



EE4: Building a SSV

Engineering

Case SSV Deel 1

- Characteristics of the solar panel
 - Measurements
 - Calculations and making graphs
 - Error analysis
 - Discuss results
- Sankey-diagrammen opstellen
 - Case 1
 - Case 2
- Determine the max powertransmission of the DC-moto
 - Gewennen Matlab
 - 10 x simuleren
 - Berekenen
 - Resultaten vergelijken en bespreken

Simulink

- Tutorial on Simulink
- Simulation race
 - Simulation Solar panel
 - Simulation DC-motor
- Analysing results
- Discussing results

Case SSV Deel 2

- 2D technical drawing of the frame
- Testing SSV
- Adjusting the Sankey-diagrams
- Exercices on the measurement
- Study shaft
 - Situation 1
 - Perspective sketch
 - Model
 - Measurements
 - Draw transverse forces and moment diagram
 - Equivalent tension
 - Situation 2
 - Perspective sketch
 - Model
 - Measurements
 - Draw transverse forces and moment diagram
 - Equivalent Tension

Building the SSV

- Design
- Manufacturing the parts
 - Solar panel attachment
 - frame
 - Wheels
 - Suspension
 - Transmission
- Assembling
- Testing

Enterprising

- Engrave team logo
- Creating the Wikipage
- Managing expenses

Educating

- Technical rapport
 - Collect answers on questions
 - Create PDF file
- Research information
- Handle information
- Procesreport
 - Uploading to Wiki page
 - Make Logo
 - Choosing a name
 - WBS
 - Plan of approach
 - Gantt-chart
 - Keeping blog up to date
 - Write meetingreports
 - Intermediate description SSV
 - Ending description SSV
 - Final report
 - Writing report
 - Correct report
 - Adjusting report