me not to rush projects, and that it is a lot of value to be added by thorough planning and communication. A preferred project could look like this:

Initial Meeting: Agree on expectations, process and result.

Planning: Get the required equipment and technical competence.

During: Film the video, edit it

Finnish: Deliver the video, communicate about the process, improvements for next time, evaluates the result.

