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Project ICAROS Report Code	DE-PJVRS-2017-03-27
Title	ICAROS LEAFLET
Start/End Date	2017/02/15 - 2017/03/27
Coordinator name and email	
Name of teachers	Alf Gutenberg Jörn Trautmann
Number and age of students	18 students with the subject "Computer science and economics" 17-21 years old.
Description of activities	Constructing an EPC (event driven process chain) of the planning and the construction process of the drone. The model has to contain the planning of the whole process, the ordering and checking of the parts, the construction and the testing of the drone. The English teacher was involved to reflect the correctness of the foreign language.
Learning outcomes	<p>The aim of the project is to implement the curricular topics of the students in the drone construction and planning process. The project showed the possibilities to implement regular topics of the curriculum in the topic of the project. The students were highly motivated because the project gave them the sense for using the epc technique. They enhanced even their language skills, because they had to present their results in English language. The results can be used to help further projects i.e. for the construction process of ICAROS II.</p> <p>The task also helped for team teaching, because the English and the computer science teacher had to cooperate, because both teachers supervised the learning process from the the viewpoint of their subjects.</p>

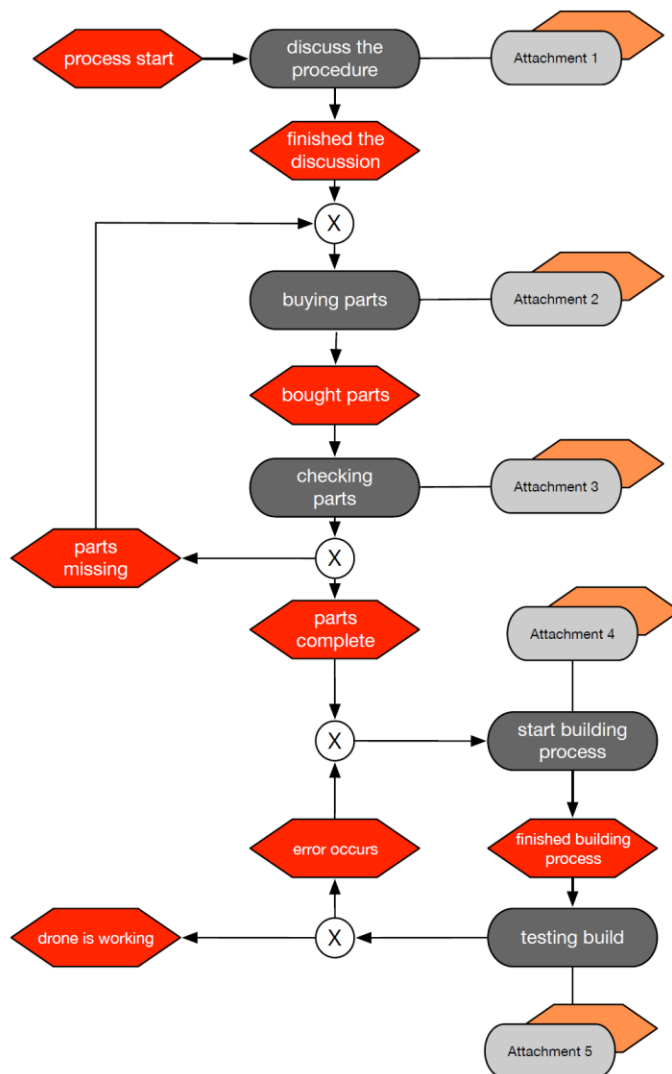
Photos or other relevant material

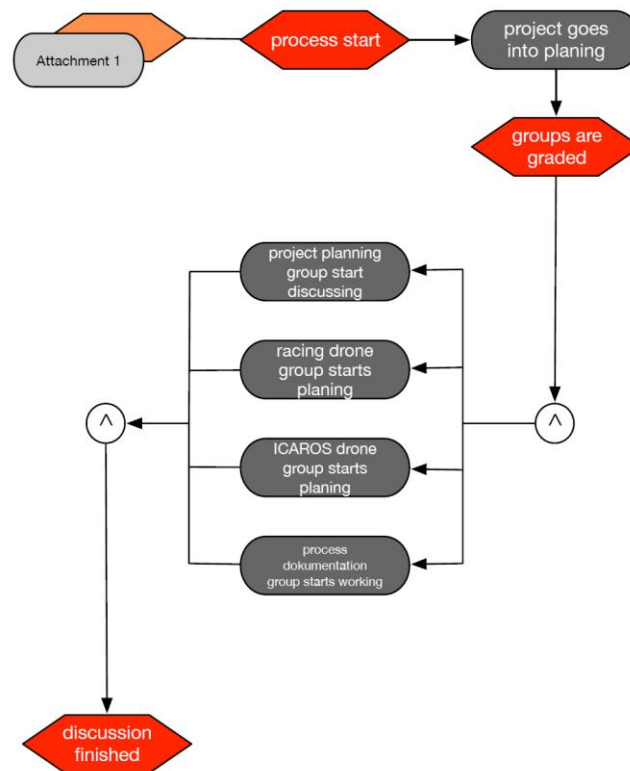
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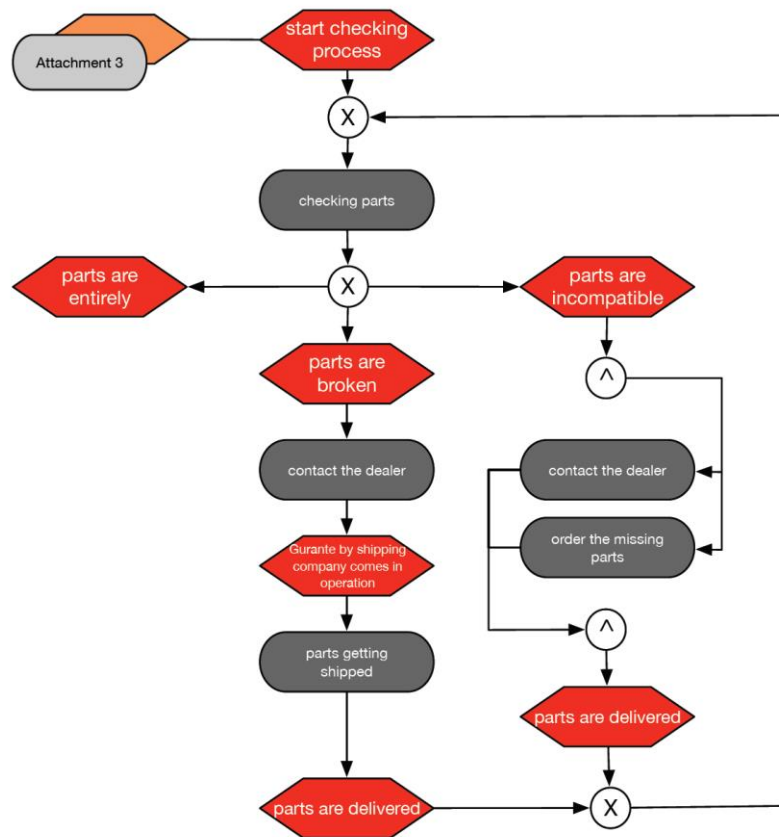
Paul-Julius-von
REUTER-SCHULE
Kassel

