The overarching aim of the project is to create a platform for a stage spotlight with the behavior expected of such a system in regards to movement characteristics.
As the mechanical platform is delivered to the project , the main challenges arise from the theoretical system, control design and software engineering required to materialize the platform.
These challenges include:

- What are the performance requirements for a spotlight?
- What ways are there to control a system of this type?
- How can the chosen control engineering approach be implemented on a microcontroller?
- How can one design a system allowing hardware control of the given platform?

In order to provide a satisfactory answer to the above questions, the design of the FPGA modules and microcontroller software alongside with the considerations revolving around control engineering will be covered in the following report. In order to provide a satisfactory answer to the above questions,

As the mechnical platform is provided for th project

In what ways can a system o this type be co trolled?

lyder en smule fordansket

How can a system allowing hardware control of the give platform be designed?

Lyder lidt knudret.