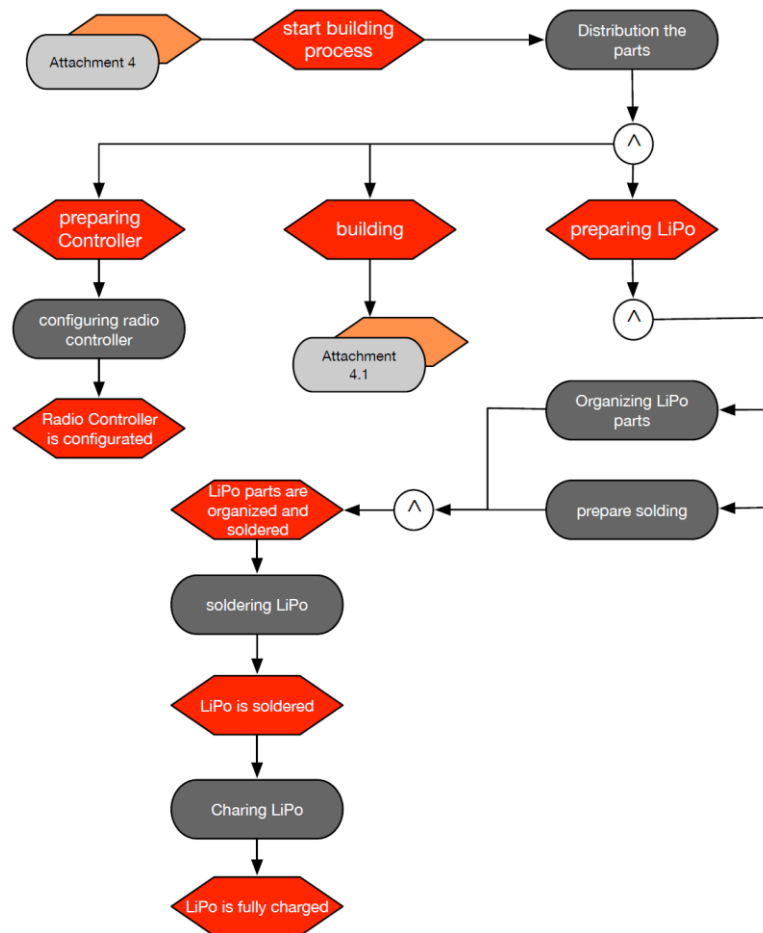
ICAROS
Project

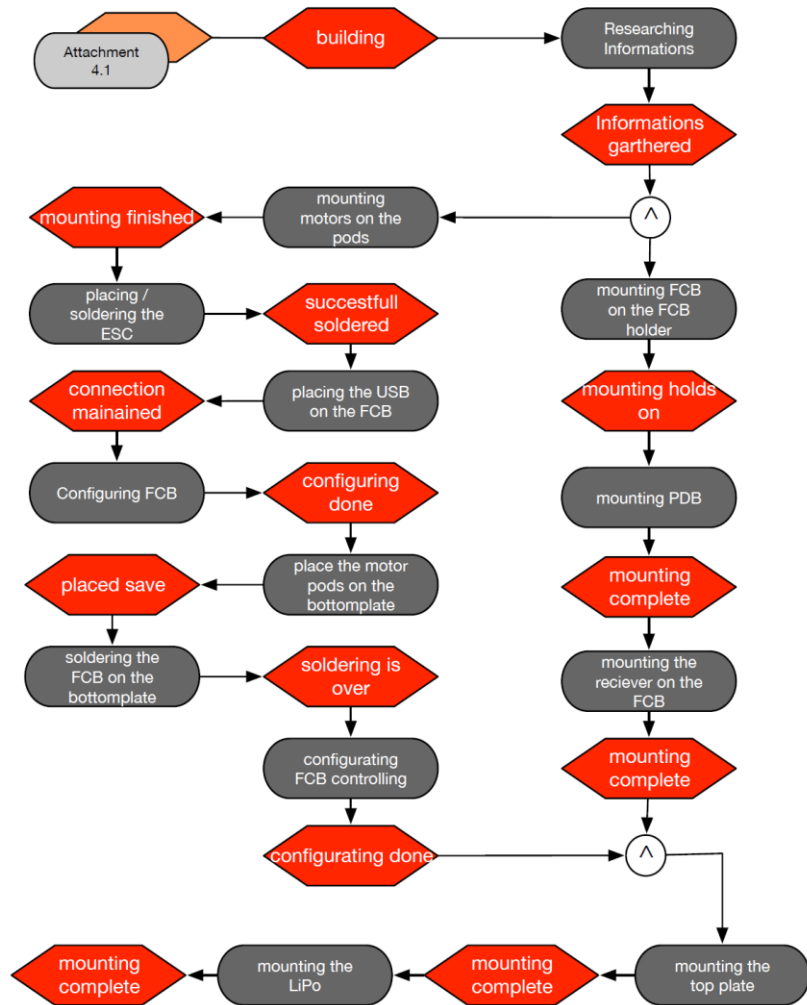


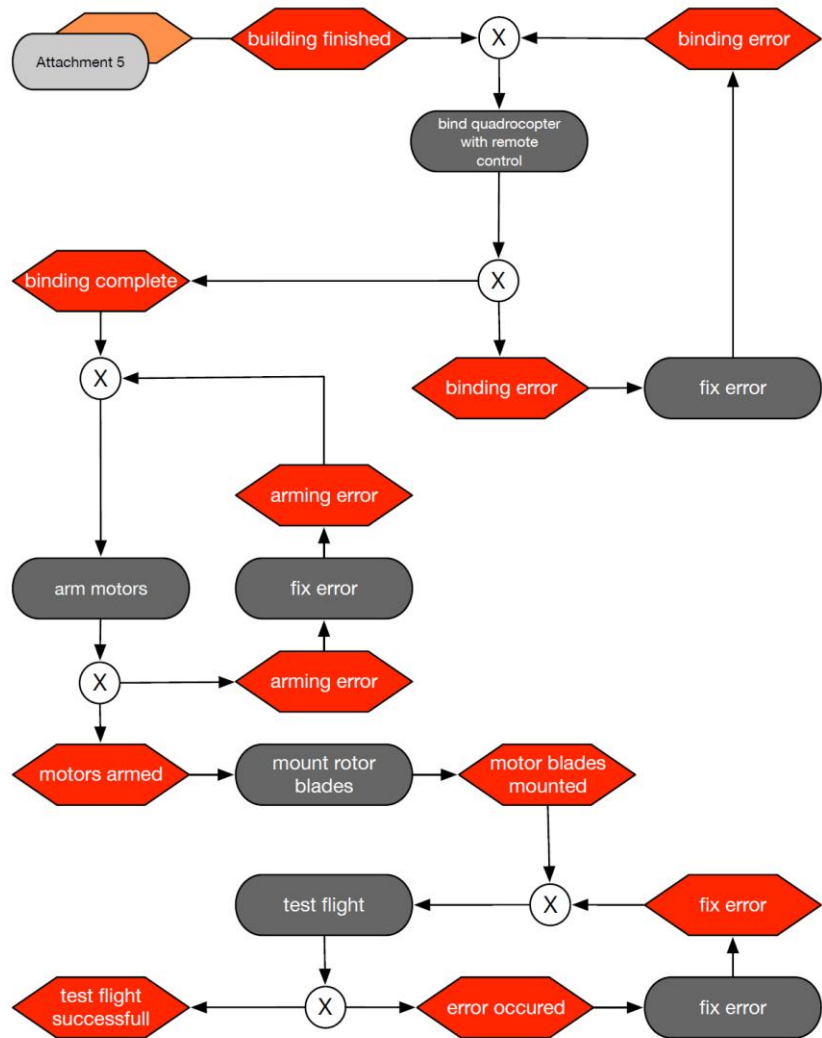














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Task:



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Your overall task is to **model the done construction process as an event driven process chain** (EPC = ePK [in german]). To model the EPC use the following steps to guide your work. Report your results of each step to Mr. Gutenberg. All steps are supposed to be in a written version. Certainly you're your results be expressed in English!

1. Describe the process of the drone construction as a text. Determine all the resources you need already in the text version. Determine also the different groups who were working in the construction process. Make clear, which kind of working steps in the construction process were parallel processes.
2. Model the process chain, by using events [german = Ereignis], functions [german = Funktion] and – if it is possible – organisation units [german = Organisationseinheit]. There must also be used resources which can contain the informational resources [german = Informationseinheit] **and** the drone parts or building tools.

For your information please use the Gantt-diagramm which is already constructed. Also please use the presentation of the ICAROS-project and your own experiences of the construction process.